1. Details of the various Baselines

GradCAM As mentioned in Sec. 4, we consider the last attention layer (closest to the output) - namely $\mathbf{A}^{(1)}$. This results in a feature-map of size $h \times s \times s$. Following the process described in Sec. 3.4, we take only the <code>[CLS]</code> token's row (without the <code>[CLS]</code> token's column), and reshape to the patches grid size $h_p \times w_p$. This results in a feature-map similar to the 2D feature-map used for GradCAM, where the number of channels, in this case, is h, and the height and width are h_p and w_p . The reason we use the last attention layer is because of the sparse gradients issue described in Sec. 4.

raw-attention The raw-attention method visualizes the last attention layer (closest to the output) - namely $A^{(1)}$. It follows the process described in Sec. 3.4 to extract the final output.

LRP In this method, we propagate relevance up to the input image, following the propagation rules of LRP (not our modified rules and normalizations).

partial-LRP Following [42], we visualize an intermediate relevance map, more specifically, we visualize the last attention-map's relevance, namely $R^{(n_1)}$, using LRP propagation rules.

rollout We follow Eq. 16.

2. Proofs for Lemmas

Given two tensors u and v, we compute the relevance propagation of binary operators (i.e., operators that process two operands) as follows:

$$R_j^{u^{(n)}} = \mathcal{G}(u, v, R^{(n-1)})$$

$$R_k^{v^{(n)}} = \mathcal{G}(v, u, R^{(n-1)})$$
(1)

where $R_j^{u^{(n)}}$ and $R_k^{v^{(n)}}$ are the relevances for u and v respectively.

The following lemma shows that for the case of addition, the conservation rule is preserved, i.e.,

$$\sum_{j} R_{j}^{u^{(n)}} + \sum_{k} R_{k}^{v^{(n)}} = \sum_{i} R_{i}^{(n-1)}.$$
 (2)

However, this is not the case for matrix multiplication.

Lemma 1. Given two tensors u and v, consider the relevances that are computed according to Eq. 1. Then, (i) if layer $L^{(n)}$ adds the two tensors, i.e., $L^{(n)}(u,v) = u + v$ then the conservation rule of Eq. 2 is maintained. (ii) if the layer performs matrix multiplication $L^{(n)}(u,v) = uv$, then Eq. 2 does not hold in general.

Proof. For part (i), we note that the number of elements in u equals the number of elements in v, therefore k=j, and we can write Eq. 2 following the definition of \mathcal{G} :

$$\sum_{j} \sum_{i} u_{j} \frac{\partial(u_{i} + v_{i})}{\partial u_{j}} \frac{R_{i}^{(n-1)}}{u_{i} + v_{i}} + \sum_{j} \sum_{i} v_{j} \frac{\partial(u_{i} + v_{i})}{\partial v_{j}} \frac{R_{i}^{(n-1)}}{u_{i} + v_{i}}$$

$$= \sum_{j} \frac{u_{j}}{u_{j} + v_{j}} R_{j}^{(n-1)} + \sum_{j} \frac{v_{j}}{u_{j} + v_{j}} R_{j}^{(n-1)}$$

$$= \sum_{j} \frac{u_{j} + v_{j}}{u_{j} + v_{j}} R_{j}^{(n-1)} = \sum_{j} R_{j}^{(n-1)}$$
(3)

note that, in this case, it is possible that $\sum_j R_j^{u^{(n)}} \neq \sum_j R_j^{v^{(n)}}$. As shown in the main text, while the sum of two tensors maintains the conservation rule, their values may explode. Consider $u = \begin{pmatrix} e^a \\ e^b \end{pmatrix}$, $v = \begin{pmatrix} 1 - e^a \\ 1 - e^b \end{pmatrix}$ and $R = \begin{pmatrix} 1 \\ 1 \end{pmatrix}$, following the definition of $\mathcal G$ we have:

$$R_{j}^{u^{(n)}} = \sum_{i} u_{j} \frac{\partial(u_{i} + v_{i})}{\partial u_{j}} \frac{R_{i}^{(n-1)}}{u_{i} + v_{i}} = \frac{u_{j}}{u_{j} + v_{j}} R_{j}^{(n-1)}, \quad R_{j}^{v^{(n)}} = \frac{v_{j}}{u_{j} + v_{j}} R_{j}^{(n-1)}$$

$$R^{u} = \begin{pmatrix} \frac{e^{a}}{e^{a} - e^{a} + 1} 1\\ \frac{e^{b}}{e^{b} - e^{b} + 1} 1 \end{pmatrix} = \begin{pmatrix} e^{a}\\ e^{b} \end{pmatrix}, \quad R^{v} = \begin{pmatrix} 1 - e^{a}\\ 1 - e^{b} \end{pmatrix}$$

$$(4)$$

which causes numerical instability.

For part (ii), in the case of matrix multiplication between u and v, where $u \in \mathbb{R}^{k,m}$, $v \in \mathbb{R}^{m,l}$, we will show that:

 $\sum_k \sum_m R_{k,m}^{u^{(n)}} = \sum_m \sum_l R_{m,l}^{v^{(n)}} = \sum_l \sum_k R_{k,l}^{(n-1)}$, which invalidates the conservation rule:

$$R_{k,m}^{u^{(n)}} = \sum_{l} u_{k,m} \frac{\partial (uv)_{k,l}}{\partial u_{k,m}} \frac{R_{k,l}^{(n-1)}}{\sum_{m'} u_{k,m'} v_{m'l}} = \sum_{l} \frac{u_{k,m} v_{m,l}}{\sum_{m'} u_{k,m'} v_{m'l}} R_{k,l}^{(n-1)}$$
(5)

$$R_{m,l}^{v^{(n)}} = \sum_{k} v_{m,l} \frac{\partial (uv)_{k,l}}{\partial v_{m,l}} \frac{R_{k,l}^{(n-1)}}{\sum_{m'} u_{k,m'} v_{m'l}} = \sum_{k} \frac{u_{k,m} v_{m,l}}{\sum_{m'} u_{k,m'} v_{m'l}} R_{k,l}^{(n-1)}$$
(6)

$$\sum_{k} \sum_{m} R_{k,m}^{u^{(n)}} + \sum_{m} \sum_{l} R_{m,l}^{v^{(n)}} = \sum_{k} \sum_{m} \sum_{l} \frac{u_{k,m} v_{m,l}}{\sum_{m'} u_{k,m'} v_{m'l}} R_{k,l}^{(n-1)} + \sum_{m} \sum_{l} \sum_{k} \frac{u_{k,m} v_{m,l}}{\sum_{m'} u_{k,m'} v_{m'l}} R_{k,l}^{(n-1)}
= \sum_{k} \sum_{l} \frac{\sum_{m} u_{k,m} v_{m,l}}{\sum_{m'} u_{k,m'} v_{m'l}} R_{k,l}^{(n-1)} + \sum_{l} \sum_{k} \frac{\sum_{m} u_{k,m} v_{m,l}}{\sum_{m'} u_{k,m'} v_{m'l}} R_{k,l}^{(n-1)}$$
(7)

$$=2\sum_{l}\sum_{k}R_{k,l}^{(n-1)}$$
(8)

To address the lack of conservation in the attention mechanism, which employs multiplication, and the numerical issues of the skip connections, our method applies a normalization to $R_j^{u^{(n)}}$ and $R_k^{v^{(n)}}$:

$$\bar{R}_{j}^{u^{(n)}} = R_{j}^{u^{(n)}} \frac{\left| \sum_{j} R_{j}^{u^{(n)}} \right|}{\left| \sum_{j} R_{j}^{u^{(n)}} \right| + \left| \sum_{k} R_{k}^{v^{(n)}} \right|} \cdot \frac{\sum_{i} R_{i}^{(n-1)}}{\sum_{j} R_{j}^{u^{(n)}}}
\bar{R}_{k}^{v^{(n)}} = R_{k}^{v^{(n)}} \frac{\left| \sum_{k} R_{k}^{v^{(n)}} \right|}{\left| \sum_{j} R_{j}^{u^{(n)}} \right| + \left| \sum_{k} R_{k}^{v^{(n)}} \right|} \cdot \frac{\sum_{i} R_{i}^{(n-1)}}{\sum_{k} R_{k}^{v^{(n)}}}$$
(9)

Lemma 2. The normalization technique upholds the following properties: (i) it maintains the conservation rule, i.e.: $\sum_j \bar{R}_j^{u^{(n)}} + \sum_k \bar{R}_k^{v^{(n)}} = \sum_i R_i^{(n-1)}$, (ii) it bounds the relevance sum of each tensor such that:

$$0 \le \sum_{j} \bar{R}_{j}^{u^{(n)}}, \sum_{k} \bar{R}_{k}^{v^{(n)}} \le \sum_{i} R_{i}^{(n-1)} \tag{10}$$

Proof. For part (i), it holds that:

$$\sum_{i} \bar{R}_{j}^{u^{(n)}} + \sum_{k} \bar{R}_{k}^{v^{(n)}} \tag{11}$$

$$= \sum_{j} R_{j}^{u^{(n)}} \frac{\left| \sum_{j} R_{j}^{u^{(n)}} \right|}{\left| \sum_{j} R_{j}^{u^{(n)}} \right| + \left| \sum_{k} R_{k}^{v^{(n)}} \right|} \cdot \frac{\sum_{i} R_{i}^{(n-1)}}{\sum_{j} R_{j}^{u^{(n)}}}$$

$$+\sum_{k} R_{k}^{v^{(n)}} \frac{\left|\sum_{k} R_{k}^{v^{(n)}}\right|}{\left|\sum_{j} R_{j}^{u^{(n)}}\right| + \left|\sum_{k} R_{k}^{v^{(n)}}\right|} \cdot \frac{\sum_{i} R_{i}^{(n-1)}}{\sum_{k} R_{k}^{v^{(n)}}}$$
(12)

$$= \frac{\left|\sum_{j} R_{j}^{u^{(n)}}\right|}{\left|\sum_{j} R_{j}^{u^{(n)}}\right| + \left|\sum_{k} R_{k}^{v^{(n)}}\right|} \cdot \sum_{i} R_{i}^{(n-1)} + \frac{\left|\sum_{k} R_{k}^{v^{(n)}}\right|}{\left|\sum_{j} R_{j}^{u^{(n)}}\right| + \left|\sum_{k} R_{k}^{v^{(n)}}\right|} \cdot \sum_{i} R_{i}^{(n-1)}$$
(13)

$$= \frac{\left|\sum_{j} R_{j}^{u^{(n)}}\right| + \left|\sum_{k} R_{k}^{v^{(n)}}\right|}{\left|\sum_{j} R_{j}^{u^{(n)}}\right| + \left|\sum_{k} R_{k}^{v^{(n)}}\right|} \cdot \sum_{i} R_{i}^{(n-1)} = \sum_{i} R_{i}^{(n-1)}$$
(14)

For part (ii) it is trivial to see that we weigh each tensor according to its relative absolute-value contribution:

$$\sum_{j} \bar{R}_{j}^{u^{(n)}} = \sum_{j} R_{j}^{u^{(n)}} \frac{\left| \sum_{j} R_{j}^{u^{(n)}} \right|}{\left| \sum_{j} R_{j}^{u^{(n)}} \right| + \left| \sum_{k} R_{k}^{v^{(n)}} \right|} \cdot \frac{\sum_{i} R_{i}^{(n-1)}}{\sum_{j} R_{j}^{u^{(n)}}}$$
(15)

$$= \frac{\left|\sum_{j} R_{j}^{u^{(n)}}\right|}{\left|\sum_{j} R_{j}^{u^{(n)}}\right| + \left|\sum_{k} R_{k}^{v^{(n)}}\right|} \cdot \sum_{i} R_{i}^{(n-1)}$$
(16)

we see that:

$$0 \le \frac{\left| \sum_{j} R_{j}^{u^{(n)}} \right|}{\left| \sum_{j} R_{j}^{u^{(n)}} \right| + \left| \sum_{k} R_{k}^{v^{(n)}} \right|} \le 1 \tag{17}$$

therefore:

$$0 \le \sum_{j} \bar{R}_{j}^{u^{(n)}}, \sum_{k} \bar{R}_{k}^{v^{(n)}} \le \sum_{i} R_{i}^{(n-1)}$$
(18)

3. Visualizations - Multiple-class Images

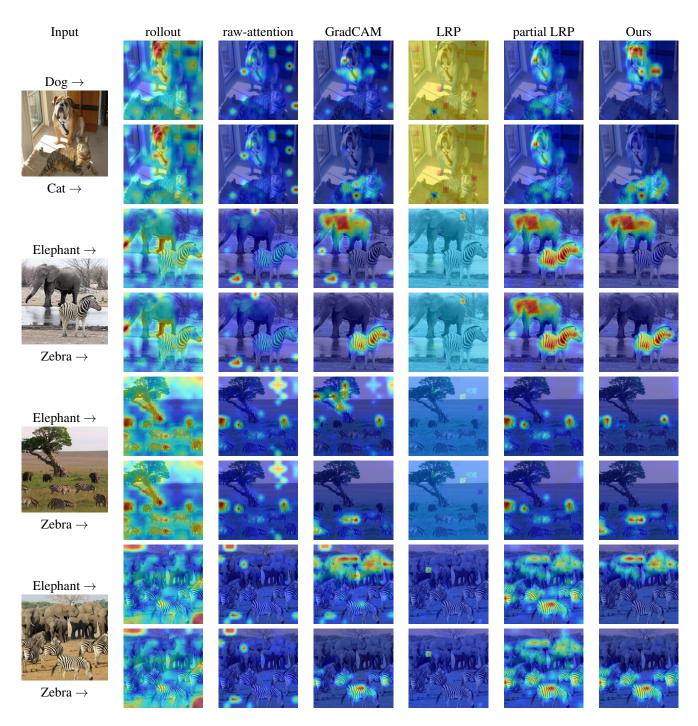


Figure 1: Multiple-class visualization. For each input image, we visualize two different classes. As can be seen, only our method and GradCAM produce class-specific visualisations, where our method has fewer artifacts, and captures the objects more completely.

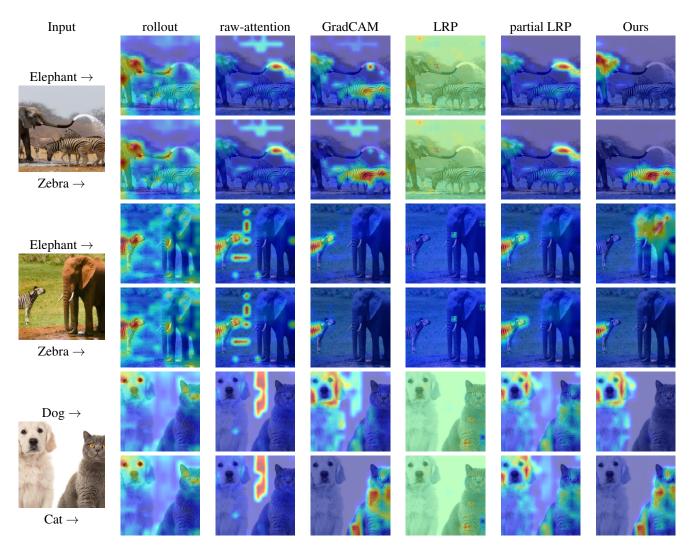


Figure 2: Multiple-class visualization. For each input image, we visualize two different classes. As can be seen, only our method and GradCAM produce class-specific visualisations, where our method has fewer artifacts, and captures the objects more completely.

4. Visualizations - Single-class Images

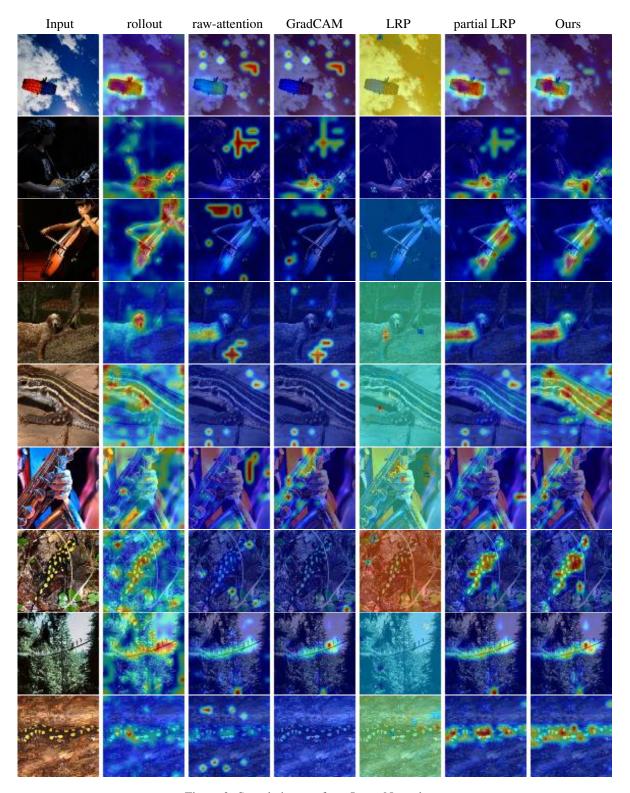


Figure 3: Sample images from ImageNet val-set.

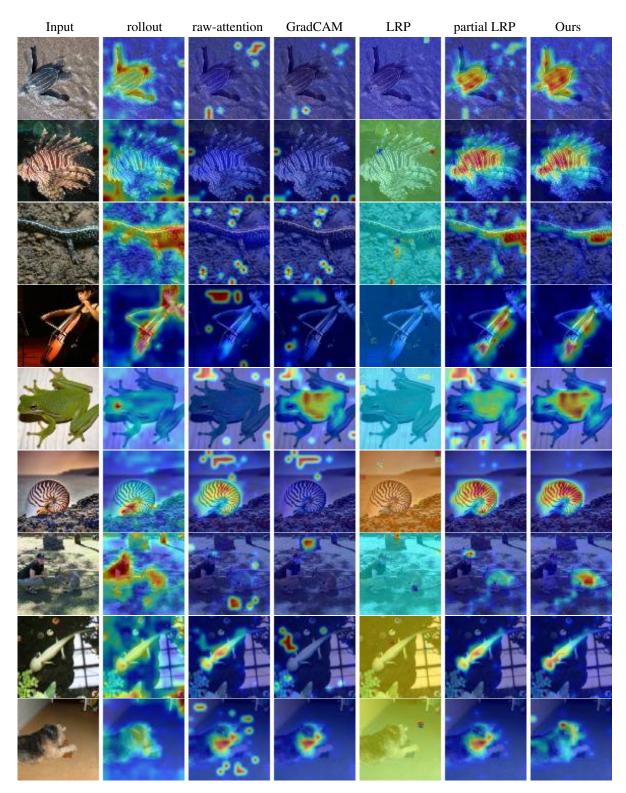


Figure 4: Sample images from ImageNet val-set.

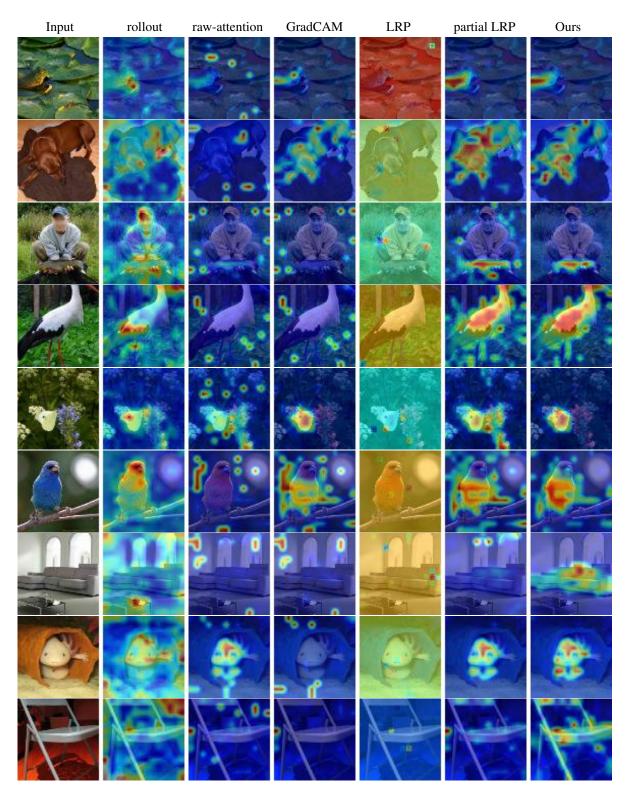


Figure 5: Sample images from ImageNet val-set.

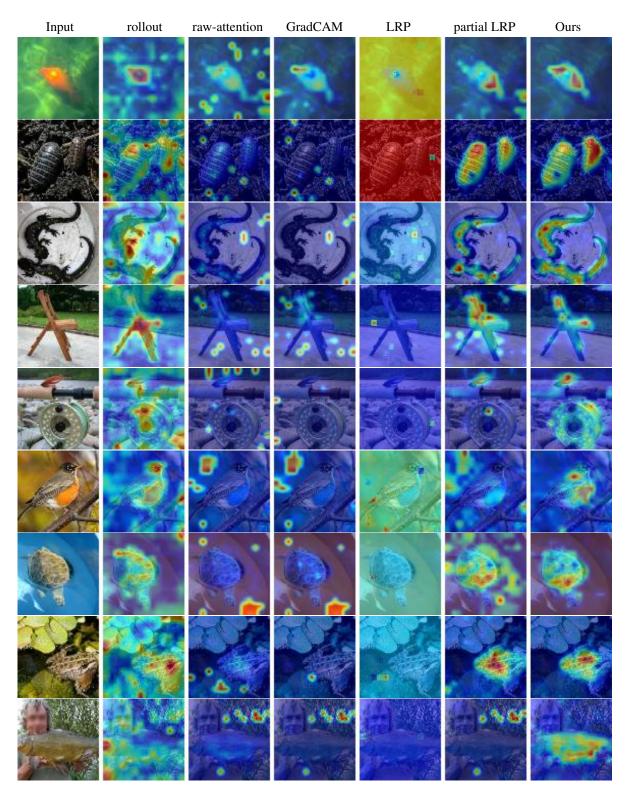


Figure 6: Sample images from ImageNet val-set.

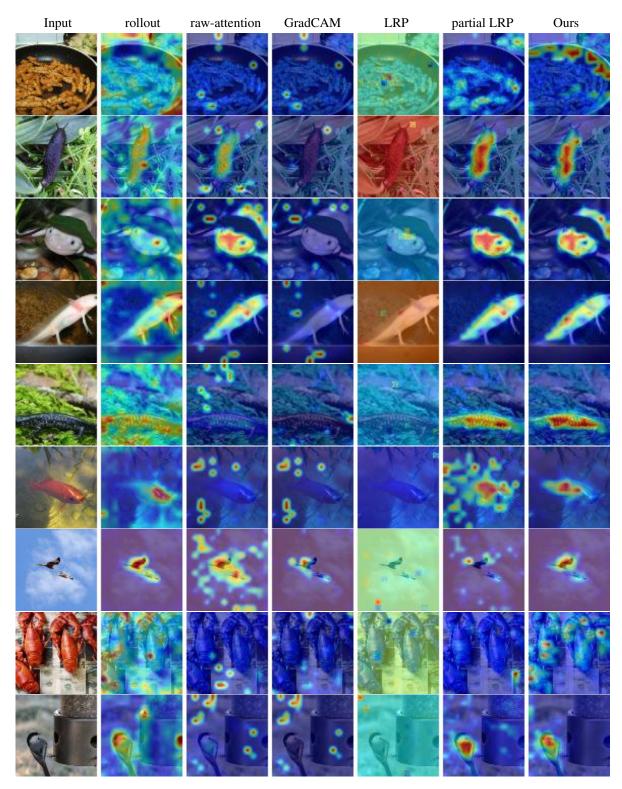


Figure 7: Sample images from ImageNet val-set.

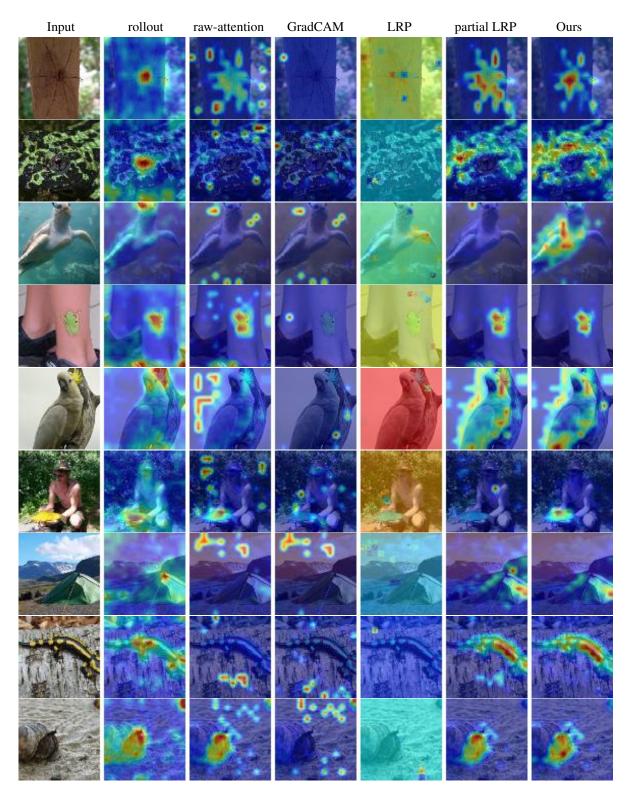


Figure 8: Sample images from ImageNet val-set.

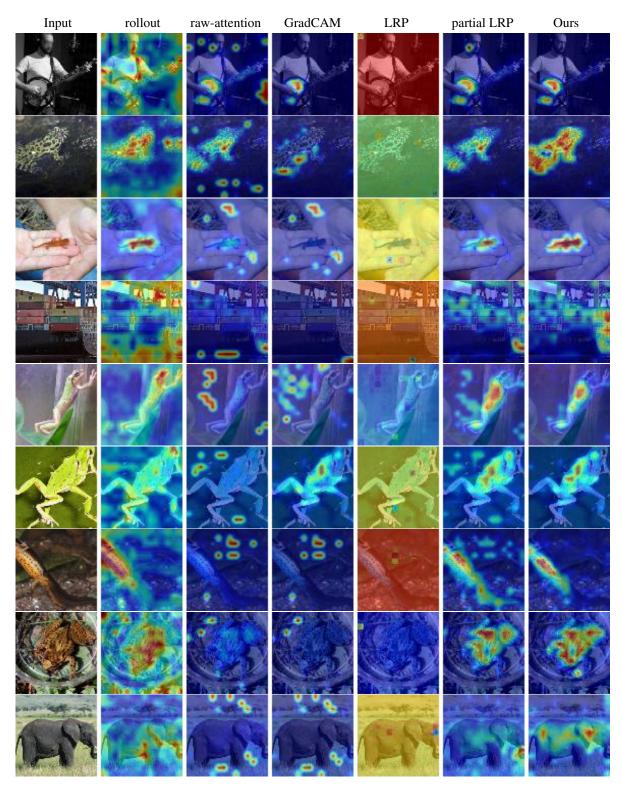


Figure 9: Sample images from ImageNet val-set.

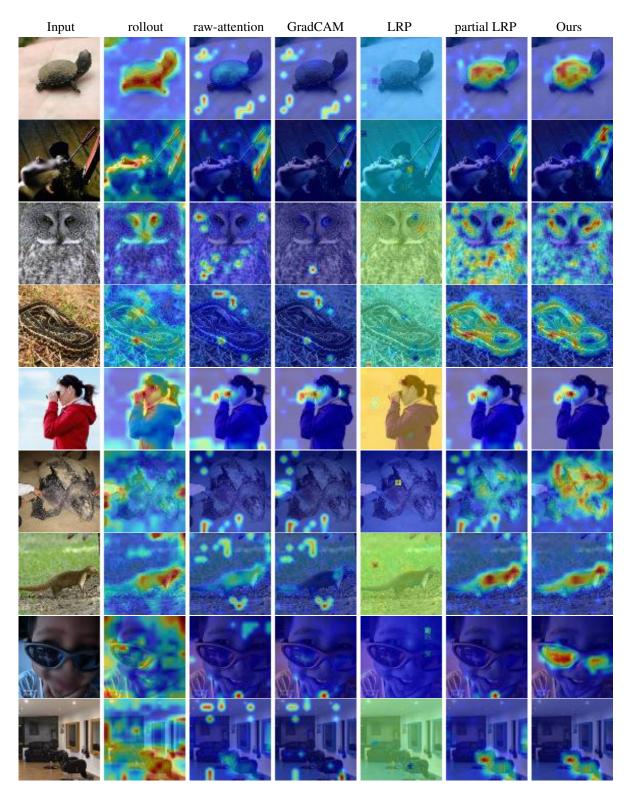


Figure 10: Sample images from ImageNet val-set.

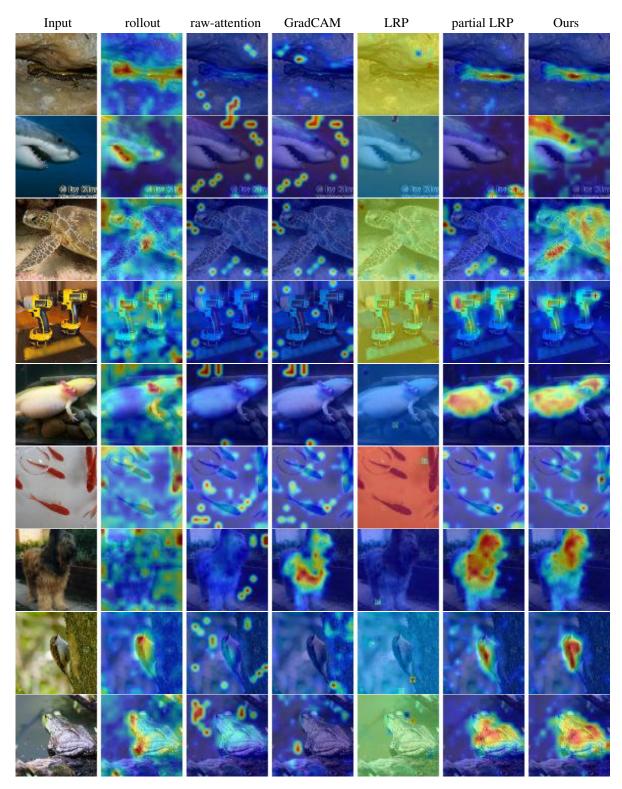


Figure 11: Sample images from ImageNet val-set.

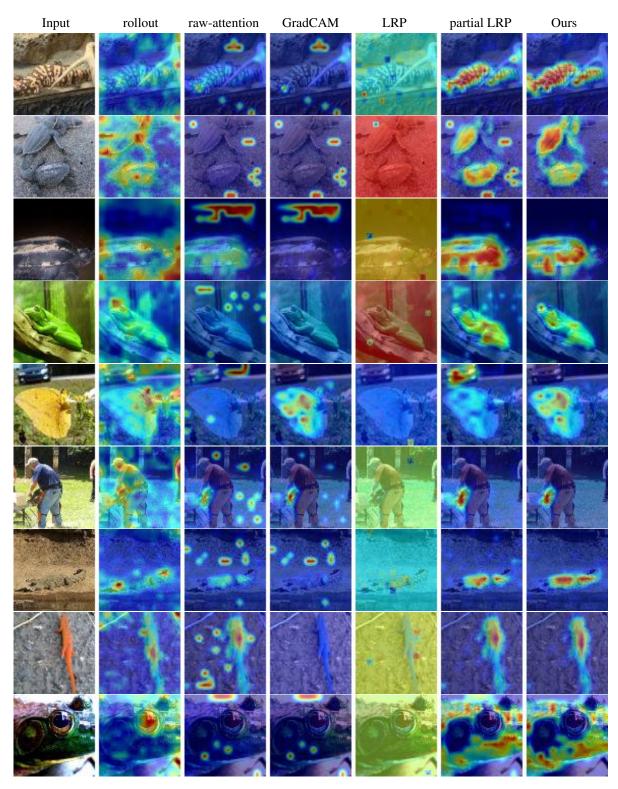


Figure 12: Sample images from ImageNet val-set.

5. Visualizations - Text

In the following visualizations, we use the TAHV heatmap generator for text (https://github.com/jiesutd/ Text-Attention-Heatmap-Visualization) to present the relevancy scores for each method, as well as the excerpts marked by humans. For methods that are class-dependent, we present the attributions obtained both for the ground truth class and the counter-factual class.

Evidently, our method is the only one that is able to present support for both sides, see panels (b,c) of each image. GradCAM often suffers from highlighting the evidence in the opposite direction (sign reversal), e.g., Fig. 13(g), in which the counter-factual explanation of GradCAM supports the negative, ground truth, sentiment and not the positive one.

Partial LRP (panels d,e) is not class-specific in practice. This provides it with an advantage in the quantitative experiments: Partial LRP highlights words with both positive and negative connotations from the same sentence, which better matches the behavior of the human annotators who are asked to mark complete sentences.

Notice that in most visualizations, it seems that the rollout method focuses mostly on the separation token [SEP], and fails to generate meaningful visualizations. This corresponds to the results presented in the quantitative experiments.

It seems from our results, e.g., Fig. 13(b,c) that the BERT tokenizer leads to unintuitive results. For example, "joyless" is broken down into "joy" and "less", each supporting different sides of the decision.

here may not be a critic alive who harbors as much affection for shlock monster movies is ide o, i delighted in the smeaky - smart entertainment of ron underwood 's big - in a smeak of the share of th ons, something where the gunfire and special effects are taken a bit too rising is missing that one unmistakable one that we re expected to have ad time i not hide our eyes. case it point, comparing deep rising to its

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[CLS] there may not be a critic alive who harbors as much affection for shlock monster movies as i do.; i delighted in the sneaky -smart entertainment of ron underwood's big underground. worm yant rhemors; i even giggled at last year's critically -swaged big underwater -snake yarn anaconda, something about these films causes me to lower my inhibitions and return to the saturday afternoons of my youth, spent in the company of ghidrah, the creature from the black lagoon and the blob. deep rising, a big - undersearch of the blob is a company of ghidrah, the creature from the black lagoon and the blob. deep rising, a big - undersearch of the blob is the state of the blob is separated by the state of the state of the blob is separated by the state of the state of the blob is separated by the state of the

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Figure 13: A visualization of the results. For methods that rely on a specific class for propagation, we present both the ground-truth and counter-factual results. The rollout method, as well as the raw attention methods, are class-agnostic. Some words are split into multiple tokens by the BERT tokenizer. (a) Ground truth (negative sentiment). Note that the BERT prediction on this sample was accurate. (b) Our method for the ground truth [GT] class. (c) Our method for the counter-factual [CF] class. (d) Partial LRP for the GT class. (e) Partial LRP for the CF class. (f) GradCAM for the GT class. (g) GradCAM for the CF class. (h) LRP for the GT class. (i) LRP for the CF class. (j) raw-attention. (k) rollout.

renee zellweger stars as sonia , a young jewish wife and mother frustrated by the constraints of her hasdic community in brooklyn . her husband (glenn fitzgerald) is a religious scholar whose all - in - a - day's - work attitude on sex fails to tame the "fire" she feels within , as so she confesses to the rebbe (after hearing her fiery confession , the rebbe suddenly gets frisky with his pleasantly surprised wife – and dies the next morning) . sensing her frustration, her husband 's brother (christopher eccleston) gives morning). sensing her frustration, her husband's brother (christopher eccleston) gives her a job in his jevely probering business in exchange for raw, possionless sex that just fans sonia 's still - burning flame . on the job , sonia befriends ramon (allen payne) a cool blast of hunky puerto ricen water who does his own jeverly designs when not working as a grunt in an upscale jevelry store . can fire - taming be far be that far behind for the ever - smoddering sonia "just about everything in writer - director booz yakin's 'sung false . starting with the improbable cast zellveger . But food in sleepard ground in the starting with the improbable cast zellveger . But food in sleepard ground in the sun in the starting with the improbable cast zellveger . But food in sleepard ground in the sun in the starting with the improbable cast zellveger . But food in sleepard ground in the sun in the su

[CLS] rence zellweger stars as sonia , a young jewish wife and mother frustrated by the constraints of her hasidic community in brooklyn . her husband (glenn fitzgerald) is a religious scholar whose all : in - a - day 's - work attitude on sex fails to tame the "fire" "she feels within , as so she confesses to the rebbe (after hearing her fiery confession religious scholar whose all - in - a - day 's - work attitude on sex fails to tame the " fire" she feels within, as so she confesses to the robbe (after hearing her fiery confession, the robbe suddenly gets frisky with his pleasantly surprised wife - and due the next morning). sensing her first ration, her husband 's brother (christopher eccleston) gives her a job in his jewelry brokering business in exchange for raw, passionless sex that just faras sonia's still - burning fame. on the job, sonia befriends ramon (allen payers working as agrunt in an upscale jewelry store, can fire - taming be far be that far behind for the ever - smodering sonia' plans dout everything in writer - director boaz yakin 's rings false, starting with the improbably cast zellweger, who does an adequate enough acting job but simply looks to owapy for the role a better fit would have been juliama margulies, who outshines zellweger as sonia's take - no - crap sister - in - law. some osonia's bady steps toward liberation, such as indulging in a non - kosher egg roll in chinatown, some off as sillig' yakin attempts to spice up the proceedings with a touch of majed are lained. — in the form of the recurring presence of sonia's a long - dead brother 's ghost - - make to the proceedings with a touch of what to expect. it 's like something you chase for so long, but then you don't know how to react when you get it. i still don't know how to react. " - - méchael jordan , on winning his first thas champlonship in 1991 . . . or , my thoughts after meeting him on november 21 , 1997 [SEP]

(a)

[CLS] renee zellweger stars as sonia, a young jewish wife and mother frustrated by the constraints of her hasidic community in brooklyn. her husband (glenn fitzgerald) is a religious scholar whose all · in - a day's - work attitude on sex fails to tame the "fire" "she feels within, as so she confesses to the rebbe (after hearing her fiery confession , the rebbe suddenly gets frisky with his pleasantly surprised wife - and dies the next morning) : sensing her frustration, her husband 's brother (christopher eccleston) norming). sensing her first ration, her husband, "is brother (christopher occlesion) gives her a job in his jeweily broilering business in exchange for raw, passionless sex that just fains sonia is still - burning flame. on the job, sonia betriender amon (allen payne), a cool blast of hunky puerto rican water who does his own jeweily designs when not for the over - smoldering sonis? [Just about everything in striter - director boar yakin' is rings false, starting with the improbably cast zellweger, who does an adequate enough acting job but simply looks to waapy for the role. a better fit would have been julianua margulies, who outshines zellweger as sonia's take - no -crap sister - in -law, some of sonia's shay steps toward liberation, such as indulging in a non-kosher egg roll in chinatown, come off as silley yakin attempts to spice up the proceedings with a touch of magical realism - - in the form of the recurring presence of sonia's shay is long. -dead brother 's ghost - - make to great of the recurring presence of sonia's law is one. I so the control what to expect. If s like something you chase for so long, but then you don't know how to react when you get it, i still don't know how to react.", - - michael jordan, on winning his first thas championship in 1991. . . or , my thoughts after meeting him on november 21, 1997 [SEP] (b)

(CLS] renee zellweger stars as sonia , a young jewish wife and mother frustrated by the constraints of her hasidic community in brooklyn . her husband (jean fitzgerald) is a religious scholar whose all : in - a day 's - work attitude on sex fails to tame the "fire" she feels within , as so she confesses to the rebbe (after hearing her flery confession , the rebbe suddenly gets frisky with his pleasantly surprised wife - - and dies the next morning) . sensing her frustration , her husband 's brother (christopher eccleston) gives her a job in his jewely brothering business in exchange for raw, passionless sex that just fans sonia 's still- burning flame . on the job , sonia befriends ramon (allen payne), a cool blast of hunky puerto rions water who does his way jewely designs when not working as agrunt in an upscale jewelry store. can five - taming be far be that far behind for the ever - smoldering sonis 'just about everything in switer - director boxe yakin' 's rings false', starting with the improbably cest relivency - who does an adequate enough margalies, who outsthines calleger as sonis' 's take - no - crup sister - in - low 's some of sonia''s lably steps toward liberation, such as indulging in a non-kesher egg roll in chinatown, come off as sellicy skind attempts to spice up the proceedings with a touch of margial realism - - in the form of the recurring presence of sonia' 's long - dead brother 's sphost - mask's story feel even more time than it already 's '. - michael jordan , on winning his first nha championship in 1991 . . . or , my thoughts after meeting him on november 21 , 1997 [SEP]

(c)

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(i)

Figure 14: A visualization of the results. For methods that rely on a specific class for propagation, we present both the ground-truth and counter-factual results. The rollout method, as well as the raw attention methods, are class-agnostic. Some words are split into multiple tokens by the BERT tokenizer. (a) Ground truth (negative sentiment). Note that the BERT prediction on this sample was accurate. (b) Our method for the ground truth [GT] class. (c) Our method for the counter-factual [CF] class. (d) Partial LRP for the GT class. (e) Partial LRP for the CF class. (f) GradCAM for the GT class. (g) GradCAM for the CF class. (h) LRP for the GT class. (i) LRP for the CF class. (j) raw-attention. (k) rollout.

(CLS) there 're so many things to criticize about i do n 't know where to start recommendation : turn off your brain · do n 't the like me , decreasing the rating everyday because i think about it too much . a come it sabout to strike earth . causing a central property of the company of the

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[CLS] there 're so many things to criticize about i do n the know where to start recommendation: turn off your brain - do n the like me , decreasing the rating everyday because i think about it too much .a comet is about to strike earth, causing a catastrophe similar to the extinction level event (e. l. e.) that where do ut the dinesaurs where the strike of the st director continued her set un in terms of good - film - making credentials | she 's still making good money though : I 'a leond 's unfortunate character the news reporter | is the foundation of the story and of the cast | but | in | in | from | for many characters that do not need to be explored | robert duvall | s aging astronant | | incloses, | and morgan | foreman 's president | setstricted to , well a rightoous president (which means he 's not interesting at all) | leoni 's character | the only appealing one , and | g layed with reasonable conviction (but a rather peculiar showing when reporting for mushe) - but was definitely undervalued by the director and screenwriters , warning : spollers included (but a lot of it is relevant and predictable anyway | plot holes; plot holes | plot holes | now | e . l . e . is threatening to exterminate more than 99 % of the human race | SEP|

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Figure 15: A visualization of the results. For methods that rely on a specific class for propagation, we present both the ground-truth and counter-factual results. The rollout method, as well as the raw attention methods, are class-agnostic. Some words are split into multiple tokens by the BERT tokenizer. (a) Ground truth (negative sentiment). Note that the BERT prediction on this sample was accurate. (b) Our method for the ground truth [GT] class. (c) Our method for the counter-factual [CF] class. (d) Partial LRP for the GT class. (e) Partial LRP for the CF class. (f) GradCAM for the GT class. (g) GradCAM for the CF class. (h) LRP for the GT class. (i) LRP for the CF class. (j) raw-attention. (k) rollout.

[CLS] do n 't let this movie fool you into believing the romantic noirs of william shakespeare. no one will truly understand the heart and soul of this man except through his work, and this movie makes a vain attempt at that. any moves to ? glamories his life, which hollywood has an amonging tendency to do, will only subtract from his achievement rather than expound on his greatness. The movie about his life, although well written, pines comment make - up on a man whose life was probably more pork and potatoes, rather than lobster and champagne. oh well, let 's fantasise onwards and assume that he was a bit of a flittatious play. "write, who falls low with a beautiful woman (gwyneth paltrow) and from her inspiration, several plays develop. ? romeo and juliet ', and ? the twelfth hight'. it is easier for me to believe that he had a wet dream and that 's show all his plays develop, but please spane me all of this immecssary melodrama. but it guess my version probably wouldn't it draw a crowd or make a dollar on screen. so is there any justification in romanticising the man shalespear. when all we need to do is read his work in order to find his soul. I think not. as for the occars were they descreted by this movie ?! think not. in many aspects? private ryan' and ? life is beautiful "were far superior movies, but one should never assume that this should be a criteria for winning an oscar, as time and again, for reasons unexplained, at undescring movie will wint he accolade: another sore point is the fact that guyneth was the state of the proposed about your grandfather dying and your nephew being hospitalised - people will start feeling sorry for you. [SEP]

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(CLS) do n't let this movie fool you into believing the romantic noirs of william shakespeare. no one will truly understand the heart and soul of this man except through his work, and this movie makes a vain attempt at that. any moves to? glamories his life, which hollywood has an amonging tendency to do, and only subtract from his achievement rather than expound on his greatness. one movie about his life, although well written, page 500 much make - up on a man whose life was probably more pork and potatoes, rather than lobster and champagne. oh well, let 's fantasise onwards an assume that he was a bit of a fliratious play - write, who falls in love with a beautiful woman (gwyneth paltrow) and from her inspiration, several plays develop -? romed nightet', and? 'the twelfth hight'. it is easier for me to believe that he had a wet dream and that 's how all his plays develop, but please spare me all of this immecessary medodrama. but it guess my version probably wouldn't it draw a crowd or make a dollar on screen. so is there any justification in romanticising the man shakespeare, when all we need to do is read his work in order to find his soul. it fink not. as for the oscars were they deserved by this movie ?! think not. in many aspects? private ryan' and ? life is beautiful' were far superior movies. but one should never assume that this should be a criteria for winning an oscar, as time and again, for reasons unexplained, all undeserving movie will with the accolade: another sore poune is the fact that gywneth won the best female lead, over a more polished cate, but i guess if you go on enough about your grandfalter drying and your nephew being hospitalised - people will start feeling sorry for you. [SEP]

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(CLS] do n 't let this movie fool you into believing the romantic noirs of william shaksspeare. no one will truly understand the heart and soul of this man except through his work, and this movie makes a wain attempt at that. any moves to ? glamories his life, which hollywood has an amonging tendency to do, will only subtract from his achievement rather than expound on his greatness. The movie about his life is although well written, plume on much make - up on a man whose life was probably more pork and potatoes, rather than lobster and champagne. oh well, let 's fantasies onwards an assume that he was a bit of a flitatious play. "write, who falls in low with a beautiful woman (gwyneth paltrow) and from her inspiration, several plays develop. ? rome and juliet ', and ? the twelfth hight'. it is easier for me to believe that he had a wet dream and that 's show all his plays develop, but please spane me ill of this immecssary melodrama. but it guess my version probably wouldn't it draw a crowd or make a dollar on screen. so is there any justification in romanticising the man shakespeare, when all we need to do is read his work in order to find his soul. I think ort. as for the occars were they descrede by this movie ?! think not. in many aspects? private ryan' and ? life is beautiful "were far superior movies; but one should never assume that this should be a criteria for winning an occar, as time and again, for reasons unexplained, if undescruing movie will wint he accolade: another sore poun is the fact that gwyneth won the best female lead, over a more polished cate, but I guess if you go on enough about your grandfather dying and your nephew being hospitalised - people will start feeling sorry for you. [SEP]

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(CLS) do n | t let this movie fool you into believing the romantic noirs of william shakespeare. no one will truly understand the heart and soul of this man except through his work, and this movie makes | wain attempt at that . any moves to? glamories his life, which hollywood has an amonging tendency to do, will only subtract from its achievement rather than expound on his greatness | movie about his life, although well written, just so much make - up on a man whose life was probably more pork and potatoes, rather than lobster and champagne; do well, let 's fantasise onwards an assume that he was a bit of a flittatious play - write, who falls in low with a beautiful woman (gwyneth paltrow) and from her inspiration, several plays develop. ? Tomod njuliet ', and ? the twelfth night' ; it is easier for me to believe that he had a wet dream and that 's how all his plays develop, but please spare me ill of this immercessary medicirami. but it guess my version probably would n' it draw a crowd or make a dollar on screen ; so is there amy justification in romanticising the man shakespeare, when all we need to do is read his work in order to find his soul . I think not . as for the oscars were they descreed by this movie ? I think not . in many aspects? private ryan' and ? life is beautiful 'were far superior movies ; but one should never assume that this should be a criteria for winning an oscar', as time and again, for reasons unexplained, an undescring movie will with the secolade: amount of surface and the secolade is amount of the secolade is moving to the secolade is moving to the fact that gwyneth work he best format grown of the proposal control of the secolade is moving to grandfather dying and your nephew being hospitalised - people will start feeling sorry for you. [SEP]

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[CLS] do n $^{\circ}$ t let this movie fool you into believing the romantic noirs of william shakespeare: no one will truly understand the heart and soul of this man except through his work , and this movie makes a vain attempt at that . any moves to ? glamories $^{\circ}$ his life , which hollywood has an annoying tendency to do , will only subtract from his his life, which hollywood has an amorging tendency to do, will only subtract from his achievement rather than expound on his greatness. this morie about his life, although well written, puts too much make - up on a man whose life was probably more pork and potatoes, rather than lobster and champagne. o have life, let 's fantasise ouwards an assume that he was a bit of a flintations play - write, who falls in low with a beautiful wound and juliet,' and' the wealth night will be suffered by the section of the well-hand play (i)

Figure 16: A visualization of the results. For methods that rely on a specific class for propagation, we present both the ground-truth and counter-factual results. The rollout method, as well as the raw attention methods, are class-agnostic. Some words are split into multiple tokens by the BERT tokenizer. (a) Ground truth (negative sentiment). Note that the BERT prediction on this sample was accurate. (b) Our method for the ground truth [GT] class. (c) Our method for the counter-factual [CF] class. (d) Partial LRP for the GT class. (e) Partial LRP for the CF class. (f) GradCAM for the GT class. (g) GradCAM for the CF class. (h) LRP for the GT class. (i) LRP for the CF class. (j) raw-attention. (k) rollout.



Figure 17: A visualization of the results. For methods that rely on a specific class for propagation, we present both the ground-truth and counter-factual results. The rollout method, as well as the raw attention methods, are class-agnostic. Some words are split into multiple tokens by the BERT tokenizer. (a) Ground truth (negative sentiment). Note that the BERT prediction on this sample was accurate. (b) Our method for the ground truth [GT] class. (c) Our method for the counter-factual [CF] class. (d) Partial LRP for the GT class. (e) Partial LRP for the CF class. (f) GradCAM for the GT class. (g) GradCAM for the CF class. (h) LRP for the GT class. (i) LRP for the CF class. (j) raw-attention.

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(j)

my inner flag was at half - mast last year when nick at nite pulled "dragnet" reruns off the air . sure , i'd seen them all at least once , but i could always count on at least a few inadvertent laughs from ultra - serious jack webb when there was nothing else on tv oven though "dragnet" is out of circulation at the moment , we webb anti- fans a few inadvertent laughs from ultra – serious jack webb when there was nothing else on ty, even though "dragmen" is out of circulation at the moment, we webb and: fans still have the d. i. a, 50 % propaganda piece for the military that is almost as bilarious state famous "blue boy "glossleed of "dragment," for anyone like me who got laughs out of webb's rapid – fire speeches and straight - faced seriousness , think of the d. i. as what would happen if sgr. joe friday ever milisted , because he plays exactly the same character here, a noe – nonseme old fart who looks with dischian at the younger generation awar, it may be a now of the contracted of the property of the contracted of the property of the contracted of the contracted of the property of the contracted of the contracted of the property of the contracted of the property of the contracted of the contracted

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(CLS) my inner flag was at half – most last year when nick at nite pulled "dragaet" retrue off the air. sure , i'd seen them all at loast once, but i could always count on at least, a few inadvertent laughs from ultra , serions jack webb when there was nothing sees on ty, even though "dragaet" is out of circulation at the moment, we webb anti-fans still have the d, i, a 50 's propagada piece for the military flat almost as laurines as the famons. "blue hop," espoace of "dragaet." for anywer like me who got laughs out of webb's rapid - fire speeches and straight - faced seriousness, think of the d, i. as what would happen if sqt, joe fridag ever entilated, because be plays exactly the same character here, a no - nonsense old fart who looks with disclain at the younger generation and loves to give long - winded, melotranatic speeches on any topic, in this election year, i'm more convinced than ever that webb and bob dole were separated at birth. Be moved genes in characteristic fashion as one recruited randort knocks on webb" card pretty much goes without saying, this is his movie all the way, and after the first twenty minutes of him chewing out his recruits for no reason, i was wondering if there would even be a plot, i certainly would have been entertained by an hour and a half of trademark webb rants, but the d. i, i gives is now— much more, webb 's mission is to make a man out of private owens, the local screw -up, the captain gives webb here days to convert owers into marine material or, the captain will "personally cut the lace off his panties and ship him out myself." ("whether the "lace panties" part refers to webb or owns remains unnaswerd.) Just of course; gives webb an excuse to focus all his crotchety energy on making owens "life a living hell. for those of you who when 't been indoctrimated into the pleasures of webb watching, here 's a reprint of a typical monologue of his .: can 't duplicate his fallarious delivery on paper, but the words should at least partially convey with with 't halking about

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(CLS) my inner flag was at half—most last year when nick at nite pulled "dragaet" runns off the air sure, i d seen them all at least once, but i could always count on the least few inadvertent laught from utter, serious jack webb when there was nothing as on the least few inadvertent laught from utter, serious jack webb when there was nothing so not to leave though, "dragaet" is not of circulation at the moment, we webb antifuses as the finances who per serious place to the military that almost a subject to the serious place to the proposed of dragaet. "In amount like new who got hunds out of webb "a rapid if fire speeches and straight: faced seriousses, thinky of the d. i as what would happen if set joe friday ever enlisted, because he place search; the same character here, is no innosense old fart who looks with disclain at the younger generation and loves to give long. "winted! medotranatic speeches on any topic in this election year, if m more convinced than ever that webb and bob dole were separated at birth. But manned opens in channetersite fashion as one recruit after another knocks on webb "c and pretty much goes without saying, this is his movie all the way, and after the first twenty minutes of him chewing out his recruits for no reason, it was wondering if there would even be a plot, if certainly would have been entertained by an hour and a half of a trademark webb rants. If the d. it is was uned - much minute in which is made a man out of private owers, the local screw - up . the captain gives web here days to convert owers into marine material or, the captain will "personally cut the lace off his panties and ship him out myself;" (whether the "lace panties" parties to webb or of owers remains unanswered!) "in of course gives webb in excuse to focus all his crotchety energy on making owens "tife a living hell. for those of you when a "the best of your whom in a living hell of the charge in the words should at least partially convey what if m talking about ... SEP

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Figure 18: A visualization of the results. For methods that rely on a specific class for propagation, we present both the ground-truth and counter-factual results. The rollout method, as well as the raw attention methods, are class-agnostic. Some words are split into multiple tokens by the BERT tokenizer. (a) Ground truth (negative sentiment). Note that the BERT prediction on this sample was mistaken. (b) Our method for the ground truth [GT] class. (c) Our method for the counter-factual [CF] class. (d) Partial LRP for the GT class. (e) Partial LRP for the CF class. (f) GradCAM for the GT class. (g) GradCAM for the CF class. (h) LRP for the GT class. (i) LRP for the CF class. (j) raw-attention. (k) rollout.

, i embarked on a year - long drool of anticipation . and when the first previews were released has thanksgiving , i was ready to see the film . But then there was the hyper thanksgiving is supposed to the first the same marketing sampaign and measure is secretary subobers are the first thanksgiving is was ready to see the film . But the same marketing sampaign and measure is secretary subobers are the first of the same subobers and the sampaign and the sampaig

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(CLS) star was: ? episode i i the phantom menace (1999) director : george seat: liam neeson , evenu megregor , natule portuna , jake lloyd , an mediamid seaten! I, jackson , oliver ford daves , twee stamp, perulla sugast, frank or annuel best, henry baker, anthony daniels severaplay; george lines proteners rick necessal best, henry baker, anthony daniels reveraged groups lines proteners rick necessal mention in the protein seate of the protein seate of the leader to the lea

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(CLS) star wars: ? episode i -- the phantom menace (1999) director: george cast: liam messon, ewan megregor, natalle portman, jake lloyd, ian mediarnid, samuel 1. jackson, oliver ford davies, terence stamp, permilia august, frank oz, ahmed best, kenny bader, anthony daniels screenplay: george linear potencers: rick mecallum runtime: 131 min, us distribution: 20th century for rated pg; mild violence; the matic elements copyring! 1999 natalnie! r. atcheson a fellow critic once stated his bedief that a reviewer should not speak of himself in his own review. i' ve attempted to obey this rule in recent months, but to do so would be impossible in this case, the fact is, nearly every person who goes to see the phantom menace brings baggage in with them. He was trilogy ensus so much to so many people, for me, they calibrated my creativity as a child; they are masterful; original works of art that mix moving stories with what were astonishing special effects at the time (and they still hold up pretty draw well). I am too young to have seen star wars in the theater during its original releases that the contrary, the star strilogy—a many less declarated of all. on the contrary, the star strilogy—a many less declarated of the contrary, the star strilogy—a many less declarated of the contrary, the star strilogy—a many less declarated of the contrary, the star strilogy—a man the empire strikes back in particular—are three items on a very short list of why i gow movies—when he heard that goorge henes would be making the first trilogy in the nine—film series, i got exited. When i first saw screenshots from the film, well of the characters when ever i went to kee or tacol of anticipation. and when the first previews were released last thanksgiving, i was ready to see the film: but then there was the hype, the imane marketing campaign; and lucasfilm's secretive snobbery over the picture. In the last weeks before the picture opened, while multitudes of fans waited of the characters whenever i want to keef or tacol of anticipation

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(CLS) star wars: ? episode i - ... the phantom menace (1999) director: george lucas cast: liam neeson , ewan megregor , natalie portman , jake lloyd , ian mediarmid , samuel 1. jackson , oliver ford davies , terence stamp , pertilla august , frank oz , ahmed best , kemy baker , anthony damiels screenplay: george lucas rockners: rick mecallum runtime : 131 min , us distribution: 20th century for rated pg; mild violence , thematic elements | 1999 antalinel r , atcheson a fellow critic one stated his belief that a reviewer should not speak of himself in his own review .; i' ve attempted to obey this rule in recent months , but to do so would be impossible in this case. the fact is, nearly every person who goes to see the phantom menace brings baggage in with them . the original star wars trilogy menss so much to so many people. for me, they calibrated my creativity as a child; they are masterful, original works of art that mix moving stories with what were satonishing special effects at the time (and they still hold up pretty draw well) . i am too young to have seen star wars in the theater during its original release but that does n't make me any less dedicated by ... on the contrary, the star wars trilogy -- and the empire strikes back in particular -- are three items on a very short list of why i low movies . when i head that goorge lucas would be making the first trilogy in the nine - film series , i got exited . when i first saw screenshots from the film , well of the characters when the previews were released last thanksgiving , i was ready to see the film . but then there was the lype, the insane marketing campaign , and lucasfilm's secretive snobbery over the picture . in the last weeks before the picture opened , while multitudes of fans waited of the characters whenever i went to kle or taco bell .! i just wanted to see the movie . reader , do not misunderstand . i did not have an anti - hype reaction . the hype was marovidable . i understand and accept the hype - it 's just what happens when [SEP]

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[CLS] star wars: ? gpisode i -- the phantom memace (1999) director : george local cast : lam nesson , evan megregor , natale portman , jake loyd , in mediarmid , sammel 1 jakeson , oliver ford device , terenes stamp, pernila singust, frank oz , ahmed best , kenny baker , anthony daniels screenplay : george lincal producers : rick mecallum runtime : 131 min : us distribution : 20th century for rated pg : mind 'violence' thematic elements coprogular elements coprogul

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(CLS] star wars: ? episode i -- the phantom menace (1999) director: george lucas cast: liam nesson, ewan megregor, natalie portman, jake lloyd', iam echarmaid, samuel 1 jakeson, oliver ford davies, terence stamp, pernilla august, frank oz, ahmed best, kenny baker, anthony daniels screenplay: george lucas producers: rick mecallum runtime: 131 min: us distribution: 20th century for rated pg: mild violence; thematic elements copyright 1999 nathaniel*. acheeon a fellow critic once stated his belief that elements copyright 1999 nathaniel*. acheeon a fellow critic once stated his belief that unle in recent months, but to do so would be impossible in this case. the fact is, nearly every person who goes to see the phantom menace brings baggage in with them. the original star was trilogy means so much to so many people, for me, they calibrated up creativity as a child; they are masterful, original works of art that mix moving stories with what were satonishing special effects at the time (and they still hold up pretty darn well): i am too young to have seen star wars in the theater during its original release, but that does n't make may less dedicated to it. on the contrary, the star was trilogy—and the empire strikes back in particular—are three items on a very short list of why i love movies. when i heard that george lucas would be making the first trilogy in the nine—film series; i got exited. when i first saw screenshots from the film, well of were a year ago, i embarded on a year—long drood of anticipation. and when the first previews were released last thanksgiving, i was ready to see the film. but then there was the hype, the insane marketing campaign, and lucasfilm's secretive mobberly over the picture. in the last weeks before the picture opened, while multitudes of fans waited to the characters when even it went to klé or taco bell i just wanted to see the movie reader, do not misunderstand i did not have an mill hype reaction. the hype was manvoldable i understand and accept the hype — it 's just what happens

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[CLS] star wars: ? episode i - · the phantom menace (1999) director: george luces cast: liam neeson, evean megregor, natale portman, jake lloyd, ian mediarmid, sammel 1 jackson, oliver ford davies, terence stamp, pernila august, frank oz, ahmed menime; 131 min, us distribution: 200 menume; pernila august, frank oz, ahmed menime; 131 min, us distribution: 200 menume; percent productors does the control of the

(CLS) star wars: ? ghoods i = the phantom menace [1999] director : goorge locuses: ! liam neeson , evan megregor , natalie portman , jake lloyd , ian mediamid , samuel] jackson , oliver ford davies , terence stamp , pertulla august , frank oz , almoed best, leanny basic , anthony damiels screenplay : george Boss producers : rick mecallum runtime | 131 min , ms distribution : 20th century for rated pg ; mild vidence (the matic elements governated 1999 anthaniel | 71 aches mild screen | 1000 century for mated pg ; mild vidence (the matic elements governated 1990 mathaniel | 71 aches mild screen | 1000 century for mated pg ; mild vidence (the matic rate in recent months , but to do so would be impossible in this case ; the fact is, nearly every person who goes to see the phantom menace brings baggage in with them | 1000 century | 1000 c reader, do not misunderstand. i did not have an anti - hype reaction. the hype was unavoidable, i understand and accept the hype - - it's just what happens when SEP

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(LS) star wars: ? episode i -- the phantom menace (1999) director; george heas cast: liam neeson , evan megregor, natalie portman , jake lloyd, ian mediarnid , samuel 1. jackson, oliver ford davies, terence stamp, pertulla august, frank oz, ahmed best, leamy baker, anthony daniels screenplay; george heas producers: rich mecallum nuntime: 131 min, us distribution: 20th century for rated pg; mild violence; thematic elements copyright 1999 natalnule r , atcheson a fellow critic one stated his belief that a reviewer should not speak of himself in his own review. if ve attempted to obey this mile in recent months, but to do so would be impossible in this case, the fact is, nearly every person who goes to see the phantom menace brings baggage in with them the original star was trilogy means so much to so many people, for me, they calibrate the original star was trilogy are asso so much to so many people, for me, they calibrate, the with what were astonishing special effects at the time (and they still hold up presty darn well); i am too young to have seen star wars in the theater during its original release, but that does n't make me any less dedicated to it, on the contrary, the star was trilogy -- and the empire strikes back in particular -- are three items on a very short list of why i love movies: when i heard that george hease would be making the first trilogy in the nine - film series, i got exited. when i first saw screenshots from the film, well over a year ago, i embarded on a year - long drood of anticipation; and when the first previews were released last thanksgiving; i was ready to see the film; but then there was the hype, the insame marketing campaign, and lucasfilm 's secretive mobbery over the picture. In the last weeks before the picture opened, while multitudes of fans waited outside of theaters and stood in the boiling sum days in advance just to be the first ones in the theater; i was tirted of heaving about it, i was tired of seeing cardboard cut - outs the charge it is the string of the charact reader , do not misunderstand , i did not have an anti - hype reaction , the hype was unavoidable . i understand and accept the hype -- it 's just what happens when

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Figure 19: A visualization of the results. For methods that rely on a specific class for propagation, we present both the ground-truth and counter-factual results. The rollout method, as well as the raw attention methods, are class-agnostic. Some words are split into multiple tokens by the BERT tokenizer. (a) Ground truth (negative sentiment). Note that the BERT prediction on this sample was mistaken. (b) Our method for the ground truth [GT] class. (c) Our method for the counter-factual [CF] class. (d) Partial LRP for the GT class. (e) Partial LRP for the CF class. (f) GradCAM for the GT class. (g) GradCAM for the CF class. (h) LRP for the GT class. (i) LRP for the CF class. (j) raw-attention. (k) rollout.

the lives of older people in the twilight of their years attempting to come to grips with their shared histories and possible futures is a facinating topic. finding an all - star cast for such a film is a stroke of genius. combining all that with a three-time occar-winning director (rober benton of "kramer vs. kramer") in the stroke of the combination o

(CLS) the lives of older people in the twilight of their years attempting to come to grips with their shared histories and possible futures is a faceinating topic, finding an allistate cast for goal in fine in a state of gamius, combinings, ill showing the three time correctly and the state of gamius is combining all showing the state of gamius in the state of gamius is combining and the state of gamius combinings. It shows that there is the correctly all the state of disappointment is game in the state of disappointment is game in the state of the state of disappointment is game in the state of the state of disappointment is game in the state of finale, but here the journey meanders towards an ending that no one cares about . the only surprises are exactly whose face fits which role in the [SEP]

[CLS] the lives of older people in the twilight of their years attempting to come to grips with their shared histories and possible futures \$\beta\$ is fiscinating topic. Inding an all-star cast for such a \$\frac{1}{\text{im}}\$ in a part of the property o

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[CLS] the lives of older people in the twilight of their years attempting to come to grips with their shared histories and possible futures is a fascinating topic. Infining an all-star cast for such a film is a stroke of genius. combining all that with a three - time oscar - winning director (robert benton of "kramer vs. kramer") and creating a decidedly mediorer movie is the stuff of disappointment in spet another noir mystery set in hollywood - how many of these have we seen during the past few years? -- the atmosphere is moody, the actors enjoyable to watch and the story goes nowhere. over -70 harry ross (paul newman) is a washed up cop - turned - private eye -turned man if only word of the private of the private private years and the private private years ago, he traveled to mexico to bring back mel (resse witherspoon), the under - age daughter of jack (gene hackman) and catherine (stssan strandom the three have become fast friends, one gest the impression that ross is just hanging out waiting for something to wake him up. to fill his time, he does odd jobs for jack and falls in low with catherine, jack is in even worse shape than harry, he 's dying of cancer with only a year to live, things do turn more exciting when jack asks harry to drop off a sealed manila envelope for him. instead of the rounder exceeds appearance of catherine is first husband 20 years before chungh a series of very complex and convoluted plot devices that involve murder; blackmail; guns; mel 's a film noir tradition that the story wists and turns down side or hough a series of very complex and convoluted plot devices that involve murder; blackmail; guns; mel 's a film noir tradition that the story wists and turns down side or puddies, ex-lower and would- be sidekick, the tale finally ends up exactly where everyone expects it to .' is a film noir tradition that the story wists and turns down side or puddies, ex-lower and would- be sidekick, the tale finally ends up exactly where everyone expects it to .' is a film noir tradition that

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[CLS] the lives of older people in the twilight of their years attempting to come to grips with their shared histories and possible futures is a fascinating topic. finding an all-star cast for such a film is a stroke of genius. combining all that with a three - time oscar - winning director (robert benton of "kramer vs. kramer") and creating a decidedly mediore movie is the stuff of disappointment. in yet another noir mystery set in hollywood - how many of these have we seen during the past few years? - - the atmosphere is moody, the actors enjoyable to watch and the story goes nowhere - over - 70 harry ross (paul newman) is a washed up cop - turned - private eye - turned man friday trying to figure out how to live what remains of his life. he "s screwed up things pretty well ("i i had a wife and daughter . now , i' m a drunk) and is at a crossroads a couple of years ago , he traveled to mexico to bring back mel (rese witherspoon), the under - age daughter of jack (gene hackman) and catherine (susan sarandon) ames and now lives with them . the ames are former movie stars, past their prime and the three have become fast friends . one gets the impression that ross is just hanging of cancer with only a year to live things do turn more exciting when jack also sharry to drop off a scaled manila envelope for him . instead of the routine errand that ross expects, he wasks into a barrage of bullest from the gun of another ex - cop who is . himself , full of bloody holes . this unsettling event gives the former detective a limit of throw himself into and launches an investigation that revolves around the mysterious disappearance of catherine 's first husband 20 years before . through a series of very complex and convoluted plot devices that involves marder ; blackmanl guns ; mel 's annother than the production of the control of the routine errand that ross is under the production of the control of the routine errand that ross to throw himself into and launches an investigation that revolves around the mysterious disa CLS the lives of older people in the twilight of their years attempting to come to grips

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[CLS] the lives of older people in the twilight of their years attempting to come to grips with their shared histories and possible futures [8] a fascinating topic; finding an all-star cast for small a film [8] a stroke of genits; combining all that with a ture - time oscar - winning director (robert benton of "kramer vo a framer") and reading in directivity of the control of the star of the supposition o

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Figure 20: A visualization of the results. For methods that rely on a specific class for propagation, we present both the ground-truth and counter-factual results. The rollout method, as well as the raw attention methods, are class-agnostic. Some words are split into multiple tokens by the BERT tokenizer. (a) Ground truth (negative sentiment). Note that the BERT prediction on this sample was mistaken. (b) Our method for the ground truth [GT] class. (c) Our method for the counter-factual [CF] class. (d) Partial LRP for the GT class. (e) Partial LRP for the CF class. (f) GradCAM for the GT class. (g) GradCAM for the CF class. (h) LRP for the GT class. (i) LRP for the CF class. (j) raw-attention. (k) rollout

martial arts master steven seagal (not to mention director !) has built a career out of playing an allegedly fictitious martial arts superman who never gets hurt in fights talks in a hushed tone, and squints at any sign of danger, he 's also the most consistent , nas a 'message' that is drilled into our mind... of course, this one, as a change of that is drilled into our mind... of course, after he blows up a lot of stuff and kills a bunch of people... is in the state of the state of

(CLS) martial arts master steven seegal (not to mention director!) has built a career out of playing an allegedly fictitions martial arts superman who never gets burt in fights, talks in a husbed tone, and squints at any sign of danger. he "s also the most consistent individual in hollywood today, since all his morels suck. they basically represent his egotistical tendencies about his art (that is, martial art), i'm sure the guy's good, and he seems like a nice guy on talk shows, although a tad haughty, but these movies he makes are all the same: a guy who is basically indestructable, is maybe wounded supposedly mortally, then comes back with a vengeance and goes buddha on all the baddies asses (although i kinda liked " under siege,"). of course, this one, as a change has a "message" that is drilled into our mind. - of course, after he blows up a lot of stuff and kills a bunch of people. so why do i watch his crap ? i usually do n't. i will never, and you can hold me to this, i will never put to see this man's movies, unless, and only unless, he 's in a supporting role (i.e.e." executive decision") and i'd definitely pay if he dies (i.e.e." executive decision"). but the "most has a special place in my heart. His document of the support of the s

(CLS) martial arts master steven seagal (not to mention director!) has built a career out of playing an allegedly fictitious martial arts superman who never gets hurt in fights, talks in a hushed tone, and squints at any sign of danger. he's also the most consistent individual in hollywood today, since all his mories suck. they busically represent his egotistical tendencies about his art (that is, martial art), i'm sure the guy's good, and he seems like a nice guy on talk shows, although at and haughty, but these movies he makes are all the same: a guy who is basically indestructable, is maybe wounded supposedly mortally, then comes back with a vengeance and goes buddhu on all the baddies asses (although i kinda liked "under siege"). of course, this one, as a change , has a "message" that is drilled into our mind. - of course, after he blows up a lot of stuff and kilks a bunch of people. so why do i watch his crap ? i usually do n't. i will never, and you can hold me to this, i will never pay to see this man's movies, unless, and only unless, he 's in a supporting role (i.e. e. "executive decision") and i'd definitely pay fi he dies (i.e. e. "executive decision"). but Emisse has a special place in my heart . this does n't mean a second or that i even liked ii. this was the last movie! watched with my deceased undee, and we had one hell of a time ripping it apart a la "mystery science theater 3000." in this one, seagal plays a worker for a mining factory set in alseks and run by the greased - up typical shallow villain, this time played by an orcar—winner to give the movies some more dout - michael eatine. It is seems that caine want of the contractive of the second by some huits, and [SE7]

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(CLS) martial arts master steven seagal (not to mention director!) has built a career out of playing an allegedly fictitions martial arts superman who never gets hurt in fights, talks in a husbed tone, and squints at any sign of danger. he 's also the most consistent individual in hollywood today, since all his movies suck, they busically represent his egotistical tendencies about his art (that is, martial art). i'm sure the guy's good, and he seems like a nice guy on talk shows, although a tad husghty, but these movies he makes are all the same: a guy who is bascially indestructable, is maybe wounded supposedly mortally, then comes back with a vengeance and goes buddha on all the haddies assess (although is indat liked "under siege"). of course, this one, as a change, has a' message "that is drilled into our mind ... of course, after he blows up a lot of stuff and kills a bunch of people, so why do i wakeft his crap? i'u susully don 't .i will never , and you can hold me to this, i will never pay to see this man 's movies, unless, and only unders, he's in a supporting role (i. e. "executive decision") and i'd definitely pay if he dies (i. e. "executive decision"). but the limit of the stuff is a special place in my heart. His does n't mean lis good or that ieven his led ... the stuff is a special place in a special place in my heart. His does n't mean lis good or that ieven his led ... the stuff is a special place of the stuff is a special place of the stuff is a special place of the stuff is an an any story science theaters 2000. "in this one, seagal plays a worker for a mining factory set in alasks and run by the gressed - up typical shallow villain, its time played by an oscar - winner to give the movie some more dout - michael caine. It seems that caine wants to do something with his oil factory that includes him dumping oil all over insut land. around the 20 - 30 minute point, seagal speaks up to him in what seems to be the typical speceh to all the vain entrepeneurs (what with his new "fine down below",

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[CLS] martial arts master steven seagal (not to mention director!) has built a career out of playing an allegedly fictitious martial arts superman who never gets but in fights, talks in a hushed tone, and squints at any sign of danger. he's also the most consistent individual in hollywood today, since all his movies suck. they basically represent his set m ataska and run by the greased - up typical shallow villain , this time played by an ocear - winner to give the movie some more clout - michael caine . it seems that caine wants to do something with his oil factory that includes him dumping oil all over inuit land . around the 20 - 30 minute point , seagal speaks up to him in what seems to be the typical speech to all the vain entrepeneurs (what with his new " fire down below , " another " message film ") , and caine has him bumped off . . . or does he? seagal is rescued by some inuits , and [SEP]

(c)

[CLS] martial arts master steven seagal (not to mention director!) has built a career out of playing an allegedly fictitious martial arts superman who never gets but in fights, talks in a hushed tone, and squints at any sign of danger | he 's also the most consistent individual in bollywood today, since all his movies suck. they basically represent his talks in a husbed tone, and squints at any sign of danger |he 's also the most consistent individual in joiltwood today, since all his more's suck. bely basically represent his egotistical tendencies about his art (that is, martial art), if m sure the gu's good and he seems like a nice guy on talk shows, although a tal haughty, but these movies he makes are all the same : a guy who is basically indestructable , is maybe wounded supposedly mortally, then comes back with a vengeance and goes buddha on all the baddies asses (although i kinda liked " under siege") joi course, this one, as a change has a "message" that is drilled into our mind . of course, after he blows up a lot of stuff and kills a bunch of people |so why do i watch his crap ? i usually don |t. i will never, and you can hold me to this, i will never pay to see this man 's movies. unless , and only unless, he 'is in a supporting role (i. e. " executive decision") and i! definitely pay if he dies (i. e. " executive decision"). but this one has a special place in my heart . this does n |t mean |star |star

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(LS) martial arts master steven seapal (not to mention director!) has built a career out of playing an allegedly fictitious martial arts superman who never gets butt in fights, talks in a hushed tone, and squints at any sign of danger. he 's also the most consistent individual in hollywood today, since all his mories suck. they basically represent his egotistical tendencies about his art (that is, martial art), i 'm sure the guy's good, and he seems like a nice guy on talk shows, although a tad haughty, but these movies he makes are all the same: a guy who is basically indestructable, is maybe wounded supposedly mortally, then comes back with a vengeance and goos buddha on all the baddies asses (although i kinda liked "under siege"). of course, this one, as a change has a "message" that is drilled into our mind. - of course, after he blows up a lot of stuff and kills a bunch of people; so why do i watch his crap? i usually don't. i will never; and you can hold me to this, i will never put to see this man's movies, unless, and only unless, he 's in a supporting role (i.e. "exceutive decision") and i' definitely pay if he dies (i.e., "exceutive decision"). but this one has a special place in my heart. this does n't mean it 'g good or that i even liked it; this was the last movie i watched with my deceased under. and be also do need lot a time ripping it apart a la "mystery science theater 3000", "and this was a couple years before it had benefit of mystery science theaters 3000", i'm this one, seagal plays a worker for a mining factory mystery science theaters 3000", i'm this one, seagal plays a worker for a mining factory in the sum of the sum

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[CLS] martial arts master steven seagol (not to mention director!) has built a career out of playing an allegedly fictitious martial arts superman who never gets hurt in fights, talks in a husbed tone, and squiths at any sign of danger, he's also the most consistent individual in followood today, since all his more's suck. they basically represent his egotistical tendencies about his art (that is, martial art), it me sure the guy's good, and he seems like a nice guy on talk shows, although at ad haughty, but these movies he makes are all the same: a guy who is basically indestructable, is maybe wounded supposedly mortally, then comes back with a vergeance and goes buddha on all the baddies asses (although i kinda liked " under siege"); of course, this one, as a change, has a "message" that is drilled into our mind. - of course, after he blows up a lot of stuff and kills a bunch of people; so why do i watch his crap ? i usually don 't.'. i will never; and you can hold me to this, i will never pay to see this man 's movies, unless, and only unless, he 's in a supporting role (i.e., "cecutive decision") has a special place in my heart. Buil does n't moan il 's good or that i even liked in the study of the disc (i.e., "cecutive decision"). but the movie in watched with my decreased unch, and we had one held of a time rippine glapart as movie in watched with my decreased unch, and we had one held or at time rippine glapart as movie in alkada and run by the greased unch and we had one held or at time rippine glapart as we had to the control of the study of

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(LIS) martial arts master steven swap(a) (not to mention director!) has built a career out of playing an allegedly fictitious martial arts superman who never gets hurt in fights, talks in a hushed tone, and squints at any sign of danger. he 's also the most consistent individual in hollywood today, since all his more's suck. they basically represent his egotistical tendencies about his art (that is, martial art), i'm sure the guy's sgood, and he seems like a nice guy on talk shows, although a tad haughty, but these movies he makes are all the same: a guy who is basically indestructable, is maybe wounded supposedly mortally, then comes back with a vengeance and goes buddha on all the baddies asses (although i kinda liked "under siege"). of course, this one, as a change has a "message" that is drilled into our mind. - of course, after he blows up a lot of stuff and kills a bunch of people; so why do i watch his crap ? i usually don 't.; i will never; and you can hold me to this, i will never pay to see this man 's movies; unless, and only unless, he 's in a supporting role (i.e., "executive decision") and i'definitely pay life dies (i.e., "executive decision"). but this one has a special place in my heart; this does n't mean it's good or that i even liked it; this was the last movie i watched with my deceased under, and we had one held of a time ripping it apart as movie in abasis and on the lof a time ripping it apart as the supersy science theative 2000. "In this one, swagal plays a worker for a mining factory set in alasks and run by the greased- up typical shallow villain, this time played by an escar - winner to give the movie some more dout - michael caine: it seems that caine the typical speech to all the vain entrepenents (what with his lene we "fire down below", "another "message film"), and caine has him bumped off... or does he? seagal is rescued by some inuits, and

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Figure 21: A visualization of the results. For methods that rely on a specific class for propagation, we present both the ground-truth and counter-factual results. The rollout method, as well as the raw attention methods, are class-agnostic. Some words are split into multiple tokens by the BERT tokenizer. (a) Ground truth (negative sentiment). Note that the BERT prediction on this sample was mistaken. (b) Our method for the ground truth [GT] class. (c) Our method for the counter-factual [CF] class. (d) Partial LRP for the GT class. (e) Partial LRP for the CF class. (f) GradCAM for the GT class. (g) GradCAM for the CF class. (h) LRP for the GT class. (i) LRP for the CF class. (j) raw-attention. (k) rollout.

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[CLS] "bicentennial man a family film without any external motive with the exception of providing the minimum dose of entertainment. chris columbus, the director who gave you "me. doubtfire", plays on sentimental strings and mustly dialogue to make his point, issued on the short story by issae assimor. If a supposed to be a science fiction story about a nobot who wants to be human, which as you can imagine a sequence of the story about a nobot who wants to be human, which as you can imagine a sequence of the story about a nobot who wants to be human, which as you can imagine a sequence of the story about a nobot who wants to be human, which as you can imagine a sequence of the a difficult task . [SEP]

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Figure 22: A visualization of the results. For methods that rely on a specific class for propagation, we present both the ground-truth and counter-factual results. The rollout method, as well as the raw attention methods, are class-agnostic. Some words are split into multiple tokens by the BERT tokenizer. (a) Ground truth (negative sentiment). Note that the BERT prediction on this sample was mistaken. (b) Our method for the ground truth [GT] class. (c) Our method for the counter-factual [CF] class. (d) Partial LRP for the GT class. (e) Partial LRP for the CF class. (f) GradCAM for the GT class. (g) GradCAM for the CF class. (h) LRP for the GT class. (i) LRP for the CF class. (j) raw-attention. (k) rollout.

in 1912, a ship set sail on her maiden voyage across the atlantic for america , this ship was built to be the largest ship in the world , and she was . she was also build to be one of the most luxurioris , and that she was . finally, she was built to be unsimbable and that unfortunately she was not . to get a ticker for this voyage you either : spent and that unfortunately she was not . to get a ticker for this voyage you either : spent had the money to spare, or finally were lucky enough to have a full house in a poler match by the docks like jack darson . jack dawnon makes the trip, and happens to be at the right place at the right time . rose dewitt bukater . a first class passenger, climbs the railings at the aft of the ship with thoughts of jumping . thus is started a talle of romance and intrigue , and a tale of death and tragedy . . this movie is about a tragitly as any other bit of historical trivia . the movie itanic shows what happened, maybe not with a 100 % degree of accuracy, but it still libers were preferred in the titanic is both a story on its own and a backdrop for a story . Herees is loot admirably libers were considered to the control of good movie its its main stars is something that both leonarde dicaprip their roles . looking at the thally the characters

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(CLS] in 1912, a ship set sail on her maiden voyage across the atlantic for america , this ship was built to be unhe largest ship in the world, and she was , she was also built to be one of the most luxurious, and that she was , finally, she was built to be unshiable and that unfortunately she was not , to get a ticket for this voyage you either : spent in lie's savings to get to america to start life anse, we were part of the upper class and had the money to spare, or finally were lucky enough to have a full house in a poker match by the docks like jack dasson, jack dasson makes the trip, and happens to be at the right place at the right time, rose dewitt bulsater, a first class passenger, claimly stream to the control of the cont

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Figure 23: A visualization of the results. For methods that rely on a specific class for propagation, we present both the ground-truth and counter-factual results. The rollout method, as well as the raw attention methods, are class-agnostic. Some words are split into multiple tokens by the BERT tokenizer. (a) Ground truth (positive sentiment). Note that the BERT prediction on this sample was accurate. (b) Our method for the ground truth [GT] class. (c) Our method for the counter-factual [CF] class. (d) Partial LRP for the GT class. (e) Partial LRP for the CF class. (f) GradCAM for the GT class. (g) GradCAM for the CF class. (h) LRP for the GT class. (i) LRP for the CF class. (j) raw-attention. (k) rollout

the start of this movie reminded me of parts from the movie stargate . people are looking ork city . one day a ovie is about what happens viewer with a vi wills is an illegal taxi - oab driver in a futuristic new york city , one day a lady draped with a few bandage drops down into his trunk. It his movie is about what happens. He was the state of the st

[CLS] the start of this movie reminded me of parts from the movie stargate . people are looking around in an egyptian temple reading about some dangerous thing that is going to destroy earth in the future . after a sort of confusing bit involving fake - looking cybory things, the movie jumps into the future and the movie is the two by leaps and bounds . the basic idea behind the movie is that every once in a while (make that every 1000 years or so) an evil force comes to destroy earth , the things needed to defend against this menace are the four elements of nature plus the fifth element . the plot in this movie really is n't that important to the thing though, this movie has very good special effects , for the most part . the techno - ish music in the background fits the mood way well . burce will is an ullegal taxi - add virieve in a futuristic new york city, one day a lady draped with a few bandages drops down into his trunk . this movie is about what happens it he plot twists are interesting und the movie never fails to present the viewer with a variety of different locations. Also there is a fair bit of action in the film , particularly towards the end , some characters are just plain strange including a highly-energetic deelpy in drag . Druce willis does his normal job of blowing things away like he always does. he movie is definitely watchable and rarely slows down. Is one of those size in films where you "il be saying " cool " followed by a " what the hell ?!?!" . i give to fifth the movie is the saying " cool " followed by a " what the hell ?!?!" . i

[CLS] the start of this movie reminded me of parts from the movie stargate . people are looking around in an egyptian temple reading about some dangerous thing that is going to destroy earth in the future . after a sort of confusing bit moving lake - looking cyborg things, the movie jumps into the future and the movie improves by leaps and bounds . the basis idea behind the movie is that every once in a while (make that every against this memore are the four elements of nature plus the fifth element . Be plot in this movie really is n 't that important to the thing though . Bits movie has very good be precised effects, for the most part, the techno - is him make in the background first the mood very well . bruce willis is an illegal taxi - cab driver in a futuristic new york city, one day a lady draped with a few bandages drops down into his trunk . Shis movie ga about what happens . the plot twists are interesting and the movie never fails to present the reviewer with a variety of different locations . also there is a fair bit of action in the film, particularly towards the end . some characters are just plain strange including a highly energetic decipy in drag . bruce willis does his normal plot of blowing things away like always does the movie willis does his normal plot of blowing things away like always does. The movie well as a significant which are always does. The movie well as a significant while the saying "cool" followed by a "what the hell?!!!!" i give the fifth element . [SEP]

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(CLS) the start of this movie reminded me of parts from the movie stargate . people are looking around in an egyptian temple reading about some dangerous thing that is going to destroy earth in the future . after a sort of confusing bit involving fake - looking cyborg things, the movie jumps into the future and the movie immoves by leaps and bounds . the basic idea behind the movie is that every once in a while (make that every 1000 years or so) an evil force comes to destroy earth , the things needed to defend against this menace are the four elements of nature plus the fifth element . the plot in this movie really is n't that important to the thing though, this movie as sever some special effects, for the most part , the techno- ish music in the background fits the move way well. Druce willis is an illegal taxi - and briver in a futuristic new york city, one day a lady draped with a few bandages drops down into his trunk . this movie g about what happens the plot twists are interesting and the movie were falls to present the viewer with a variety of different locations. also there is a fair but of action in the film)-particularly towards the end . some characters are just plain strange including a high-particularly towards the end . some characters are just plain strange including a high-particularly towards the end . some characters are just plain strange including a high-particularly towards the end . some characters are just plain strange including a high-particularly towards the end . some characters are just plain strange including a high plain and the movie g about a strange of the particularly towards the end . some characters are just plain strange including a high plain and a largely slows down. I go so of those set . It must be be saying cool * followed by a * what the heli ? ! ? ! ? ! . ; give the fifth dement . SEEP

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Figure 24: A visualization of the results. For methods that rely on a specific class for propagation, we present both the ground-truth and counter-factual results. The rollout method, as well as the raw attention methods, are class-agnostic. Some words are split into multiple tokens by the BERT tokenizer. (a) Ground truth (positive sentiment). Note that the BERT prediction on this sample was accurate. (b) Our method for the ground truth [GT] class. (c) Our method for the counter-factual [CF] class. (d) Partial LRP for the GT class. (e) Partial LRP for the CF class. (f) GradCAM for the GT class. (g) GradCAM for the CF class. (h) LRP for the GT class. (i) LRP for the CF class. (j) raw-attention. (k) rollout.

note: some may consider portions of the following text to be spoilers. be forewarned james toback 's return to directing after a eight: -year layoff, two girls and a guy, is a film which is comprised, more or less, of just that: one guy, blake (robert downey jr); two girls, carla (heather graham) and lou (natasha gregson wagner); one primary him which is comprised, more or less, of just that: one guy, blake (robert downey jr.) two girls, carda (heather graham) and lou (natasha gregoon wagner); one primary setting (blake 's absurdly spacious bachdor apartment), and a great deal of dialogue.

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(CLS) note : some may consider portions of the following text to be spoilers: be forewarded james toback 's return to directing after a cight - year layoff, two girk and a guy : \$\frac{1}{2}\$ film subled is comprised, more or less, of just that : one guy, blake (robert downey) ir.) two girks cards (heather graban) and lea (natabash gergson wagner); one primary setting (blake's a basurdly spacious bachelor apartment), and is great deal dialogue, embracing a near real - time approach. \$\frac{1}{2}\$ \$\frac{1}{2}\$ \$\frac{1}{2}\$ \$\text{completely hangs upon the performances of its three actors and the quality of the dialogue withen by mr. toback for his bantering characters. Softmately, the film 's scat is up to the challenge, and the wordy exchanges between the triad of characters, while admittedly variable, are occasionally wickedly amusing, the film' setup is film' setup; film' scat is up to the challenge, and the wordy exchanges between the triad of characters, while admittedly variable, are occasionally wickedly amusing, the film' setup is film' setup; film' scat is up to the challenge, and the wordy exchanges between the triad of characters, while admittedly variable, are occasionally wickedly amusing, the film' setup is film' setup; film' scat is up to the challenge, and the wordy exchanges between the triad of characters, it is revealed that they' re both waiting for their respective boyfriends to return from the airport, and it does n't it take long for them to come to the realisation that they' re being two - timed by the same guy. more indiguant with him than catty with each other, the duo break into blake 's lot and await his sirriad for a confrontation. It's when blake returns to his abode when the film his film stride. Discoved with magnitude of the control of the properties of the confidence of the confide

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[CLS] note : some may consider portions of the following text to be spoilers . be forewarned . james toback 's return to directing after a eight - year layoff , two girls and agu, 's a find which is comprised, more or less of, just that : one guy, blake (robert downey jr .); two girls , carla (heather graham) and lou (natasha gregson wagner); one primary setting (blake' sabauridy spacious bachelor apartment) , and a great deal of dialogue . embracing a near real - time approach, this 's a highly theatrical feature that completely hangs upon the performances of its three actors and the quality of the dialogue written by mr . toback for his bantering characters . fortunately , the film 's exist is up to the challenge , and the wordy exchanges between the triad of characters , while admittedly variable , are occasionally wickedly amusing , the film 's setup \$ fairly generic in nature . and gener starter unpoundingly we meet self - possessed blonde carla and feisty brunctie lou ; both waiting outside a soho loft . as they engage in idle chatter it is revealed that they 're both waiting for their respective borfriends to return from the airport , and it does n' t take long for them to come to the realisation that they're being two - timed by the same guy . more indignant with him than catty with each other , the duo break into blake 's loft and await his arrival for a confrontation .it 's when blake returns to his abode where the film hist its stride judgered with magnificent language to the starter of the string of work that bursts onto the scene and raises the stakes to new heights . it 's fisseinating to watch this character in his natural habitat , and by his own innate behaviour . whether he 's flamboyantly behind his plano in a rollicking rendition of vivaldi , or on the phone leaving messages to his beloveds (caria, lou, and by his own innate behaviour . whether he 's flamboyantly behind his plano in a rollicking rendition of vivaldi , or on the phone leaving messages to his beloveds (caria, lou, and by hi [CLS] note : some may consider portions of the following text to be spoilers . be

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Figure 25: A visualization of the results. For methods that rely on a specific class for propagation, we present both the ground-truth and counter-factual results. The rollout method, as well as the raw attention methods, are class-agnostic. Some words are split into multiple tokens by the BERT tokenizer. (a) Ground truth (positive sentiment). Note that the BERT prediction on this sample was accurate. (b) Our method for the ground truth [GT] class. (c) Our method for the counter-factual [CF] class. (d) Partial LRP for the GT class. (e) Partial LRP for the CF class. (f) GradCAM for the GT class. (g) GradCAM for the CF class. (h) LRP for the GT class. (i) LRP for the CF class. (j) raw-attention. (k) rollout.

to start of slowly as it introduces us to its characters, all of them residing in a southern town called hold yenging. first we meter willier (Larlers s. dutton), an honest man with a slight drinking habit, we then see that willie takes care of an elderly lady nicknamed cookie, who is slowly losing her grip on sanity and is being filled with loneliness, despair, and want of her dead husband. we cut to camille (glenn close) who is obsessively directing a play with her sister cors (plainam enone). Then we hereby get acquainted directing a play with the sister cors (plainam enone). Then we hereby get acquainted tester contents, still full of low and hope even though she has no real place to live, we also feetingly see emma 's lower isson (chris o'donnel). An ambitious but far too excitable young cop. we are now about one quatter through the two hour picture, and robert altuman decides that it is time to set the plot in motion. we see the e-estatic cookie stare hopefully at a picture of her husband. she exclaims "here i come!" and then puts a lighten to the face and shoots herself. soon after, her nicec camille stops by to get a fruit salad bowl, comes upstairs, finds cookie dead and flips out. convinced that suicide is a disgrace and that she will have none of that in her family, she east the suicide note and convinces her slightly slow (yet sweet) sister that it was a murder. she makes sure that she stages it like a murder as well; scattering jewely all over the floor, breaking a few cabinets, windows and doors, and then throwing the gun out in the back yard. the noty reasonable suspect is willie, who immediately gets taken into custody, and put in a jail cell (they all know he did n't do it, so the cell stays open and he plays scrabble with the sheriff and the faithful nemma). In easily the theory with the sheriff and the faithful nemma) nemewher the cover up for the murder while at the

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Figure 26: A visualization of the results. For methods that rely on a specific class for propagation, we present both the ground-truth and counter-factual results. The rollout method, as well as the raw attention methods, are class-agnostic. Some words are split into multiple tokens by the BERT tokenizer. (a) Ground truth (positive sentiment). Note that the BERT prediction on this sample was accurate. (b) Our method for the ground truth [GT] class. (c) Our method for the counter-factual [CF] class. (d) Partial LRP for the GT class. (e) Partial LRP for the CF class. (f) GradCAM for the GT class. (g) GradCAM for the CF class. (h) LRP for the GT class. (i) LRP for the CF class. (j) raw-attention. (k) rollout.

away swanted to do , some gathering with family and friends, and others just seeking to be alone. these people's lives however all intersect during their final six hours. writer director - star for action is a star of the star of the

[CLS] well i ' il be damned . . . the canadians can make a good movie . the world is coming to an end . we do n 't know why or how . but apparently there is no way to stop it . the world has had this information for months . as most of the rioting and other assorted chaos has passed and governments have shut down operations . yet for a handful of isomic citizens, life goes on . they are n't youig crazy or attacking people in the streets . instead they are simply preparing themselves for the end . . some engaging in activities they we always wanted to do , some gathering with family and friends, and others just seeking to be alone . these people's lives however all intersect during their male sky hours, writer . directly - stand to make the streets and other signal to the streets and the state of the streets and the streets and the state of the streets and the street is they need and the main change to east the ring; cultum brith remain) tries to third all all so streets and the street is they need all of the main change to east the ring; cultum brith remain) tries to friffill all his secure of the street of the street

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for their business, and patrick (mcbellar) just wants to be by himself but is n't having much success, even minor characters keep poping up where you least expect them to , tying everyone even closer . things seemed a little hokey towards the beginning of the film, but uffinately everything comes together intelly (although "s not a happy film".

. some moments are understandably gut | wrenching | Jule | sory | menanced by some moments are understandably gut | wrenching | Jule | sory | menanced by some problem that the reason for the end of the world is never given, nor does it bother me that the world is ending at exactly 12 midnight (in toronto anyway). but ido wonder why the sum never sets . come midnight , the sum is still shining brightly maybe why the sum never sets . come midnight is with six still shining brightly maybe the sum is crashing into the earth . . . who knows . also ; it ! 8 comforting to know that in mankind 's final moments on the planet, people will still gang up on the street for the sheer purpose of pushing over a car or a bus (that 's not a shot at this film mind you . . i know people are just stupid and truly would be out in the street tipping over cars) last night is available on dvd [SEP]

(c)

[CLS] well i ll be damned ... the canadians can make a good movie . the world is coming to an end . we do n l know why or how , but apparently there is no way to too pit it the world has had this information for months, as most of the rioting and other assorted chaos has passed and governments have shut down operations lyet for a handful of toronto eitziens, life goes on . they are n ll region gravary or attacking people in the streets . instead they are simply preparing themselves for the end ... some engaging in activities they live always wanted to do, some gathering with family and friends, and others just seeking to be alone [these people's lives however all intersect during their linal six hours | writer - director - star do nu neckellar has crafted a highly unique and emotional film . all of the main characters are compelling as they try and do whatever it is they need to do on their last night on earth ; craft g callum level remails | their star continued to the company employee (david croneaberg leafs every continued to the continued t

(d)

(e)

(CLS) well i 'll be dammed . . . the canndians can make a good movie . the world is coming to an end . . we don 't know why or how . but apparently there is no way to stop it . the world has had this information for mouths, as most of the rioting and other asserted chaos has passed and governments have shut down operations . yet for a handful extract. Instead they are well as the property of the property of the control of the streets and they are well as the streets. Instead they are well yet of a come gathering with family and friends, and others just seeking to be alone these passed in the street is they need to do not heir last night on earth . craig (callum beith renne) I rise to fulfill all his secural fastnases, a gas company employee (david comenhery) calls every customer letting them know the gas will be flowing until the very end and thanks therm for their business, and patrick (medelar) just wants to be by himself but is n't having much success . even minor characters keep popping up where you least expect them to for their business, and patrick (medelar) just wants to be given street business of the film . but ultimately everything comes together nicely (although it 's not a happy film . . some moments are understandably gut - wereholding) the street of the film . but ultimately everything comes together nicely (although it 's not a happy film . . some moments are understandably gut - wereholding) the street of the film . but ultimately everything comes together nicely (although it 's not a happy film or problem that the reason for the end of the world is never given , nor does it bother me that the world is ending at exactly 12 midnight (in toronton anyway) - but id ownder why the sun never sets . come midnight , the sun is still shining brightly . maybe the stree

(f)

[CLS] well i 'll be dammed . . . the canadians can make a good movie . the world is coming to an end . we do n 't know why or how . but apparently there is no way to stop it . the world has had this information for months, as most of the rioting and other assorted chans has passed and governments have shut down operations . yet for a handful of tomoto citizens, life goes on . they are n't joing crazy or attacking people in the streets . instead they are simply preparing themselves for the end . . . some engoging in activities they we always wanted to do , some gathering with family and friends, and others just seeking to be alone . these people's lives however all intersect during their monotional film ill of the instruction - source do motheral limit cated a highly unique over it is they need to do on their last night on earth . craig (callum beith remnis) tries to highly and the control of t

(g)

[CLS] well i i il be damned . . . the canadians can make a good move . the world is coming to an end . we do n it know why or how . but apparently there is no way to stop it it he world has had this information for months, as most of the rioting and other assorted chaoe has passed and governments have shut down operations i yet for a handful of function of the contractions and the part of the contraction of t

(h)

[CLS] well i 'll be damned . . . the canadians can make a good movie . the world is coming to an end . we do n 't know why or how , but apparently there is no way to stop it . the world has had this information for months , as most of the rioting and other assorted chaos has passed and governments have shut down operations . yet for a handful of tomother citiesen, life goes on . they are n't cyonic gracy or attacking people in the streets . instead they are simply preparing themselves for the end . . . some engaging in activities they we always wanted to do , some guthering with family and friends, and others just seeking to be alone . these people 's lives however all intersect during their final six hours . writer - director - start dom melculer has careful a highly unique and others in a complete of the start of the start

(i)

Figure 27: A visualization of the results. For methods that rely on a specific class for propagation, we present both the ground-truth and counter-factual results. The rollout method, as well as the raw attention methods, are class-agnostic. Some words are split into multiple tokens by the BERT tokenizer. (a) Ground truth (positive sentiment). Note that the BERT prediction on this sample was accurate. (b) Our method for the ground truth [GT] class. (c) Our method for the counter-factual [CF] class. (d) Partial LRP for the GT class. (e) Partial LRP for the CF class. (f) GradCAM for the GT class. (g) GradCAM for the CF class. (h) LRP for the GT class. (i) LRP for the CF class. (j) raw-attention. (k) rollout

armageddon , in itself , symbolizes everything that is wrong in modern filmmaking stories have been replaced with special effects ; character development gets overshadowed by bad dialogue; ; plotting consists of a bunch of shit getting blown up . armageddon is a stupid, a solud and as shallow as any movie you! I see come out this summer, or maybe even any other summer. [16] [100] [by bad dialogue; plotting consists of a bunch of shit getting blown up. armageddon is as stupid, as load and as shallow as any more; you I see come out this summer, or maybe even any other summer. I be a property of the summer of the summer of the summer of the summer. I have been a shocked as you are. held; i.d on it even know by it went to see it in the first place. the previews were so annoying that i predicted this was going to be the worst film of the year, or at least that the running, i. 'in sorry, but "somehody dial 1911!!' is n't quite the tagging that 's going to sell as movie, it is n't too wise either to market the film using ...' | i. mean, let 's face it; a ramageddon's previews rival the truman show 's so being some of the worst of the year ... neither of them even come close to doing their respective films justice. Of course, you all know the story, when the earth is threatened with total annihilation via an asteroid the size of texas, mass calls in the us 's top oil drillers (1) to go into space (1) and implant a nuclear device eight - hundred and someodd feet into the asteroid (1). in the coarse of all this mayhem. I was a summer of the coarse of all this mayhem. I was a summer of the summer of th

(CLS) armageddon, in itself, symbolizes everything that is wrong in modern filmmaking stories have been replaced with special effects; character development gets overshadowed by bad dialogue; plotting consists of a bunch of shit getting blown up, armageddon as stundiq i, as found and as shadlows as any movie; out 'll see come out this summer, or maybe even any other summer. but i loved every freaking minute of it. believe me, it 'm just as should as should as shadlows as a movie; out 'll see come out this summer, or maybe even any other summer. but i loved every freaking minute of it. believe me, it 'm just as should as should be a start of the start of the first place. the previews were so annoying that i predicted this was going to be the worst lim of the year, or at least in the running, i.' in sorry, but 'm somebody dial 911!! '" is n' t quite the tagging that 's going to sell a movie. it is n' t too wise either to market the film using the movie's 's studieds times ('b beam eme pu scotty''. yeah, that sure is great writing...). i mean, let' 's face it; armageddon' is previews rival the truman show' 's as being some of the worst of the year, nether of them even come close to doing their respective films justice. of course, you all know the story, when the termina show as assumed as a start of the size of texas, nasa calls in the us''s top oil drillers ('1) to go into space (!) and implant a nuclear device eight lundred and someoid feet into the asteroid (!). in the coarse of all this maybem, we are introduced to some interesting. and not so interesting -characters. belonging to the former groups is rockhound (steve buscemi), a horny tittle womanizing genius who 's always full of wisceracks, even when flying into space at a huge amount of g's. also the former groups is rockhound (steve buscemi), a horny tittle womanizing genius who 's always full of wisceracks, even when flying into space at a huge amount of g's. also the former groups is rockhound (steve buscemi), a horny tittle womanizing genius who 's alw

(CLS) armageddon in itself symbolizes everything that is wrong in modern filmmaking, stories have been replaced with special effects; character development gets overshadowed by bad dialogue; plotting consists of a bunch of shit getting blown up. armageddon is under the grade of the grade of

(a)

(CLS) armageddon , in itself , symbolizes everything that is wrong in modern filmmaking , stories have been replaced with special effects; character development gets overshadowed by bad dialogue ; plotting consists of a bunch of shit getting blown up , armageddon is supped , is signed and as silladoge as any mories on 'll see come out this summer , or maybe even any other summer . but i loved every freaking minute of it. believe me , i 'm just as shocked as you are . hell , i do n't even know why it went to see if the first place . the previews were so annoying that i predicted this was going to be the worst lim of the year, or at least in the running . i'm sorry , but "somebody dial 911.!! '" is n' 't quite the tagging that 's going to sell a movie . it is n' t to wise either to market the film using the movie's 's studydest lines (" beam me up scotty" 'yeah , that sure is great writing . . .) . i mean , let 's face it; armageddon 's previews rival the truman show's as being some of the worst of the year . nether of them even come close to doing their respective films justice . of course, you all know the story, when the earth is threatened with total annihilation via a sateroid the size of texas , nasa calls in the us's top old drillers (1) to go into space (!) and implant a muchear device eight -hundred and someodd feet into the asteroid (!) in the coarse of all this maybem , we are introduced to some interesting - and not so interesting - characters. belonging to the former going is rockbound (see the subscing to two mornions) genins who 's a laways full of wisecracks, even when flying into space at a huge amount of g's. alsay and the former going is rockbound (see the subscing to the course of all this implication and the subscing of reminded me of characters. belonging to use when flying into space at a huge amount of g's. alsay the former going is rockbound (serve busemi) , a horny fitte womanizing genins who 's always full of wisecracks, even when flying into space at a huge amount of g's. alsay the for

(b)

(CLS) armageddon , in itself , symbolizes everything that is wrong in modern filmmaking , stories have been replaced with special effects ; character development gets overshadowed by bad dialogue ; plotting consists of a bunch of shit getting blown up . armageddon is united , as beard and as shallong as any movie you 'll see come out this summer , or maybe even any other summer , but i loved every freaking minute of it. believe me , it 'm just as shocked as you are . hell , id on 't even know why it went to see if in the first place . the previews were so amonying that i predicted this was going to be the worst film of the year, or at least in the running . i'm sorry , but "somebody dial 911.!! '" is n' 't quite the tagging that 's going to sell a movie . it is n' t too wise either to market the film using the movie's studieds times (" beam me up scotty" - yeah , that sure is great writing . . .) . i mean , let 's face it; armageddon 's previews rivad the truman show' as a being some of the worst of the year . eitherfor of them even come close to doing their respective films justice . of course, you all know the story, when the terman show as one of the worst of the year . eitherfor of them even come close to doing their respective films justice . of course, you all know the story, when the learnth is threatened with total ammilhation via a nateroid the size of texas , nasa calls in the us's top old drillers (1) to go into space (!) and implant a nuclear device eight - hundred and someod feet into the asteroid (!) in the coarse of all the maybem , we are introduced to some interesting - and not so interesting - characters. belonging to the former group is rockbound (steve buscemi) , a borny fittle womanizing genius who 's always full of wisceracks, even when flying into space at a huge amount of g's. also it is a stronger of the service of the service and the stronger of the service of the service employing with amonying accent i ca n't quite place), the leader of the pack as well as liv tyler and ben affleck

(c)

[CLS] armageddon , in itself , symbolizes everything that is wrong in modern filmmaking, stories have been replaced with special effects ; character development gets overshadowed by bad dialogue ; plotting consists of a bunch of shit getting blown up armageddon is as stupid , as loud and as shallow as any movie you a li see come out this summer , or by bad dialogue; plotting consists of a bunch of shit getting blown up a mageddon is a stupid, a shoul and as shallow as any movie you. Il see come out this summer, or maybe even any other summer. but i loved every freaking minute of it. believe me i, the first place. It has preview were so amonying that i predicted this was going to be the worst lim of the year, or at least in the running. If in sorry, but "somebody dial 911!!" is n I t quite the tagging that 's going to sell a movie it is n I too wise either to market the film using the movie's 's stupidest limes ('beam one up scotty'', yeah, that sure is great the constant of t

(d)

(CLS) armageddon , in itself , symbolizes everything that is wrong in modern fillmmaking , stories have been replaced with special effects; character development gets overshadowed by bad dialogue; plotting consists of a bunch of shit getting blown up . armageddon in the property of the

(e)

(CLS) armageddon, in itself, symbolizes everything that is wrong in modern filmmaking, stories have been replaced with special effects; character development gets overshadowed by bad dialogue; plotting consists of a bunch of a period of the part of the part of the stories of

(f)

(LS) armageddon , in itself , symbolizes everything that is wrong in modern filmmaking , stories have been replaced with special effects ; character development gets overshadowed by bad dialogue ; plotting consists of a bunch of effects of the construction of the co erything that is wrong in modern filmmaking.

(i)

(g)

(CLS) armageddon , in itself , symbolizes everything that is wrong in modern filmmaking stories have been replaced with special effects; character development gets overshadowed by bad dialogue; plotting consists of a bunch of shit getting blown up ; armageddon is support as good and as silludous as any moreive on "I luse come out this summer , or maybe even any other summer . but i loved every freaking minute of it when the first place; the previews were so amonying that i predicted this was going to be the worst lim of the year, or at least in the running i, i' m sorry, but "somebody dial 911.1! !" is n 1 \t quite the tagging that 's going to sell a movie; it is n \text{! to owise either to market the film using the movie's studyided times ("beam em up scotty" - yeah, that sure is great writing); i mean, let 's face it; armageddon 's previews rival the truman show 's as being some of the worst of the year. either of them even come close to doing their respective films justice; of course, you all know the story, when the earth is threatend with total ammiliation via an asteroid the size of texas, nasa calls in the us's top old drillers (1) to go into space (!) and implant a nuclear device eight -lundred and someodd feet into the asteroid (!) in the coarse of ill this maybem; we are introduced to some interesting; and not so interesting; characters, belonging to the former going is rockbound (steve buscemi); a borny little womanizing genius who 's a laways full of wisecracks, even when flying into space at a lung amount of s' s, also the former going is rockbound (steve buscemi); a borny little womanizing genius who 's a word that it is all the delibers, but kind of reminded me of the larts in apullo 15; only writhout the intensity and great lines to deliver! then on the flip side of the coin is the color of the count of the color of the

(h)

(LLS) armageddon in itself , symbolizes everything that is wrong in modern filmmaking , stories have been replaced with special effects; character development gets overshadowed by bad dialogue; plotting consists of a bunch of shit getting blown up . armageddon is a stupid , as doud and as shallow as any movie you' ll see come out this summer , or maybe even any other summer . but i loved every freaking minute of it . believe me ; in just as shocked as you are . hell , it do n't even know why it went to see it in the first place . the previews were so annoying that i predicted this was going to be the worst lim of the year, or at least in the running . i'n m sorry , but " somebody dial 911 !! " is n't quite the tagging that 's going to sell a movie . it is n't tow vise either to market the film using the movie' a stupidest lims (s' beam me up scott " . yeah , that sure is great writing) . i mean , let 's face it ; armageddon 's previews rival the truman show' as a being some of the worst of the year . nether of them even come close to doing their respective films justice . of course, you all know the story , when the terminan show of some of the worst of the year nether of them even come close to doing their respective films justice . of course, you all know the story , when the termina show as some of the worst of the year nether of them even come close to doing their respective films justice . of course, you all know the story , when the termina show of season of the worst of the year nether of them even come close to doing their respective films justice . of course, you all know the story , when the formation of the season of the worst of the year nether of them even come close to doing their respective films justice of the year nether of the were nown to the settle of the year nether of the year nether of the year of the ye

(j) (k)

Figure 28: A visualization of the results. For methods that rely on a specific class for propagation, we present both the ground-truth and counter-factual results. The rollout method, as well as the raw attention methods, are class-agnostic. Some words are split into multiple tokens by the BERT tokenizer. (a) Ground truth (positive sentiment). Note that the BERT prediction on this sample was mistaken. (b) Our method for the ground truth [GT] class. (c) Our method for the counter-factual [CF] class. (d) Partial LRP for the GT class. (e) Partial LRP for the CF class. (f) GradCAM for the GT class. (g) GradCAM for the CF class. (h) LRP for the GT class. (i) LRP for the CF class. (j) raw-attention. (k) rollout.

the premise is simple if it and bicarre. a mad scientist (trace beaulieu as dr. clayton forrester) launches an average - joe (michael j. nelson as mike nelson) into space where he forces his subject to watch the most horrendous movies ever made. why 'it 's torturous, it 's maniacal, and it 's just plain fun. based on the cult - favorite cable where he forces his subject to watch the most horrendous movies ever made. why? it storturous, it's maniand, and it's just planif in. based on the cult - favorite cable television series, mystery science theater 3000: the movie is n't torturous, and one of the control of the

[CLS] the premise $\frac{1}{8}$ simple , if not bizarre . a mad scientist (trace beaulieu as dr . clayton forrester) launches an average - joe (michael j . nelson as mike nelson) into space where he forces his subject to watch the most horrendous movies ever made . why ? it 's torturous , it 's maniacal , and it 's just plain fun . based on the cult - favorite space where he forces his subject to watch the most horrendous movies ever made. why
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as for being maniacal and just plan firm, is footig the bill quite incived; mile nelson ,
on a dog - bone shaped spacecraft , spends his days as any young man would dream
indulging in sarcasm and horseplay, and seeing quite a few movies, the catch is , these
movies are n't the movies he chooses, but retched examples of film - making chosen
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expecificated by the 'f, forrester in an attempt to break make' as will to live. dr. forrester
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[CLS] the premise is simple, if not bizarre a mad scientist (trace beaulieu as dr. clayton forrester) launches an average - joe (michael j. nelson as mike nelson) into space where he forces his subject to watch the most horrendous movies ever made. why ? it 's forturous, it 's maniacal, and it 's just plain fun. based on the cult -favorite cable television series, mystery science theast 2000: the movie is n't torturous, but as for being maniacal and just plain fun, it foots the bill quite nicely. mike nelson, a dog. bone shaped spaceraft, spends his days as any young man would dream-indulging in sarcasm and horseplay, and seeing quite a few movies . the catch is, these movies are n't the movies be chooses, but retched examples of fin— making chosen specifically by dr. forrester in an attempt to break mike 's will to live . dr. forrester is convinced that one too many be movies is all it will take to ruin a man, but with a couple of wise - cracking puppet buddies (tom servo, voiced by kevin murphy, and crow to the couple of wise cracking puppet buddies (tom servo, voiced by kevin murphy, and crow all that is wrong in the world of cheecy cinema. The purpose behind inst@i sit exploit of all that is wrong in the world of cheecy cinema. The purpose behind inst@i sit exploit on the server of the couple [CLS] the premise is simple , if not bizarre . a mad scientist (trace beaulieu as dr

(a)

(CLS) the premise is simple , if not bizarre . a mad scientist (trace beaulieu as dr . clayton forrester) launches an average - joe (michael j . nelson as mike nelson) into space where he forces his subject to watch the most horrendous movies ever made . why it is stortunes, it is maninal, and if it is plan finn . Isseed on the cult -favorite cable television series , mystery science theater 3000 : the movie is n 't torturous, but as for being manincal and integral pain finn . Is cools the bill quite insiely . mike nelson , on a dog - bone shaped spacecraft , spends his days as any young man would dream indulging in sarross and nobresplay, and seeing quite a few movies . the catch is, these movies are n 't the movies he chooses, but retched examples of film - making chosen specifically by dr . forrester in an antempt to break mike 's will to live . dr . forrester is convinced that one too many b - movies is all it will take to ruin a man, but with a couple of wise-cracking pupped buddies (tom servo, voiced by kevin murphy, and crow t . robot, voiced by beaulieu), the torture becomes somewhat of a honorary party for all that is wrong in the world of cheezy cinema . the purpose behind mst3k is to exploit some of the worst films known (even if by very few of us) to man . we watch as the movie spin on before them . in this case, it 's the 1954 set -i film this island earth we be a sharple should be a spaceship why that the know, it "I explain this one . this island earth is the late of two scientists, a man and a woman, who wind up aboard a spaceship whose crew intends to destroy the earth . together the two fight to survive as well as saw their home planet . to make mst3k work, the film - within - the -film naturally has to be as horrible so possible, and although the tv - series introduced us to several worse films than this island earth, if the same counter and the survive as well as saw their home planet . to make mst3k work, the film - within - the -film that the standard is the same proved the survive asw

(b)

[CLS] the premise is simple, if not bizarre. a mad scientist (trace beaulieu as dr. clayton forrester) launches an average - joe (michael j. nelson as mike nelson) into space where he forces his subject to watch the most horrendous movies ever made, why? it 's forturous, it 's maniacal, and it 's just plain fun. based on the cult - favorite space where he forces his subject to watch the most horrendous movies ever made. why
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(CLS) the premise is simple , if not bizarre . a mad scientist (trace beaulieu as dr . clayton forrester) launches an average - joe (michael j nelson as mike nelson) into space where he forces his subject to watch the most horrendous movies ever made . why it is 's tortunous, it' is maintain, and it is just plain fun. Juse of on the cult -favorite cable television series , mystery science theater 3000 : the movie is n't torturous, but as for being manincal and just plain fun. Jie oots the bill quite nicely . mike nelson ; on a dog - bone shaped spacecraft , spends his days as any young man would dream indulging in sarrasam and horseplay, and seeing quite a few movies the catch is, these movies are n 1 the movies he chooses, but retched examples of film - making chosen specifically by dr. forrester an an attempt to break mike 's will to live 1 dr. forrester is convinced that one too many b - movies is all it will take to ruin a man, but with a couple of wise-cracking pupped buddies (tom serve, viocied by kevin murphy, and crow t. robot, voiced by beaulieu), the torture becomes somewhat of a honorary party for all that is wrong in the world of cheezy dnema. the purpose behind mst3k is to exploit some of the worst films known (even if by very few of us) to man. we watch as the movie spin on before them in this case, it 's the 1954 set' i film this island earth to such the shade and the such probing fin at the movie spin on before them. In this case, it 's the 1954 set' i film this island earth is one this island earth is the tale of two scientists, a man and a woman, who wind up aboard a spaceship whose crew intends to destroy the earth. together the two fight to survive as well as sawe their home planet, to make mst3k work, the film - within - the - film naturally has to be as horrible subsessible, and although the tv' series introduced us to several worse films than this island earth, it's a bad enough flick to bring about some hysterical cruelty ms

(d)

[CLS] the premise is simple , if not bizarre | a mad scientist (trace beaulieu as dr. clayton forrester) launches an average - joe (michael), nelson as mike nelson) into space where he forces his subject to watch the most horrendous movies ever made . why ? If is forturous , if a smallead, and if a just plan from it foot to the state of the state of

(e)

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(f)

[CLS] the premise is simple , if not bizarre . a mad scientist (trace beaulieu as dr . clayton forrester) launches an average - joe (michael j. nelson as mike nelson) into space where he forces his subject to watch the most horrendous invoise ever made . why ? if 's rotturous, if 's manineal, and it 's just plain fun. based on the cult - favoritie and present states of point of the movie is not touch a subject of the movie is not touch on a dog - bone shaped spacecraft , spends his days as any young man would dream on a dog - bone shaped spacecraft , spends his days as any young man would dream specifically by dr. forrester in an an attempt to break mike | well will like at his theomories are n. 't the movies he chooses, but retched examples of film - making chosen specifically by dr. forrester in an an attempt to break mike | well will like at for rester is convinced that one too many b - movies is all it will take to ruin a man, but with a couple of wise - cracking pupped buddies (tom serve, voiced by been immerply, and crow t , robot, voiced by beaulieu) , the torture becomes somewhat of a bonorary party for all that is wrong in the world of cheezy cinema, the purpose behind mist'k its to exploit some of the worst films known (even if by very few of us) to man . we watch as the sibilations of the worst films known (even if by very few of us) to man . we watch as the subsciently watch as our three leads watch , only we get the pleasure of eawesdropping on their hilarious commentary . the plots behind the movies ripped apart are really quite relevant, but for the sake of those who might want to know, i'll explain this one . this island earth is the tale of two scientists, a man and a woman , who wind up aboard as spaceship whose crew intends to destroy the earth . together the two fight to survive as well as save their home planet . to make mat8k work, the film - within - the - film naturally has to be as horrible as possible, and although the tv - series introduced us to several worse films than this is

(CLS) the premiss a simple , if not bizare a mad scientist (trace beaulieu as dr. chayton forrester) launches an average - joe (michael j] nelson as mike nelson) into space where he forces his subject to watch the most horendous movies ever made why fir is fortunous, it is maniant, and fil is fine plain fine beard on the cult -favorite cable television series , mystery science theater 2000: the movie is n 't torturous, but as for being maniancal and in plain fine | foods the bill quite incest' , mike nelson, on a dog - bone shaped spacecraft , spends his days as any young man would dreamindlying in sarcasm and horseplay, and seeing quite a few movies the catch is i, these movies are n! t the movies he chooses, but retched examples of fine - making chosen specifically by dr. forrester in an antempt to break mike 's will to live | dr. forrester is convinced that one too many b - movies is all it will take to ruin a man, but with a couple of wise - cracking pupped buddies (tom servo, voiced by kevin murphy, and crow t . robot, voiced by beaulieu) , the torture becomes somewhat of a honorary party for all that is wrong in the world of cheezy cinema, the purpose behind mask's its exploit some of the worst films known (even if by very few of us) to man , we watch as the similarious commentary . the plots behind the movies ripped apart are really quite measured to the movie of the movie of the worst films known (even if by very few of us) to man , we watch as the sistendy watch as our three leads watch, only we get the pleasure of eavesdropping on their hillarious commentary . the plots behind the movies ripped apart are really quite measured by the contract of the side of two scientists , a man and a woman , who wind up aboard as spaceship whose crew intends to destroy the earth . together the two fight to survive as well as save their home plane! It omake mattik work, the film - within : the - film naturally has to big as forrible as possible , and although the tv - series introduced is to several worse films tha several worse films than this island earth , it 's a bad enough flick to bring about some hysterical cruelty , ms [SEP]

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[CLS] the premise is simple , if not bizarre . a mad scientist (trace beaulieu as dr . clayton forrester) I launches an average . pec (michael j . nelson as mike nelson) into space where he forces his subject to watch the most horrendous movies ever made . why ? it 's roturrous , it 's manineal , and it 's just plain fun . based on the cult - favorite cable television series , mystery science theater 3000: the movie is n't torturous, but as for being manineal and just plain fun , it foots the bill quite nicely . mike nelson , or a dog - bonne shaped spacecraft , spench his days as any young man would dream indulging in surceas and horseplay , and seeing quite a few movies . the catch is , these profits of the control of the contro

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Figure 29: A visualization of the results. For methods that rely on a specific class for propagation, we present both the ground-truth and counter-factual results. The rollout method, as well as the raw attention methods, are class-agnostic. Some words are split into multiple tokens by the BERT tokenizer. (a) Ground truth (positive sentiment). Note that the BERT prediction on this sample was mistaken. (b) Our method for the ground truth [GT] class. (c) Our method for the counter-factual [CF] class. (d) Partial LRP for the GT class. (e) Partial LRP for the CF class. (f) GradCAM for the GT class. (g) GradCAM for the CF class. (h) LRP for the GT class. (i) LRP for the CF class. (j) raw-attention. (k) rollout.

for any groom on the verge of proposing marriage to his gilfliend, there are certain rules that he needs to follow. firstly, fill her life with happiness and romance during the courtship, secondly, buy her a beautiful ring that gilters as brightly as her eyes, thirdly find the perfect moment and location to propose. finally, the groom - wannabe shudd probably get her parent 's blessing, of these four, the last one can be a nightmare meeting parents is a rite of passage, frangth with unexpected questions, bouts of nervousness, the reality of being disliked, and the inability to make a positive impression if you 're lucky, things will go smoothly. but, if you 're groft pecker' (be stiller'), everything will go wrong, and with a name like that, how could it not 're when greg immediately feels overwhelmed and is put on the defensive, when he tells jack that he 's a male nurse, the incorrigible dad shoots back, 'not many men in your profession, hult, greg ?" it is definitely not a good start. but greg is determined to win him over and it 's this desire that fuels the movie, he first takes small steps such as agreeing to say grace before dinner. It does n't matter that he 's jewish. If daddy byrnes asks him to say grace, then that 's what he 's going to gamely do. ' ol god ... you're such a good god '', he moons. his discomfort at trying to force out a simple prayer will make you cheakel, but when jack jews him the 'deminer squint' ('that familiar, unsettling gone that gree decinion that am of invincibility). If a start length are grin. things got progressively worse for eventually, he bogins to try so hard has a grine though gree people, it is a never -ending ordered of missteps, miscues, and mistakes. he hays some champagne, but uncorking the bottle leads to disastrous circumstances . he tries to find jack 's missing cat . but his method

(CLS) for any groom on the verge of proposing marriage to his girlfriend, there are certain rules that he needs to follow. firstly, fill her life with happiness and romance during the courtship, secondly, buy her a beautiful ring that glittens as brightly as her eyes. thirdly, find the perfect moment and location to propose, finally, the groom-wannabe should probably get her parent 's blessing, of these four, the last one can be a nightmare needing parents is a rite of passage, fraught with unexpected questions, bouts of nervousness, the reality of being disliked, and the inability to make a positive impression, if you're lucky, things will go smoothly, but, if you're gree forche obe stiller), everything will go wrong, and with a name like that, how could it not? when so make the state of the stiller), everything will go wrong, and with a name like that, how could it not? syeing first meets, the incorrigible dash dosto back, "not many men in your profession, huh, gree ?" it's definitely not a good start. but greg is determined to win him over and it 's this desire that fuels the state of the state small steps such as agreeing to say grace before dinner. It does n't matter that he 's jevish. If daddy byrmes asks him to say grace, then that 's what he 's going to gamely do. "ol god ... you're such a good god.", he moons. his discumfort at trying to force out a simple prayer will make you chnelde, but when jack gives him the "demino squint" (I had familiar, unsettling goar that gives denire that airra of invincibility), it's petty hard not to grin things gray with a nomantic heart. eventually, he begins to try so had that the stakes he group gray with a nomantic heart. eventually, a be logist to try so had that the stakes he hot you chnelde, hot and an of invincibility), it's petty hard not to grin there gray with the propose it is a never -ending orded of missteps, missers, and mistakes. be buy some champagne, but uncorking the bottle leads to disastrous circumstances. he tries to find jack 's missing cat. but hi

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(LS) for any groom on the verge of proposing marriage to his girlfriend, there are certain rules that he needs to follow. firstly, fill her life with happiness and romance during the courtship. secondly, buy her a beautiful ring that glitters as brightly as her eyes. thirdly, find the perfect moment and location to propose. finally, the groom-vamande should probably get her parent: 's blessing. of these four , the last one can be a nightmare. meeting parents is a rite of passage, fraught with unexpected questions; bouts of nervousness, the reality of being disliked, and the imability to make a positive impression. if you 'ne bucky, things will go smoothly, but, if you 'ne pecky, things will go smoothly, but, if you 'ne pecky cheen the growing of the state of the property of the stiller), everything will go wrong, and with a named like that, how could it not? when star and the property of the state of t champagne , but uncorking the bottle leads to disastrous circumstances . he tries to find jack 's missing cat . but his method [SEP]

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Figure 30: A visualization of the results. For methods that rely on a specific class for propagation, we present both the ground-truth and counter-factual results. The rollout method, as well as the raw attention methods, are class-agnostic. Some words are split into multiple tokens by the BERT tokenizer. (a) Ground truth (positive sentiment). Note that the BERT prediction on this sample was mistaken. (b) Our method for the ground truth [GT] class. (c) Our method for the counter-factual [CF] class. (d) Partial LRP for the GT class. (e) Partial LRP for the CF class. (f) GradCAM for the GT class. (g) GradCAM for the CF class. (h) LRP for the GT class. (i) LRP for the CF class. (j) raw-attention. (k) rollout.

"when you get out of jail , you can kill him . " starring ashley judd , tommy lee jones, bruce greenwood . rated r. double jeopardy is a limit flow of the last limit flow of the last

[CLS]" when you get out of jail, you can kill him." starring ashler judd, tommy lee jones, bruce greenwood, rated r. double jeopardy is a larid, prepositrous thriller that 's also one of the year's most enjoyable. It is more improvement to the property is a larid, prepositrous thriller that 's also one of the year's most enjoyable. If it is more interest is not a moment here when the events on screen don't have a direct bearing on the plot once the film gets going it never stops, it has been branded as the female version of the fugitive and that 's probably a correct assessment of the plot, but the film itself has little in common with the 1993 andrew davis / harrison ford collaboration besides the presence of star tommy lee jones. not even bothering with character introduction, respectively) a seemingly happy married couple, with a son mustry, age 4, they go out on a sailboat one night, and after a period of some rockin' sex, they go to sleep. Ilbly hears a strange noise, waske up and discovers that she is covered with blood, she follows a red trail to the upper deck, where she finds a knife and, out of astonishment, the evidence against her is too compelling, her friend adopts her son and she goes to prison. once in prison, also makes plan the call her first dark the serves her some day to the control of the control of the prison of the first star of the size of the serves of the line of the control of the prison of the size of the size of the serves of the size of t

[CLS]" when you get out of juil, you can kill him." starring ashler juidt, tommy lee jones, bruce greenwood, rated r. double joopardy is a limid i project and thriller that 's also one of the year's most enjoyable. it 's an uncompromisingly brutal, cheerfully anarchic, hyperactive actioner that has a mission and never divers from it, there is not a moment here when the events on screen do n't have a direct bearing on the plot once the filling gets going it never stops. If has been branded as the female version of the fugitive and that 's probably a correct assessment of the plot, but the filling listed is common with the 1993 andrew davis / harrison ford collaboration besides the presence of star tommy lee jones, not even bothering with character introduction, expectively J a seemingly happy married couple, with a son marty, age 4, they go out on a suilboat one night, and after a period of some rockin' sex, they go to sleep. I liby hears a strange noise, wakes up and discovers that she is covered with blood, she follows a red trail to the upper deck, where she finds a knife and, out of astonishment, picks it up, a that convenient moment, the coast guard shows up and liby is arrested. her lawyer, a friend, puts up as defenses in court, but though we know she is innocent here with the content proper in the makes place and the reference of the limit of the makes place and the reference of the liby realizes that the makes here are the second of the limit of the size of the second of the liby realizes that the makes place and the liby realizes that the makes and the content of the liby realizes that the makes and the content of the liby realizes that the makes and the content of the liby realizes that the makes and the liby realizes that the liby realizes that t

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[CLS] "when you get out of jail , you can kill him." starring ashley judd, tommy ke jones, brace greenwood . rated r . double jeopardy in initial incepts the first last sales one of the year "smost enjoyable in initial incepts the first last sales one of the year "smost enjoyable in it is more more than the sales of the year to there is not a moment here when the events on screen do n 't have a direct bearing on the plot once the film gets going it never stops. If has been branded as the female version of the fugitive and that 's probably a correct assessment of the plot, but the film itself has little in common with the 1995 andrew davis / harrison ford collaboration besides the presence of star tommy lee jones. not even bothering with character introduction , respectively) a seemingly happy married couple, with a son matry, age 4. they go out on a sailboat one night , and after a period of some rockin 'sex', they go to sleep , they are the starting eniose, wakes up and discovers that she is covered with blood. she follows a red trail to the upper deck, where she finds a knife and , out of astonishment , picks it up . a that convenient moment, the coast guard shows up and libby is arrested follows a red trail to the upper dock, where she finds a latific and cut of astonishment picks it up, a that convenient moment, the coact, guard shown ya moul libby is murried be lawyer, a friend, puts up a defense in court, but though we know she is immoved, the evidence against her is is Goommelling, her friend adopts her som and she post to prison, once in prison, she makes a phone call to her friend, her friend gives her son the phone, nick walks in the room. Little marty screams "daddy! "the phone good add libby realizes that the man she is imprisoned for killing is n't even dead. She gets some advice from a prisoner, former lawyer, who tells her that since the state already convicted her of killing her husband, they can't convict her of the same crime again, meaning that when she gets paroded she can kill him and they can n't touch ler, after a weirdly short amount of time, she gets out of parole, she is sent to live at a house with other recent paroless , under the command of parole officer travis lehman (tommy lee jones), she sets out [SEP] (c)

[CLS] " when you get out of jail , you can kill him ." starring ashley judd , tommy lee jones, bruce greenwood . rated r . double joopardy is il luffil jreepost in thillest that s also one of the year 's most enjoyable. ii] is ill uncompromisingly brutal ; beherfully anarchie; hyperactive actioner that has a mission and never diverts from it . there is not a moment here when the events on screen don 't have a direct bearing on the plot ; once the film gets going it never stops . it has been branded as the female version of the flightive and that 's probably a correct assessment of the plot, but the film itself has little in common with the 1993 andrew davis / harrison ford collaboration besides the presence of star tommy lee jones . not even bothering with character introduction , director bruce beresford floors the gas peelal from the get -go and never finds the brake . we meet , rather hastily. Bibly and nich gamoous (ashley judd and bruce greenwood , respectively) a seemingly happy married couple, with a son matty , age 4, they go out on a sailband one night , and after a period of some rockin 'sex', they go to skep-libby hears a strange noise, wakes up and discovers that she is covered with blood . she follows a red trail to the upper deck, where she finds a knife and, out of astonishment, picks it up . at that convenient moment, the coast guard shows up and libby is arrested . her lawyer , a friend , puts was a defense in court, but though we know she is imnocent , the evidence against his the room. Ittle matty screams "daddy!" the phone goes dead roby in the prison of the killing her hands and her goes to first only the refriend gives her son the phone . nick walks in the room. Ittle matty screams "daddy!" the phone goes dead some advice from a prisoner former lawyer , who tells her that since the state already convicted her of killing her husband , they car it 't convict her of the same crime again, meaning that when she gets paroled she can kill him and they can 't 't even dead . she gets some advice f

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Figure 31: A visualization of the results. For methods that rely on a specific class for propagation, we present both the ground-truth and counter-factual results. The rollout method, as well as the raw attention methods, are class-agnostic. Some words are split into multiple tokens by the BERT tokenizer. (a) Ground truth (positive sentiment). Note that the BERT prediction on this sample was mistaken. (b) Our method for the ground truth [GT] class. (c) Our method for the counter-factual [CF] class. (d) Partial LRP for the GT class. (e) Partial LRP for the CF class. (f) GradCAM for the GT class. (g) GradCAM for the CF class. (h) LRP for the GT class. (i) LRP for the CF class. (j) raw-attention. (k) rollout.