

Supplementary Materials: Multi-task Learning of Classification and Generation for Set-structured Data

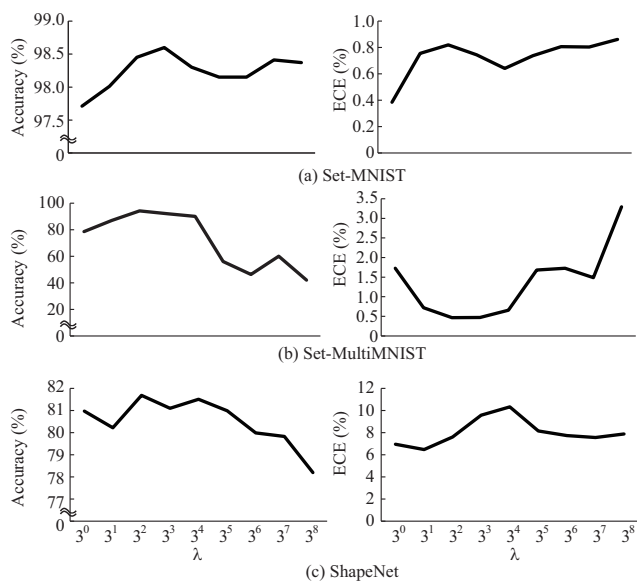


Figure 1. Changes in the performance of the proposed method while varying λ . The horizontal axis is shown on a logarithmic scale with base 3.

A. Impact of the loss balancing weight λ

Fig. 1 shows the changes in the performance of the proposed method while varying λ . Both performance metrics form gentle curves in response to the changes in λ , peaking when λ is between 3^1 to 3^4 . This result suggests the importance of achieving a proper balance between the losses of the discriminative and generative models.