Quality Aware Network for Set to Set Recognition

Yu Liu, Junjie Yan, Wanli Ouyang
SenseTime Group Limited
The University of Sydney

Our code on GitHub

Set to set recognition

Learning Quality without label

WEIGHTED POOLING MECHANISM

Quality learned by QAN

Automatic Quality Learning

Pool all frames for set level representations

QAN weakens the noisy samples and narrows down identities’ variances.

YAML [beauty]

Quality by QAN is similar with, but better than that by human