Regularization techniques



- Transfer learning [Alzubaidi et al., 2020]
- Data Augmentation [Shorten and Khoshgoftaar, 2019] Early stopping
- L1 and L2 regularization
- Batch normalization
- Dropout [Chen et al., 2020b]

decreases the capability of the models to learn complexcommon dependencies

Reduction of the complexity

Architecture enhancement

- Shallow Networks / enhanced networks
- Cosine-CKN [Mohammadnia-Qaraei et al., 2018]
- ConvRFF with Bayes [Wang et al., 2021] ConvRFF Bayes and bypass [Wang et al., 2021]
 - RFF U-Net-like [Jimenez-Castaño et al., 2021]

Lack of semantic segmentation models