

Important modules of segmentation_models:

- Unet
- FPN
- Linknet
- PSPnet
- Pretrained encoders (ResNet, EfficientNet, MobileNet)
- Losses (dice_loss, focal_loss)
- Metrics (IOUScore, FScore)

“Use_batch_norm = True” in Unet architecture adds a BatchNormalization layer after each convolution.

This layer helps:

- Increase stability
- Increase learning rate
- Increase speed convergence
- Improves Dice/ IoU

“Dropout=0.5” in the Unet architecture adds after convolutions in the decoder part. It:

- Acts as regularization
- Is useful when the dataset is small
- Prevents overfitting