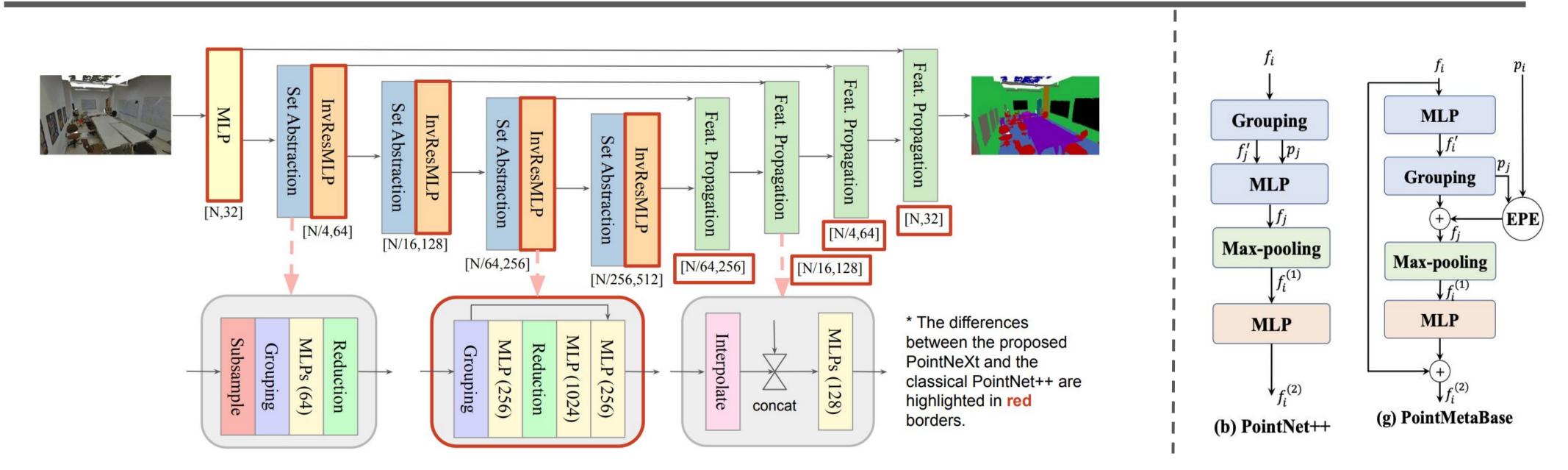
3D Indoor Scene Long Tail Segmentation

Team Il0ve4my

Model Architecture



Settings

- Ir:0.001 Optimizer:AdamW
- Scheduler: Multistep
- Batch Size:4

- Data Augmentation
 - Random Rotate Z-axis (0° ~ 180°)
 - **■** Random Scale (0.8 ~ 1.2)
 - Color Auto Contrast (p = 0.2)
 - Random Drop Feature (p = 0.2)
- Loss Function: Cross Entropy, Focal Loss

$$\mathcal{L}_{focal} = -\sum_{i=1}^{200} \alpha_i (1 - p_i)^{\gamma} \log(p_i)$$

$$\alpha_i = 200 \frac{\frac{1}{r_i}}{\sum_{i=1}^{200} \frac{1}{r_i}} \qquad r_i = \frac{N_i}{\frac{200}{200}} \qquad \gamma = 1$$

Comparison

Submission ID	25	28	32
Score	17.78	24.12	25.10
Description	Focal loss / 160 ep	Cross Entropy / 125 ep	Cross Entropy / 125 ep Focal loss / 3 ep