

# PointCLIP: Point Cloud Understanding by CLIP

关键:

找到2D和3D间的桥梁:

将CLIP用于3D点云理解 (有zero-shot能力, 但是performance不好)

将3D点云做投影, multi-view depth maps

Inter-view Adapter:

从zero-shot改变为few-shot, performance显著提高

实际上就是一个three-layer Multi-layer Perceptron

Multi-knowledge Ensembling

将3D点云数据 (fine-tuning) 和2D image-text pairs数据 (Pre-training) 做为complementary knowledge

Architecture:

