1. 主讲人 杜臣

2. 文章简介:

Cvpr2018 best paper。多任务迁移学习,挖掘不同任务之间的相关性,可以使用少量样本训练,达到较好的效果。

3.具体内容介绍:

该部分详细介绍方法,例如网络结构,损失函数等等(由于本文章我没有详细读,这里仅给出示例,请大家在这部分总结出论文的思想,优势和自己的想法)。

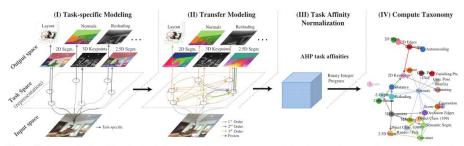


Figure 2: Computational modeling of task relations and creating the taxonomy. From left to right: I. Train task-specific networks. II. Train (first order and higher) transfer functions among tasks in a latent space. III. Get normalized transfer affinities using AHP (Analytic Hierarchy Process). IV. Find global transfer taxonomy using BIP (Binary Integer Program).

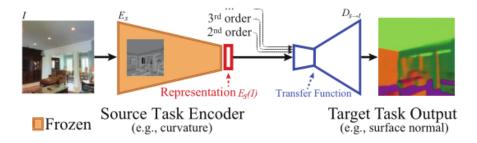


Figure 4: Transfer Function. A small readout function is trained to map representations of source task's frozen encoder to target task's labels. If order> 1, transfer function receives representations from multiple sources.