



Facial Expression Summary

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1 选取网络以及相关参数

网络的选取和相关参数可见如下表格

Table 1: 选取的网络和相关参数

Name	Batch Size	Epoch	Learning Rate	Optimizer	L2 Regularizer
ResNet18					
ResNet34					
GoogleNet					

2 训练结果

2.1 ResNet18

2.1.1 Accuracy and Loss Curve

2.1.2 Confusion Matrix

2.2 ResNet 34

2.2.1 Accuracy and Loss Curve

2.2.2 Confusion Matrix

2.3 GoogleNet

2.3.1 Accuracy and Loss Curve

2.3.2 Confusion Matrix

3 其他平台的结果

3.1 Microsoft

3.2 SenseTime 商汤

3.3 Face++ 旷视

References

- [1] S. Thrun and J. J. Leonard, "Simultaneous localization and mapping in *Mobile and Distributed Robotics*," 37:871-889, 2007.