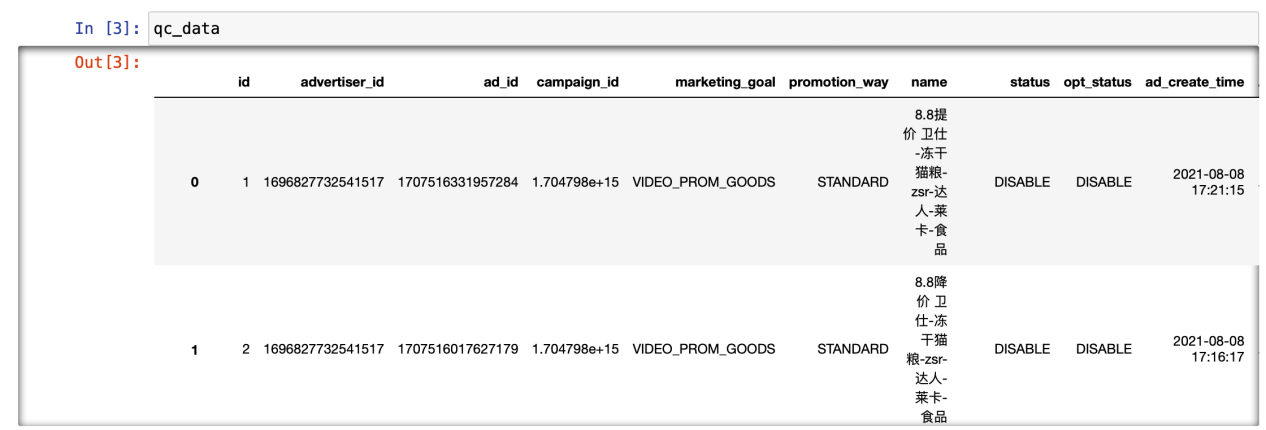
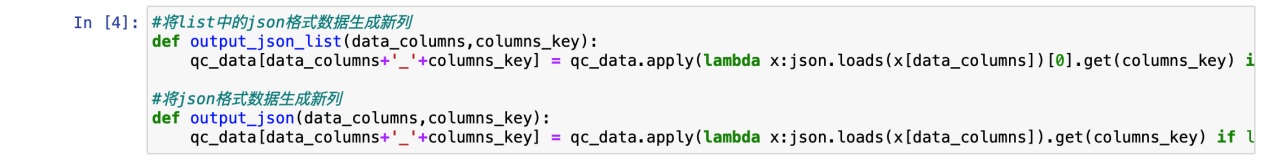
1. 读取数据

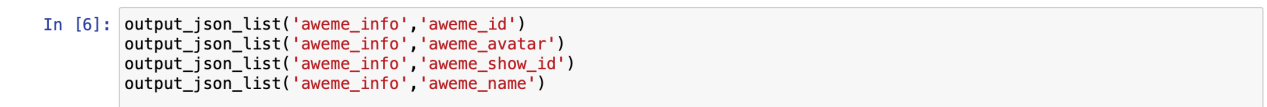
1.1 存储为Dataframe表格

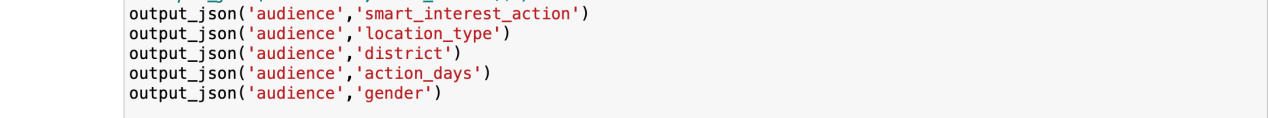


1. 特征生成

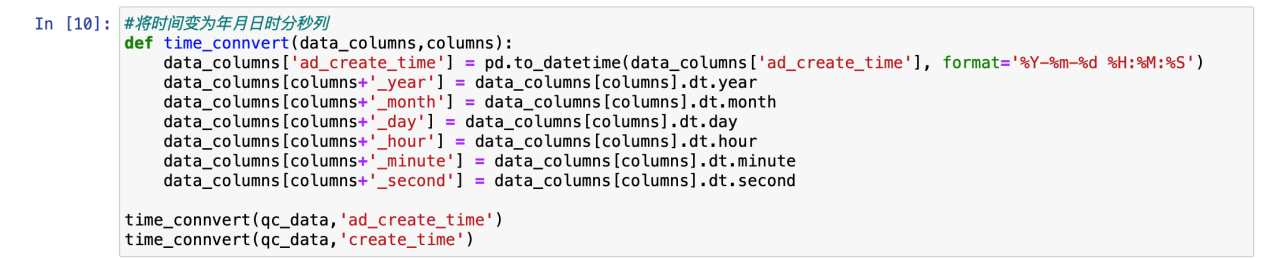
2.1 json格式特征生成新列







2.2 时间特征生成年月日时分秒新列



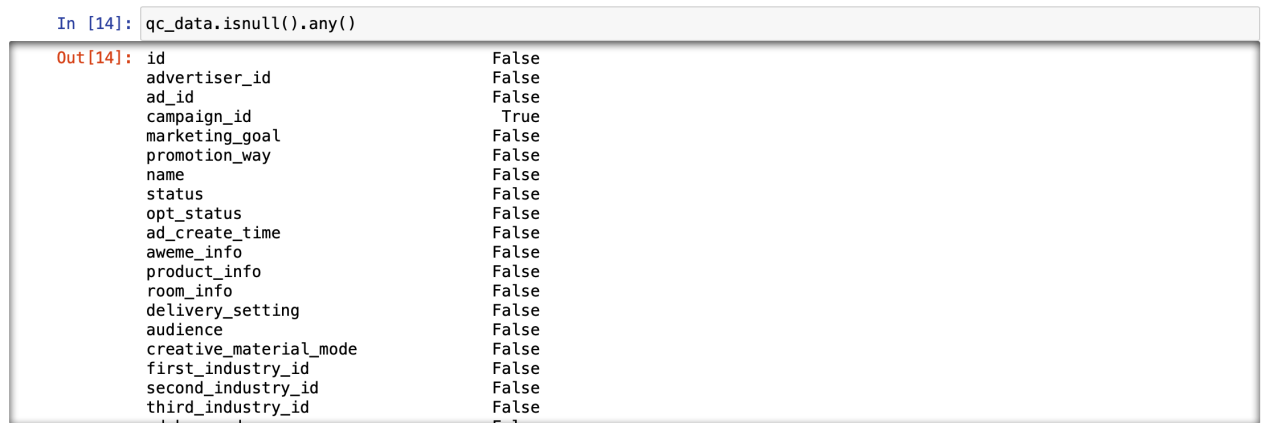
2.3 序号编码

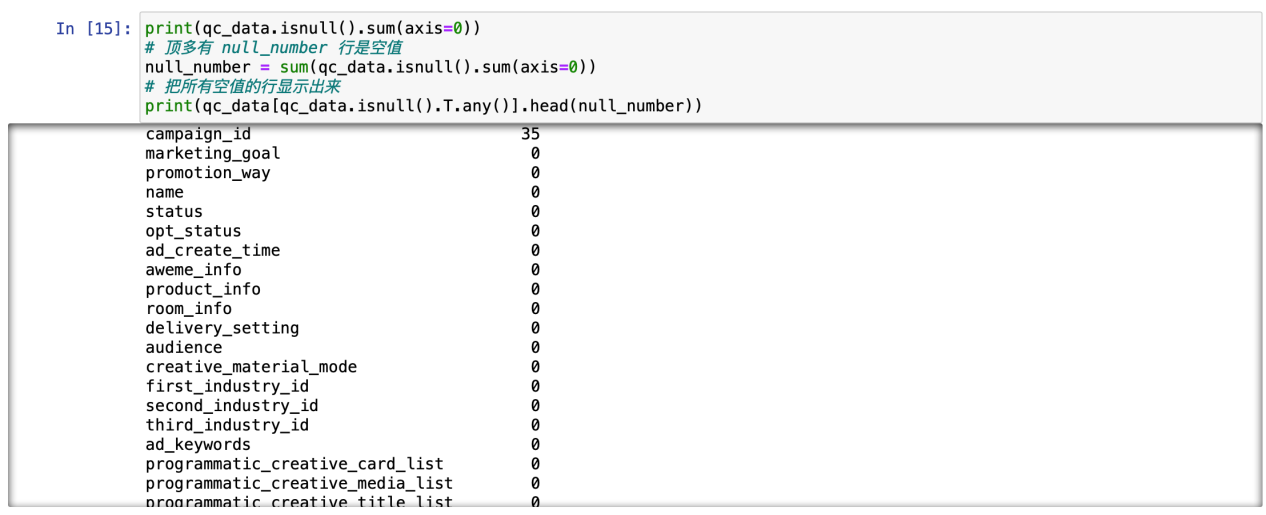


1. 数据预处理

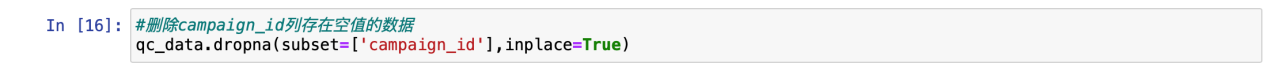
3.1 空值处理

3.1.1 空值查询





3.1.2 删除空值



3.2 class\_id列生成

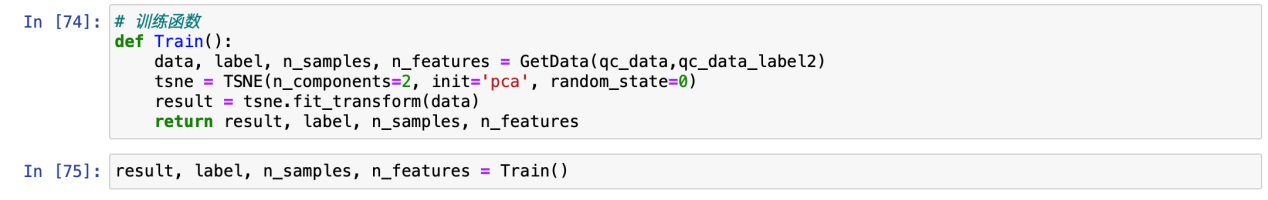


1. 模型训练

4.1 训练所用特征

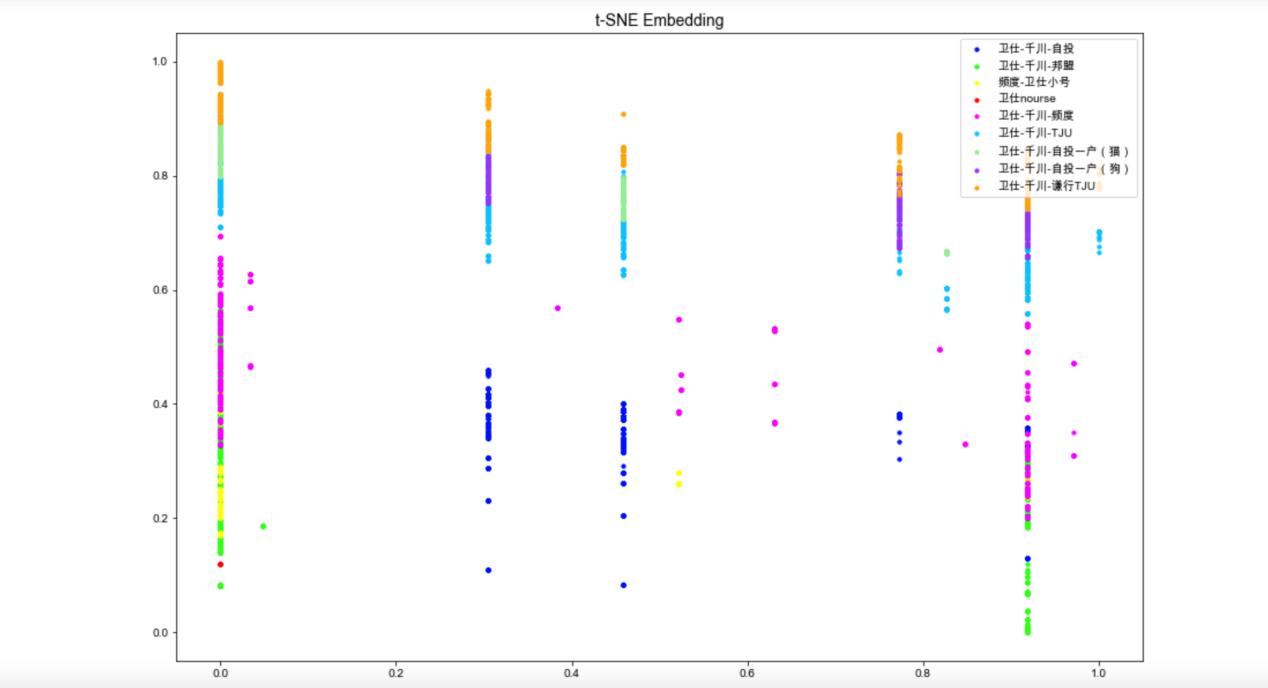


4.2 模型训练

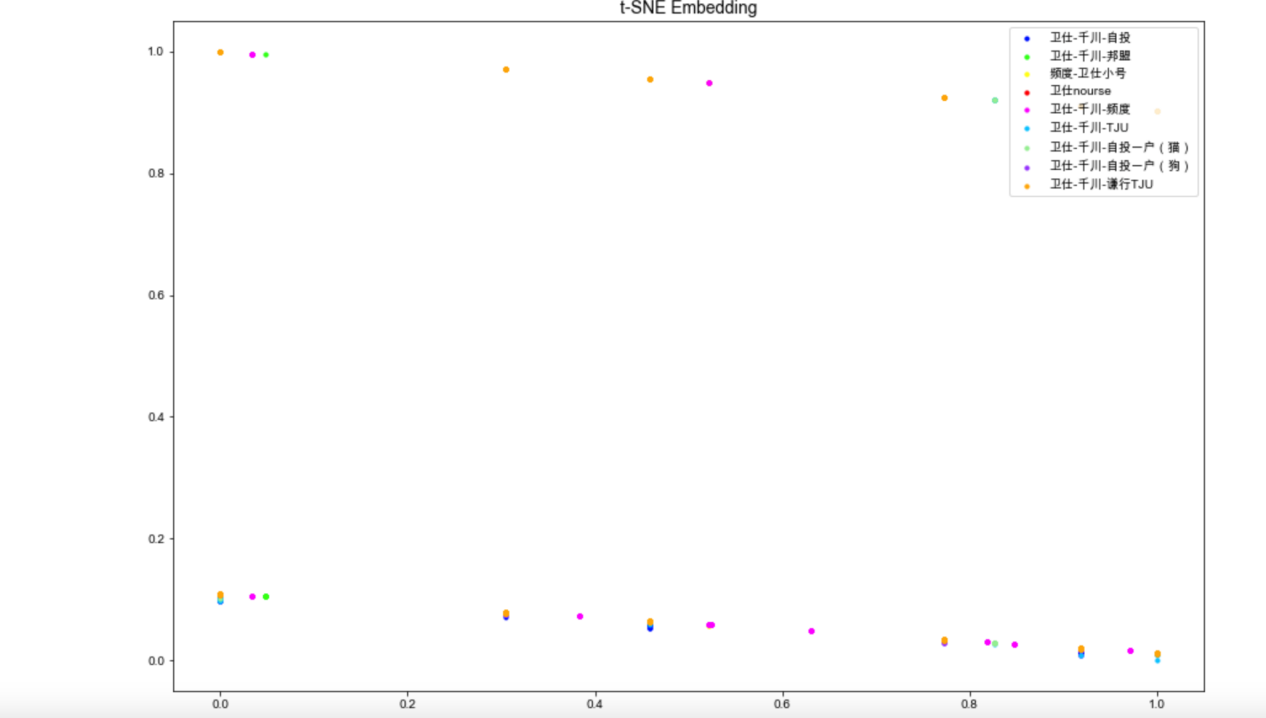


4.3 t-sne图绘制

4.3.1 qc\_data\_label



4.3.2 qc\_data\_label1



4.3.3 qc\_data\_label2

