**Duration与acc的关系研究：**

1.2018年3月8日星期四 16点06分

训练数据集：

* 201408、最活跃3个设备、
* 总Duration[5,3605],按2分钟间隔切分，共30个数据输入文件

训练结果：

除了第1个文件数据有结果，剩下29个文件没有推荐数据结果

发现用户的观看记录大多发生在时延为30min以内，30min后的观看记录占比只有约12%，数据不足导致推荐无法进行或训练无意义。

**冷热频道划分阈值与acc的关系研究：**

2018年3月15日星期四 15点41分

数据为Top100用户

**1.频道二分类阈值**

1-1 无交集划分

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 2% | 2.5% | 3% | 3.5% | 4% | 4.5% |  |
| 热频道训练、测试 |  |  |  |  |  |  |  |
| 冷频道训练、测试 |  |  |  |  |  |  |  |

1-2 并集递进划分

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 4% |  |  |  |  |  |  |
| 热频道训练、测试 |  |  |  |  |  |  |  |
| 热冷混合训练、冷频道测试 |  |  |  |  |  |  |  |

**2.频道三分类阈值**

2-1无交集划分

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 4% |  |  |  |  |  |  |
| 热频道训练、测试 |  |  |  |  |  |  |  |
| 中频道训练、测试 |  |  |  |  |  |  |  |
| 冷频道训练、测试 |  |  |  |  |  |  |  |

2-2并集划分

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |
| 热频道训练、测试 |  |  |  |  |  |  |  |
| 热中频道混合训练、中频道测试 |  |  |  |  |  |  |  |
| 热中冷频道训练、冷频道测试 |  |  |  |  |  |  |  |