1. **算法说明：**

推测第三次可能会报课程

1. **部署方式：**
2. **调用方式：**
   * 1. 根据**课程推荐**预测结果进行查询：

select d.leaf1,d.leaf3,d.english,regexp\_replace(d.steplevel,'Level','') as steplevel from dw.ml\_catalog d where a.nschoolid =1 and c.coursecode = 14879

传入参数：**课程推荐返回的**nschoolid ,coursecode学校id 课程代码。

返回值

|  |  |
| --- | --- |
| 列名 | 中文 |
| leaf1 | 课程一级分类 |
| leaf3 | 课程三级分类 |
| english | 是否是英语 |
| steplevel | 学习阶段 |

* + 1. 接口调用：

|  |  |
| --- | --- |
| 调用方式 | 调用接口 |
| POST | http://xxxx:9000/CoursePredict |

* + 1. 传入json：

生成json内容：

|  |  |  |
| --- | --- | --- |
| 列名 | 中文 | 如果查询为空，请填入如下值 |
| nschoolid | 学校id | 与课程推荐返回json一致 |
| coursecode | 课程代码 | 与课程推荐返回json一致 |
| predictmonth | 预测月份 | （课程推荐返回值+3）%12 |
| birthday | 出生年份 | 与课程推荐返回json一致 |
| gender | 年龄 | 与课程推荐返回json一致 |
| begainmonth | 开始上课时间 | （课程推荐返回值predictmonth 字段+1）%12 |
| endmonth | 结束时间 | （课程推荐返回值predictmonth 字段+2）%12 |
| nlesson | 课程数量 | 与课程推荐返回json一致 |
| nnormalcount | 班级总人数 | 与课程推荐返回json一致 |
| bvip | 是否是VIP | 与课程推荐返回json一致 |
| bIsResideClass | 是否住宿 | 与课程推荐返回json一致 |
| leaf1 | 课程一级分类 | 查询返回值leaf1 |
| leaf3 | 课程三级分类 | 查询返回值leaf3 |
| english | 是否是英语 | 查询返回值english |
| steplevel | 学习阶段 | 查询返回值steplevel |
| Enrollmonth | 报名月份 | （课程推荐返回值predictmonth 字段）%12 |
| sstudentcode | 学生code | 与课程推荐返回json一致 |
| sAreaCode | 校区代码 | 与课程推荐返回json一致 |
| sclasstime | 上课时段 | 与课程推荐返回json一致 |
| bvalid | 是否退班 | 与课程推荐返回json一致 |

示例：

[{"nschoolid":1,"coursecode":10982,"predictmonth":11,"birthday":1901,"gender":1,"begainmonth":9,"endmonth":12,"nlesson":30,"nnormalcount":35,"bvip":0,"bIsResideClass":0,"leaf1":1000604,"leaf3":414,"english":0,"steplevel":5,"Enrollmonth":8,"sstudentcode":"BJ1224383","sAreaCode":"ARBJ108","sclasstime":"17","bvalid":1},{"nschoolid":1,"coursecode":10982,"predictmonth":1,"birthday":1900,"gender":1,"begainmonth":9,"endmonth":12,"nlesson":30,"nnormalcount":35,"bvip":0,"bIsResideClass":0,"leaf1":1000604,"leaf3":414,"english":0,"steplevel":5,"Enrollmonth":8,"sstudentcode":"BJ2330939","sAreaCode":"ARBJ108","sclasstime":"17","bvalid":1}]

* + 1. 接收结果：

示例：

Status=0,处理失败，msg显示失败原因。Data为null

Status=1,处理成功，msg为null,data 显示结果

成功：

{"data": "[{\"nschoolid\":1,\"coursecode\":10982,\"predictmonth\":11,\"birthday\":1901,\"gender\":1,\"begainmonth\":9,\"endmonth\":12,\"nlesson\":30,\"nnormalcount\":35,\"bvip\":0,\"bIsResideClass\":0,\"leaf1\":1000604,\"leaf3\":414,\"english\":0,\"steplevel\":5,\"Enrollmonth\":8,\"school\_area\":195,\"result\":\"11178:1.0,10002:0.0,10004:0.0,10005:0.0,10006:0.0\"},{\"nschoolid\":1,\"coursecode\":10982,\"predictmonth\":1,\"birthday\":1900,\"gender\":1,\"begainmonth\":9,\"endmonth\":12,\"nlesson\":30,\"nnormalcount\":35,\"bvip\":0,\"bIsResideClass\":0,\"leaf1\":1000604,\"leaf3\":414,\"english\":0,\"steplevel\":5,\"Enrollmonth\":8,\"school\_area\":195,\"result\":\"11045:1.0,10002:0.0,10004:0.0,10005:0.0,10006:0.0\"}]", "msg": null, "status": 1}

失败：

{"data": null, "msg": "系统异常division by zero", "status": 0}