

服务外包大赛资料（对外）

1, 设备状态检测接口:

http://sp10.xuelangyun.com:30080/55645/state_monitoring

发送

```
{"data":{"device_id":"001"}}
```

返回

```
{  
  "success": true,  
  "id": "59ebe070-71ea-11ed-ac11-05407c1c3d14",  
  "data": "{\"state\":\"normal\"}"  
}
```

2, 生产时间表数据Excel:

(注意: 只有deleteflag=0的数据是有效的, calenderdate字段为生产日期)

| | calendar | createuse | creat edat | modi fyuse | modi fydat | del et ef lag | |
|----|----------|-----------|------------|------------|------------|---------------|--|
| 0 | ##### | 167266 | ##### | 307369 | ##### | 0 | |
| 1 | ##### | 167266 | ##### | 307369 | ##### | 0 | |
| 2 | ##### | 167266 | ##### | 307369 | ##### | 1 | |
| 3 | ##### | 167266 | ##### | 307369 | ##### | 1 | |
| 4 | ##### | 167266 | ##### | 307369 | ##### | 1 | |
| 5 | ##### | 167266 | ##### | 307369 | ##### | 0 | |
| 6 | ##### | 167266 | ##### | 307369 | ##### | 1 | |
| 7 | ##### | 167266 | ##### | 307369 | ##### | 0 | |
| 8 | ##### | 167266 | ##### | 307369 | ##### | 1 | |
| 9 | ##### | 167266 | ##### | 307369 | ##### | 1 | |
| 10 | ##### | 167266 | ##### | 307369 | ##### | 1 | |
| 11 | ##### | 167266 | ##### | 307369 | ##### | 1 | |
| 12 | ##### | 167266 | ##### | 307369 | ##### | 0 | |
| 13 | ##### | 167266 | ##### | 307369 | ##### | 0 | |
| 14 | ##### | 167266 | ##### | 307369 | ##### | 1 | |
| 15 | ##### | 167266 | ##### | 307369 | ##### | 1 | |
| 16 | ##### | 167266 | ##### | 307369 | ##### | 1 | |
| 17 | ##### | 167266 | ##### | 307369 | ##### | 0 | |
| 18 | ##### | 167266 | ##### | 307369 | ##### | 1 | |
| 19 | ##### | 167266 | ##### | 307369 | ##### | 1 | |

上面是csv文件，下面是xlsx文件：

| | calendar | createuser | createdate | modifyuser | modifydate | deleteflag | | |
|----|----------|------------|------------|------------|------------|------------|--|--|
| 0 | ##### | 167266 | ##### | 307369 | ##### | 0 | | |
| 1 | ##### | 167266 | ##### | 307369 | ##### | 0 | | |
| 2 | ##### | 167266 | ##### | 307369 | ##### | 1 | | |
| 3 | ##### | 167266 | ##### | 307369 | ##### | 1 | | |
| 4 | ##### | 167266 | ##### | 307369 | ##### | 1 | | |
| 5 | ##### | 167266 | ##### | 307369 | ##### | 0 | | |
| 6 | ##### | 167266 | ##### | 307369 | ##### | 1 | | |
| 7 | ##### | 167266 | ##### | 307369 | ##### | 0 | | |
| 8 | ##### | 167266 | ##### | 307369 | ##### | 1 | | |
| 9 | ##### | 167266 | ##### | 307369 | ##### | 1 | | |
| 10 | ##### | 167266 | ##### | 307369 | ##### | 1 | | |
| 11 | ##### | 167266 | ##### | 307369 | ##### | 1 | | |
| 12 | ##### | 167266 | ##### | 307369 | ##### | 0 | | |
| 13 | ##### | 167266 | ##### | 307369 | ##### | 0 | | |
| 14 | ##### | 167266 | ##### | 307369 | ##### | 1 | | |
| 15 | ##### | 167266 | ##### | 307369 | ##### | 1 | | |
| 16 | ##### | 167266 | ##### | 307369 | ##### | 1 | | |
| 17 | ##### | 167266 | ##### | 307369 | ##### | 0 | | |
| 18 | ##### | 167266 | ##### | 307369 | ##### | 1 | | |

📎 生产日历.xlsx

3，车间环境接口：

http://sp10.xuelangyun.com:30080/55645/information_get

发送

```
{"data":{"workshop_id":"001"}}
```

返回

```
{  
  "success": true,  
  "id": "94c15ea0-71ea-11ed-ac11-05407c1c3d14",  
  "data": "{\"temperature\": \"25\", \"humidity\": \"100\", \"enthalpy\": \"100\"}"  
}
```

4，模型训练的数据：

csv：

| | temperatu | humidity | enthalpy | prediction | | | | |
|----|-----------|----------|----------|------------|--|--|--|--|
| 0 | 39.1 | 74.8 | 1963.3 | 105.1938 | | | | |
| 1 | 2.7 | 70.3 | 1763.7 | 109.3684 | | | | |
| 2 | 31.2 | 37.2 | 982.9 | 88.09179 | | | | |
| 3 | 25.8 | 74.1 | 1913.7 | 79.51009 | | | | |
| 4 | 1 | 55.2 | 1382 | 101.8593 | | | | |
| 5 | 5.4 | 38.4 | 969.3 | 97.20218 | | | | |
| 6 | 20.1 | 62.7 | 1611 | 76.18772 | | | | |
| 7 | 14.4 | 28.8 | 742.2 | 66.63622 | | | | |
| 8 | 3.8 | 24 | 605.5 | 91.8856 | | | | |
| 9 | 18.6 | 64.8 | 1661 | 73.30218 | | | | |
| 10 | 40.3 | 51.6 | 1369 | 109.8044 | | | | |
| 11 | 36 | 76.3 | 1994.4 | 100.7824 | | | | |
| 12 | 0.3 | 56.3 | 1408.1 | 100.4563 | | | | |
| 13 | 34.7 | 62.5 | 1637.5 | 98.2607 | | | | |
| 14 | 34.1 | 21.5 | 585.4 | 99.11891 | | | | |
| 15 | 11.2 | 76.5 | 1939.6 | 88.74521 | | | | |
| 16 | 45.3 | 58.3 | 1551.8 | 113.7344 | | | | |
| 17 | 14 | 28.8 | 741.6 | 77.47643 | | | | |
| 18 | 9.7 | 79.1 | 2001.4 | 99.30432 | | | | |
| 19 | 17.8 | 27.1 | 719.6 | 114.262 | | | | |

📎历史数据-训练用.csv

xlsx:

| | temperatu | humidity | enthalpy | prediction | | | | |
|----|-----------|----------|----------|------------|--|--|--|--|
| 0 | 39.1 | 74.8 | 1963.3 | 105.1938 | | | | |
| 1 | 2.7 | 70.3 | 1763.7 | 109.3684 | | | | |
| 2 | 31.2 | 37.2 | 982.9 | 88.09179 | | | | |
| 3 | 25.8 | 74.1 | 1913.7 | 79.51009 | | | | |
| 4 | 1 | 55.2 | 1382 | 101.8593 | | | | |
| 5 | 5.4 | 38.4 | 969.3 | 97.20218 | | | | |
| 6 | 20.1 | 62.7 | 1611 | 76.18772 | | | | |
| 7 | 14.4 | 28.8 | 742.2 | 66.63622 | | | | |
| 8 | 3.8 | 24 | 605.5 | 91.8856 | | | | |
| 9 | 18.6 | 64.8 | 1661 | 73.30218 | | | | |
| 10 | 40.3 | 51.6 | 1369 | 109.8044 | | | | |
| 11 | 36 | 76.3 | 1994.4 | 100.7824 | | | | |
| 12 | 0.3 | 56.3 | 1408.1 | 100.4563 | | | | |
| 13 | 34.7 | 62.5 | 1637.5 | 98.2607 | | | | |
| 14 | 34.1 | 21.5 | 585.4 | 99.11891 | | | | |
| 15 | 11.2 | 76.5 | 1939.6 | 88.74521 | | | | |
| 16 | 45.3 | 58.3 | 1551.8 | 113.7344 | | | | |
| 17 | 14 | 28.8 | 741.6 | 77.47643 | | | | |
| 18 | 9.7 | 79.1 | 2001.4 | 99.30432 | | | | |
| 19 | 17.8 | 27.1 | 719.6 | 114.262 | | | | |

📎历史数据-训练用.xlsx

5, 最后测试模型的数据:

csv:

| | temperatu | humidity | enthalpy | | | | |
|-----|-----------|----------|----------|--|--|--|--|
| 800 | 43 | 26.6 | 729.5 | | | | |
| 801 | 48.6 | 58 | 1551 | | | | |
| 802 | 17.6 | 44.6 | 1147.2 | | | | |
| 803 | 32.1 | 44.9 | 1181.4 | | | | |
| 804 | 14.6 | 43.9 | 1124 | | | | |
| 805 | 23.1 | 28.1 | 737.8 | | | | |
| 806 | 10.5 | 41.3 | 1051.1 | | | | |
| 807 | 29.2 | 53.2 | 1388.1 | | | | |
| 808 | 22.7 | 57.8 | 1492.1 | | | | |
| 809 | 5.9 | 69.3 | 1746 | | | | |
| 810 | 5.6 | 59.1 | 1489.2 | | | | |
| 811 | 16.6 | 32.9 | 849.3 | | | | |
| 812 | 38 | 62.1 | 1634.3 | | | | |
| 813 | 32.4 | 40.5 | 1069.4 | | | | |
| 814 | 18.8 | 70.5 | 1805.9 | | | | |
| 815 | 30.9 | 29.1 | 775.3 | | | | |
| 816 | 25.1 | 72.1 | 1861.1 | | | | |
| 817 | 41.9 | 47.6 | 1269 | | | | |
| 818 | 40.5 | 45.4 | 1209.7 | | | | |
| 819 | 36 | 47.5 | 1255.2 | | | | |

📎历史数据-测试用.csv

xlsx:

| | temperatu | humidity | enthalpy | | | | |
|-----|-----------|----------|----------|--|--|--|--|
| 800 | 43 | 26.6 | 729.5 | | | | |
| 801 | 48.6 | 58 | 1551 | | | | |
| 802 | 17.6 | 44.6 | 1147.2 | | | | |
| 803 | 32.1 | 44.9 | 1181.4 | | | | |
| 804 | 14.6 | 43.9 | 1124 | | | | |
| 805 | 23.1 | 28.1 | 737.8 | | | | |
| 806 | 10.5 | 41.3 | 1051.1 | | | | |
| 807 | 29.2 | 53.2 | 1388.1 | | | | |
| 808 | 22.7 | 57.8 | 1492.1 | | | | |
| 809 | 5.9 | 69.3 | 1746 | | | | |
| 810 | 5.6 | 59.1 | 1489.2 | | | | |
| 811 | 16.6 | 32.9 | 849.3 | | | | |
| 812 | 38 | 62.1 | 1634.3 | | | | |
| 813 | 32.4 | 40.5 | 1069.4 | | | | |
| 814 | 18.8 | 70.5 | 1805.9 | | | | |
| 815 | 30.9 | 29.1 | 775.3 | | | | |
| 816 | 25.1 | 72.1 | 1861.1 | | | | |
| 817 | 41.9 | 47.6 | 1269 | | | | |
| 818 | 40.5 | 45.4 | 1209.7 | | | | |
| 819 | 36 | 47.5 | 1255.2 | | | | |

📎历史数据-测试用.xlsx

6，共工操作手册：

[目共工产品用户手册](#)

7，算盘操作手册：

雪浪算盘总体的帮助文档可见：[雪浪算盘帮助中心](#) | [雪浪算盘帮助中心](#)，在此首页可在搜索框中检索关键字。

- 雪浪云注册及雪浪算盘登录使用：[开始使用雪浪算盘](#) | [雪浪算盘帮助中心](#)（注：参赛选手请使用公有云环境）
- 【主要关注】机器学习组件案例集：[机器学习组件](#) | [雪浪算盘帮助中心](#)