# 一、统一数据格式

实车数据集 log1

dataframe

```
1  time    can_id  length data0 data1 data2 data3 data4 data5 data6 data7
     data_in_binary data_in_hex   anormal
```

图片更加形象：最终用的dataframe数据格式如下：

| time | can_id | length | data0 | data1 | data2 | data3 | data4 | data5 | data6 | data7 | data_in_binary | data_in_hex | anormal |
|------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|-------------|---------|

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | time | can_id | length | data0 | data1 | data2 | data3 | data4 | data5 | data6 | data7 | data_in_t | data_in_l | anormal |
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# 二、github创建一个项目

# 三、数据域规则格式

注意传感器的范围需要一个表

```
1      checksum_tag = 0
2      sensor_tag = 1
3      const_tag = 2
4      counter_tag = 3
5      multi_value_tag = 4
6      no_meaning_tag = 5
```

| can_id | start_bit | end_bit | type | value_range |
|---|---|---|---|---|
| 19B | 2 | 19 | 0 | [223752] |
| | 51 | 55 | 0 | [0] |
| | 32 | 34 | 0 | [3] |
| | 44 | 46 | 0 | [0] |
| | 48 | 48 | 0 | [0] |
| | 20 | 26 | 1 | [67, 60, 58, 63, 64, 65, 62, 66, 59, 61, 57] |
| | 56 | 63 | 3 | [0, 255] |
| | 37 | 43 | 3 | [0, 127] |
| | 27 | 31 | 3 | [0, 31, 梯度] |
| | 0 | 1 | 4 | [] |
| | 35 | 36 | 4 | [] |
| | 49 | 50 | 4 | [] |
| | 47 | 47 | 4 | [] |