Weilin Lu

Assign 7 Normality

Q1

This stock stared it first trading date was 2018.3.28

2018.3.28-2019.3.26

Positive : 125 50%

Negative : 125 50%

2018.3.27-2019.3.26

Positive : 120 47%

Negative : 133 53%

2018.3.28-2019.3.27

Positive : 130 52%

Negative : 122 48%

2018.3.28-2019.3.27

Positive : 117 47%

Negative : 133 53%

Q2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year | Trading days | Mean | % date < mean | % date > mean |
| 2018-19 | 250 | -0.017580028 | 121(48%) | 129(52%) |
| 2019-20 | 253 | 0.007252945 | 133(53%) | 120(47%) |
| 2020-21 | 252 | -0.120567615 | 112(44%) | 140(56%) |
| 2021-22 | 250 | 0.001385222 | 135(54%) | 117(46%) |

2018-19 and 2020-21 have more date bigger than mean

2019-20 and 2021-22 have more date smaller than mean

It is change from year to year

Q3 & Q4

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Year | Trading days | Mean | STD | % date < mean-2std | % date < mean+2std |
| 2018-19 | 250 | -0.017580028 | 0.650383767 | 242(97%) | 8(3%) |
| 2019-20 | 253 | 0.007252945 | 0.532755263 | 245(97%) | 8(3%) |
| 2020-21 | 252 | -0.120567615 | 3.337032991 | 246(98%) | 6(2%) |
| 2021-22 | 250 | 0.001385222 | 2.567428225 | 246(98%) | 6(2%) |

For all years, it have more dates smaller than mean-2std. It seems like this stock has a huge wave of price increase and decrease