**Assignment 9 Trend Change**

## **1. take years 1 and 2. For each month, compute the ”candidate” days and decide whether there is a significant change of pricing trend in each month. Use 0.1 as critical value.**

Year 1

| Month | number of Candidate days |
| --- | --- |
| 2020/10 | 2 |
| 2020/11 | 2 |
| 2020/12 | 2 |
| 2021/1 | 3 |
| 2021/2 | 2 |
| 2021/3 | 6 |
| 2021/4 | 1 |
| 2021/5 | 1 |
| 2021/6 | 1 |
| 2021/7 | 3 |
| 2021/8 | 0 |
| 2021/9 | 0 |

Year 2

| Month | number of Candidate days |
| --- | --- |
| 2021/10 | 3 |
| 2021/11 | 1 |
| 2021/12 | 4 |
| 2022/1 | 5 |
| 2022/2 | 3 |
| 2022/3 | 3 |
| 2022/4 | 3 |
| 2022/5 | 8 |
| 2022/6 | 6 |
| 2022/7 | 4 |
| 2022/8 | 3 |
| 2022/9 | 2 |

For my stock is the candidate days more than 3 days, we can say that it is the significant change of pricing trend of this month. So we can see that March 2021 experienced a significant change in the Year 2020/10-2021/9.

And in the Year 2021/10-2022/9, December 2021, January 2022, May 2022, June 2022, and July 2022 experienced a significant change

## **2. how many months exhibit significant price changes for your stock ticker.**

For my stock is the candidate days more than 3 days, we can say that it is the significant change of pricing trend of this month.

So,

For 2020/10-2021/9, there is 1 month that experienced a significant change; for 2021/10-2022/9, there are 5 months that experienced a significant change

## **3. are there more ”changes” in year 1 or in year 2?**

Yes, Year 2 has more “changes”.