1. **For how many stocks was the null hypothesis accepted.**

The null hypothesis that the mean daily stock return is zero was accepted for every stock tested except AAPL considering a p-value of 0.05 in the two tail test (inequality). Also all t stats except apple were between criticals Ts in the two tail test.

1. **Given that you drew the stocks randomly from the index constituents, is it possible to extrapolate the behavior of the index (in terms of the null hypothesis) from the average results obtained from analyzing the stocks?**

We cannot reject the null hypothesis for each stock individually (Apple was the exception) and we cannot reject the null hypothesis for the index. I ran the same test considering the medium daily returns of the 10 stocks and we also could not reject the null hypothesis that the mean daily stock return of the ten shares is zero. So in some sense it is possible to extrapolate. But that will always depend on the random selected stocks and also on the number of the selected stocks. As N increases we cannot reject the null hypothesis with a higher degree of confidence.