Excel Task

1. Open Excel file called Share Prices.
2. Split the **date column** into separate days, months and years columns.
3. Compute **simple returns** using the following formula: $R=\frac{(P\_{t}-P\_{t-1})}{P\_{t-1}}$
4. Calculate **average** and **median** for each company’s returns.
5. Calculate **variance** for each company’s returns using the inbuilt Excel function. For Tesla, you also need to ‘manually’ compute variance by performing a series of operations prescribed by the following formula: $var=\frac{\sum\_{i-1}^{N}\left(x\_{i}-\overbar{x}\right)^{2}}{N}$

***You must use cell references and Excel formulas/functions to perform all the operations!***

1. Follow instructions below to format the table:
2. Show all numbers in the returns table with **two decimals.**
3. Fill the cells corresponding to the headings of the columns in a colour of your choice.
4. Format all column headings in **bold**.
5. Sort the table of returns according to the returns of Apple in **ascending** order.
6. On a new sheet, insert a **scatter plot** with Apple returns on the x axis and Tesla returns on the y axis. Label the axes accordingly. Draw a trend line through the obtained points. Name the sheet ‘Scatter Plot’.
7. Using the **if** function, add a column next to returns of Airbus stating ‘negative’ if returns are less than zero and ‘positive’ if the returns are above zero.
8. Save the workbook as Excel Pretest\_lastname where “lastname” is replaced by **your own** last name. Submit by uploading to MyCourses.