

Seminar MAA321: Peer Review Group D

1. Summary of the project:

Olga applied several of the MATLAB tools, as well as theory learned throughout the course MMA321 to develop a User Interface that aims to calculate and plot several statistics from a stock chosen by the user from a pre-selection of different assets. More specifically, it allows the user to calculate the stock's mean, standard deviation, and volatility; as well as plotting the *stock's return* probability distribution function, cumulative distribution function, Log returns, histogram fit and QQ-Plot. The presentation of the project was done by running the UI's app from MATLAB and describing the figures shown in it; additionally, Olga read through the app's code while explaining the way it was written.

We believe that the project undertaken by Olga was bold and interesting as it focused on a wide variety of tools and theory discussed in class; unfortunately, her code did not seem to work as intended during her presentation since the data for each different stock chosen by the user appeared to be the same for all the options (and clearly they should not be the same); and after running the code on our end, this error was consistent in every tryout. Further, it would have been helpful for the eye of the viewer to have the showing of the UI accompanied by a few PowerPoint slides (or similar) to show more specifically which tools and theory were implemented.

2. Remark:

Major issue: Code does not work as intended and should be revisited.

Minor issue: The addition of other tickers would make the app more practical and handy for the user. A recommendation would be to allow the user to import the data from their own file/s. Furthermore, selecting a range of data (such as number of days or years) would be of convenience for the user experience.

3. Other points:

As mentioned above; the UI app idea was really bold and we enjoyed the track Olga took for her seminar project. We also believe that the presentation was done at a really good pace for everyone to follow, and that her tone of voice and speech were clear and concise at the moment of guiding the viewers through the MATLAB code.