

Lab 07

Link to Online Google Presentation:

https://docs.google.com/presentation/d/1CgPyYGC0rfKuXdj_Y4CPH0s_ijklxMHCcswVjQTggSWI/edit#slide=id.ge63b598_1_0

readme.txt

Contributions

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Honour code

We pledge on our honour that we have not used any kind of unauthorized assistance in this assignment or before

References

- <http://stackoverflow.com/questions/19498568/awk-run-on-all-files-in-directory-treating-each-separately>
- <http://stackoverflow.com/questions/2471884/histogram-using-gnuplot>
- <http://stackoverflow.com/questions/20839788/gnuplot-plot-data-file-simple-x-and-y-columns-setting-suitable-color-and-s>

for finding average of bonds, international, stocks using script.

What we have done

- **Downloading data**
First we downloaded the data from sir's folder **using the script "Download.sh"**
- **Hierarchy structure of directory**
Individual -> bonds , international, stocks
- using this hierarchy structure we created average **"bonds.txt"**, **"international.txt"**, **"stocks.txt"** for storing the average of the companies and stored the names in **"file.txt"**
for this we need to run the script "avg.sh"
- We created Overall.txt which has four columns that are avg_bonds, avg_international, avg_stocks, company name in this order
for this we need to run the script "overall maker.sh"

Describing plots in short:

Plots Created and there importance:

1. **“clustered.png”**: Average data of each company for a particular field can be compared.
2. **“rowstacked.png”**: Overall performance of each company can be compared.
3. **“combined_bonds.png”**: Histogram for combined bonds data , enables us to comment on which values are more frequently occuring.
4. **“combined_international.png”** : Histogram for combined international data.
5. **“combined_stocks”**: Histogram for combined stocks data.

6. **“bluechip1.png”**: Value plots for all the blueChip companies with standard deviations.
7. **“ancient1.png”**: Value plots for all the Ancient companies with standard deviations.
8. **“new1.png”**: Value plots for all the dotCom companies with standard deviations.
9. **“comparison.png”**: Stacked Bar graph for companies belonging each category.