

Stock Heatmap with Tableau

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Project overview

1. Importing stock information into a table
2. Importing table into Tableau
3. Setting up data in Tableau
4. Presenting dashboard

1. Importing stock information into a table

First we select which stocks we want to follow and note which are their tickers and also choose a time range to consider, in this example we will follow a total of 13 stocks from different industries. Working with the `GOOGLEFINANCE` function we fetch the data and set it in a table which we then download the file.

Ticker	Date	Open	High	Low	Close	Volume	Marketcap	Industry
GOOG	31/08/2021 16:00:00	2917,69	2922,24	2900	2909,24	1337821	194211562 1353	Technolo gy
AAPL	31/08/2021 16:00:00	152,66	152,8	151,29	151,83	8645311 7	252101461 0797	Technolo gy
MSFT	31/08/2021 16:00:00	304,42	304,5	301,5	301,88	2628533 8	226821944 9622	Technolo gy
AMZN	31/08/2021 16:00:00	3424,8	3472,58	3395,59	3470,79	4356413	176190684 7400	Technolo gy
FB	31/08/2021 16:00:00	379,95	382,76	378,8	379,38	1234535 0	107716892 7832	Technolo gy
GS	31/08/2021 16:00:00	412,11	414,86	408,76	413,51	1958083	139443711 718	Finance
JPM	31/08/2021 16:00:00	160,44	161,37	159,35	159,95	1234083 8	477268120 247	Finance
MS	31/08/2021 16:00:00	104,27	104,71	103,37	104,43	7215132	190319953 455	Finance
WFC	31/08/2021 16:00:00	48,41	48,99	45,21	45,7	7351427 6	178423474 182	Finance
JNJ	31/08/2021 16:00:00	173,49	174,49	172,48	173,13	7106790	457367263 400	Medicine
PFE	31/08/2021 16:00:00	46,72	47,14	45,93	46,07	3454783 3	258131966 693	Medicine
GILD	31/08/2021	72,19	72,83	71,84	72,78	7564552	901112562	Medicine

	16:00:00						73	
BIIB	31/08/2021 16:00:00	344,62	345,61	337,9	338,91	984416	504090557 60	Medicine

2. Importing table into Tableau

For this step we simply use the import file feature within Tableau and choose our file containing the table.

3. Setting up data in Tableau

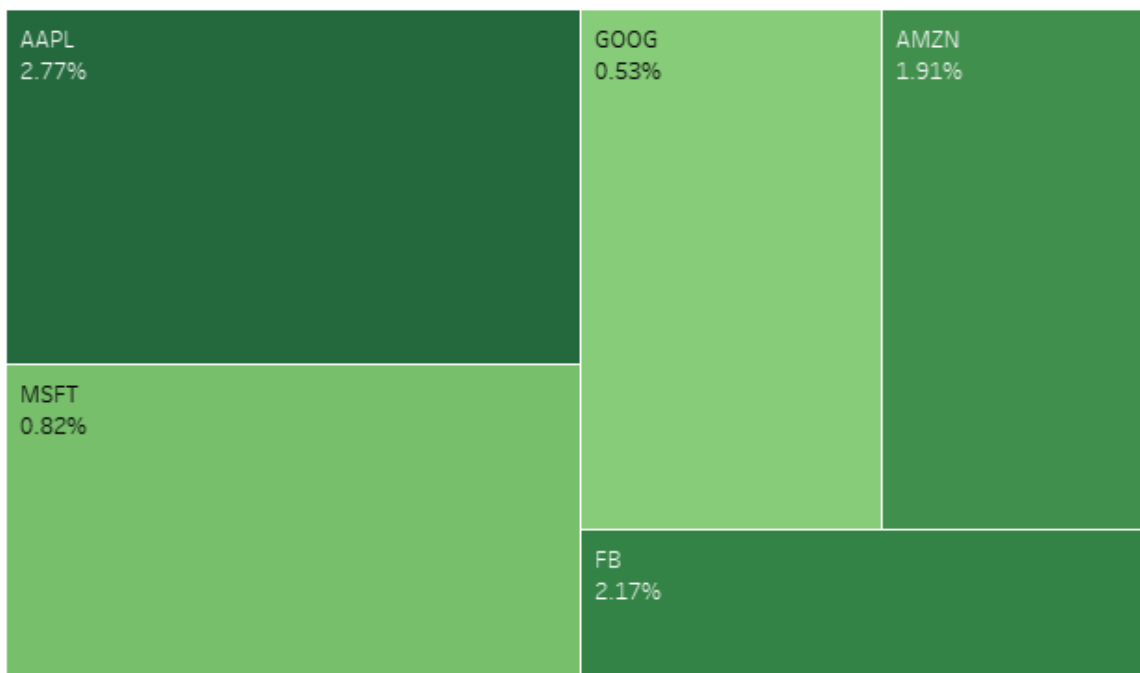
Once the file is imported we can simply drag and drop the data from the table into the columns, rows, filters and choose the type of graphic desired. Do a separate sheet for each industry and then create a dashboard and add all the desired elements to it.

4. Presenting Dashboard

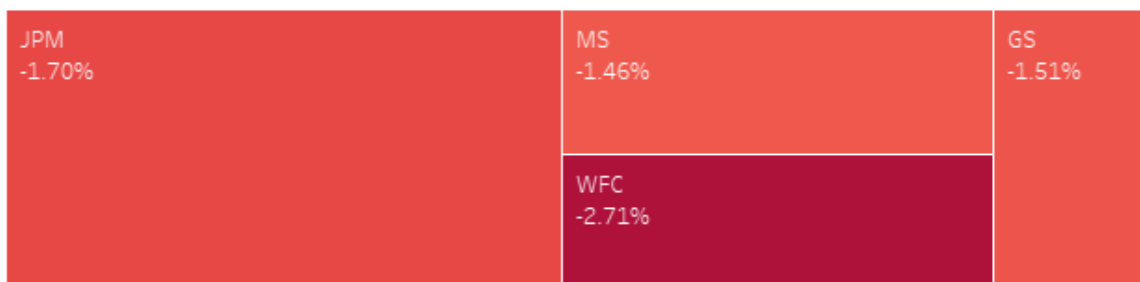
Original can be view on Tableau Public through the link:

https://public.tableau.com/views/StockHeatmap_16305516478500/Dashboard1?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link

Technology



Finance



Medicine

