YAHOO FINANCE PROJECT PYTHON

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GOALS AND CHALLENGES

- Download data from Yahoo Finance of 5 companies in Technology sector
- Chose a period of time: beginning of Covid 15th February 2020 to 15th of April 2020
- Organize in data frames
- Add some sales forecasting for 2021 and financial ratio
- Capture the best of data
- Visualize with Bokeh library



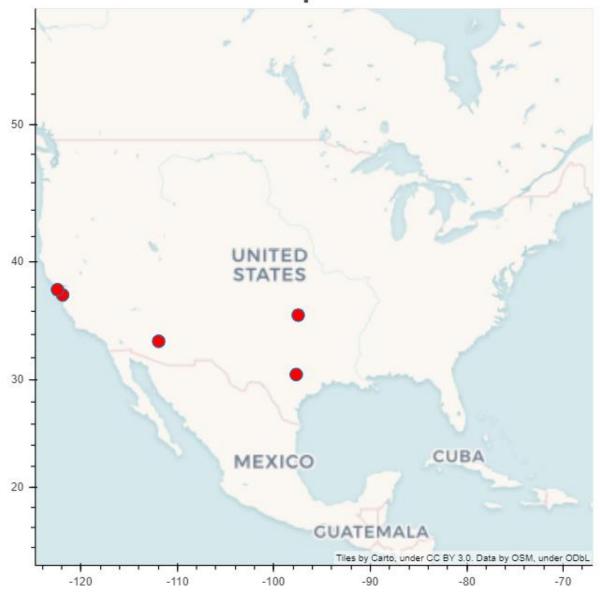




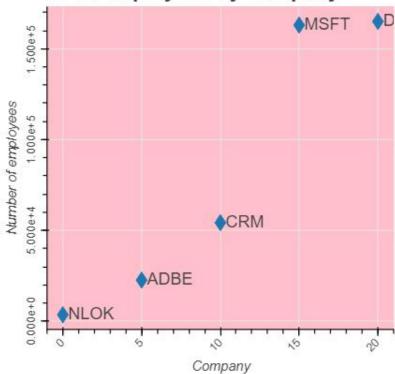


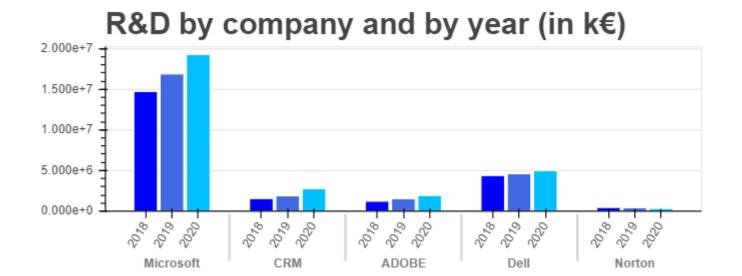


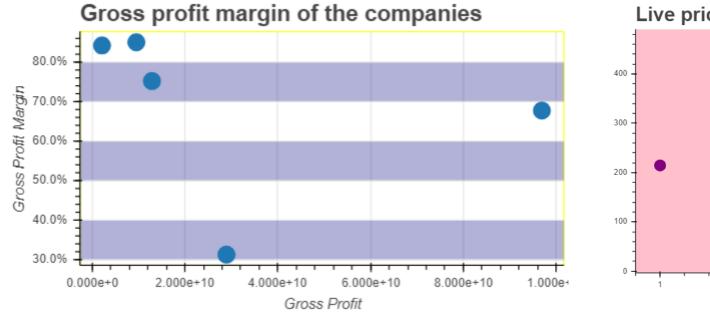
Location of the companies

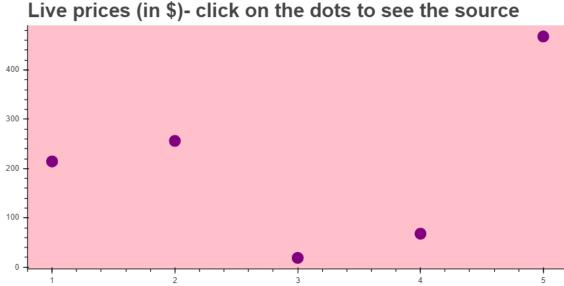


Nr of employees by company

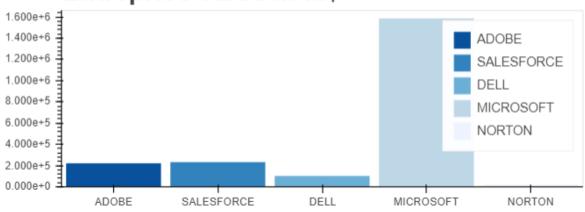




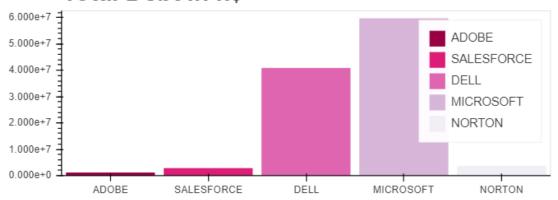




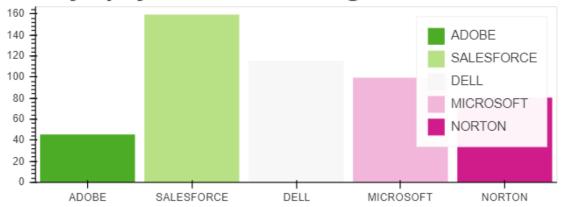
Entreprise value in M\$



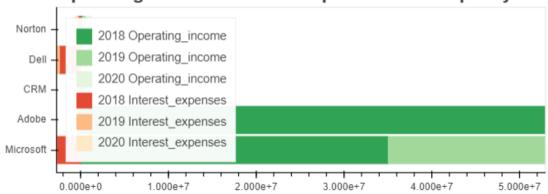
Total Debt in k\$



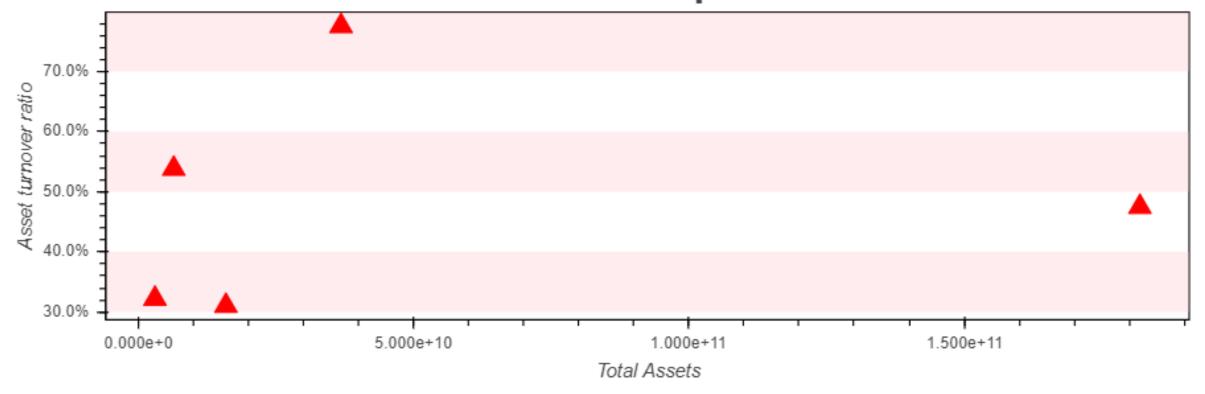
Days payable outstanding

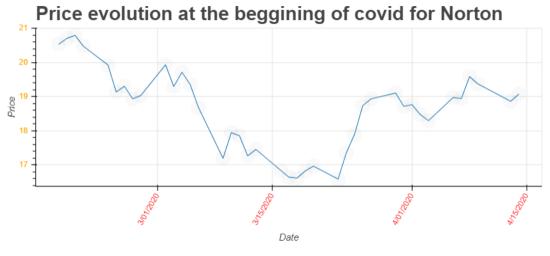


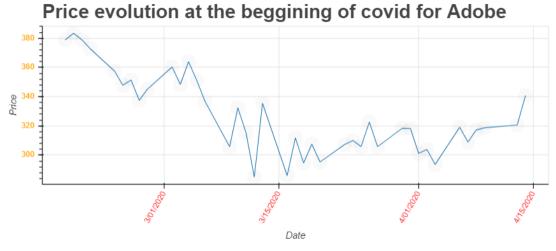
Operating income / Interest expenses these 3 past years

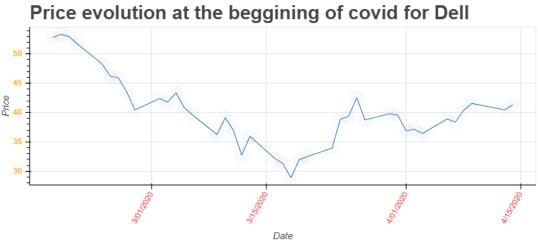


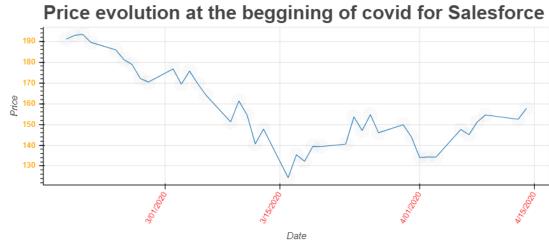
Asset turnover ratio of the companies



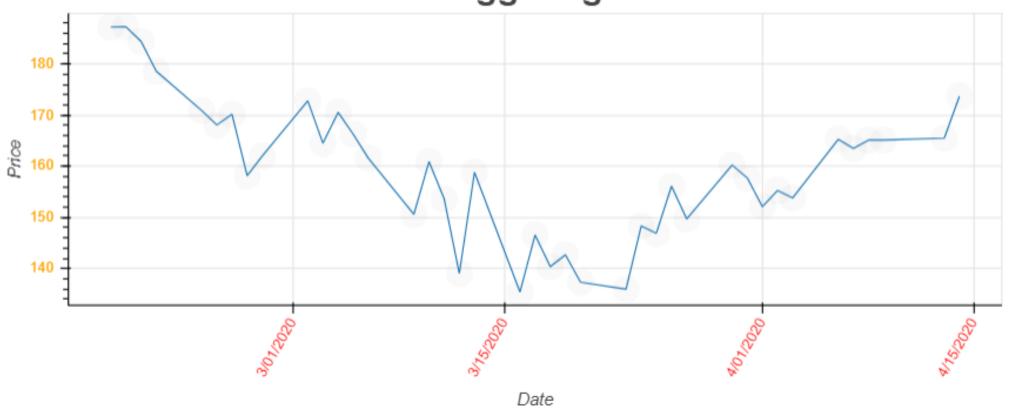




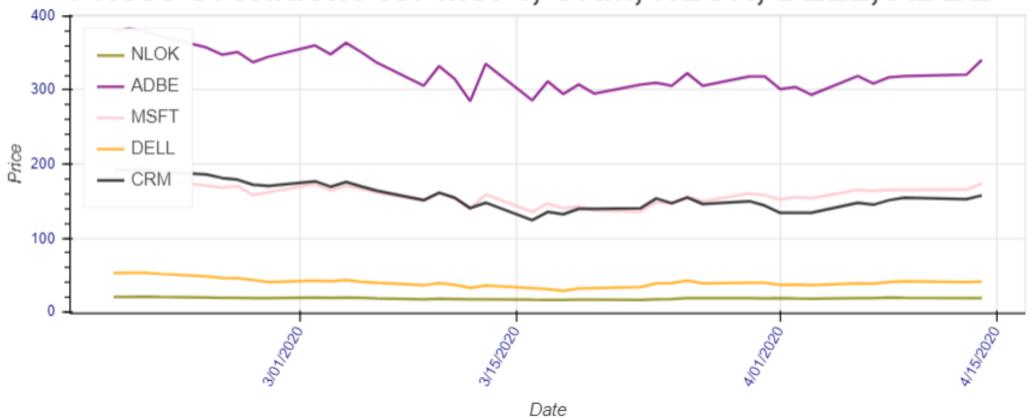


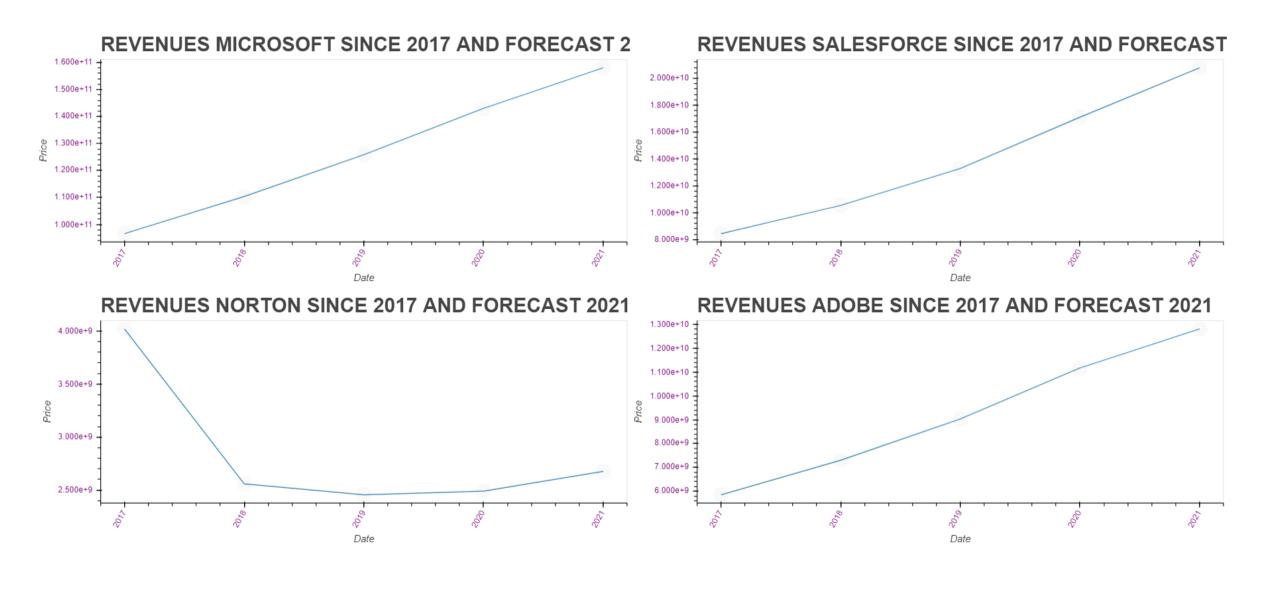


Price evolution at the beggining of covid for Microsoft

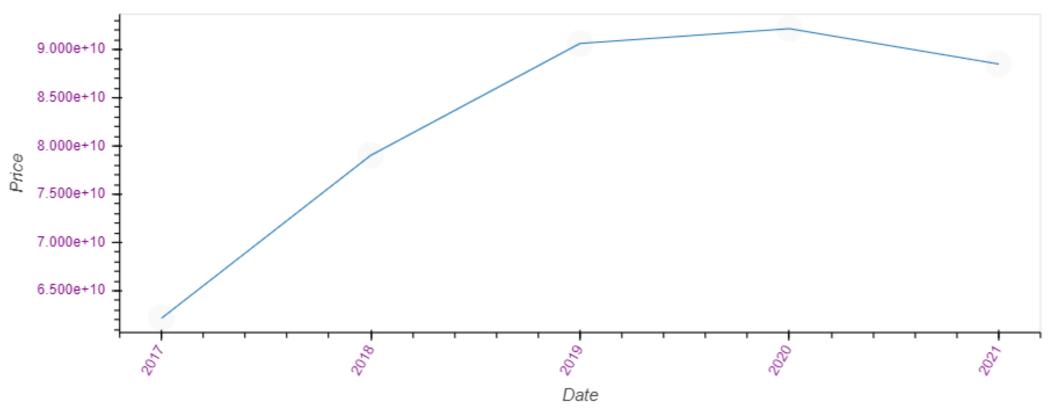


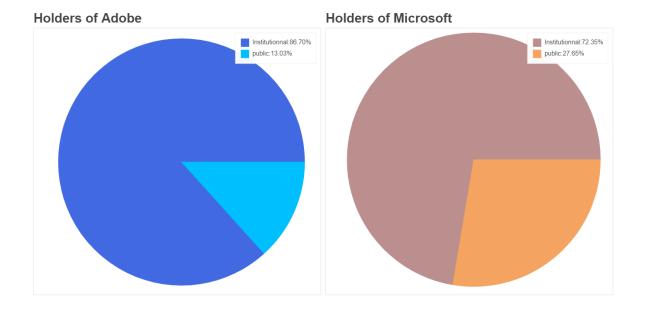
Prices evolutions for MSFT, CRM, NLOK, DELL, ADBE

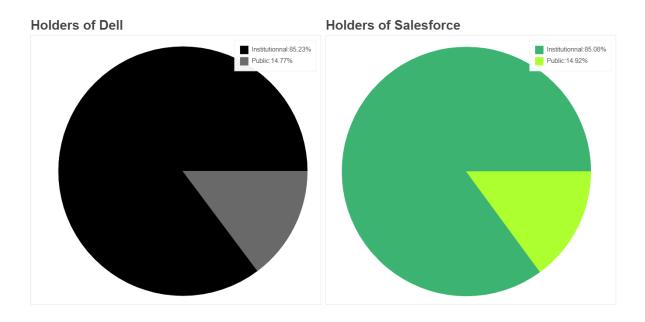


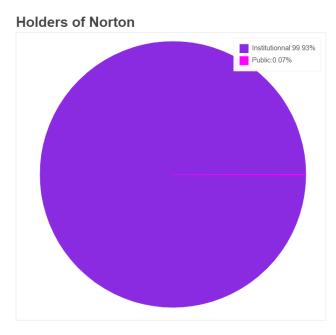


REVENUES DELL SINCE 2017 AND FORECAST 2021



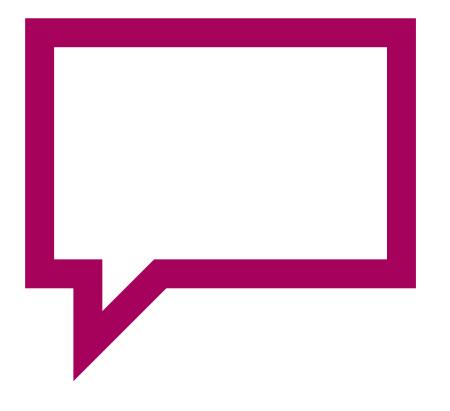






PROCESS

- Collecting with different functions of Yahoo, building new functions to get tables with 5 companies at once.
 - Live price
 - Cash flow, balance sheet, income statement
 - Valuation prices
 - Shareholding
 - Basic information like sector, address, employees, url, logo,...
- Change columns names, remove some useless ones, pivot some tables, merging, make some queries with the SQL package, add calculations
- Reorganize dictionaries into data frames
- Application of the Bokeh library for different plots.
- Difficulties:
 - Apply some plotting to data frames because easiest way was to apply some visualization to dictionaries.
 - Find the right format as I was dealing with huge numbers



QUESTIONS ?

THANK YOU FOR LISTENING