Tools

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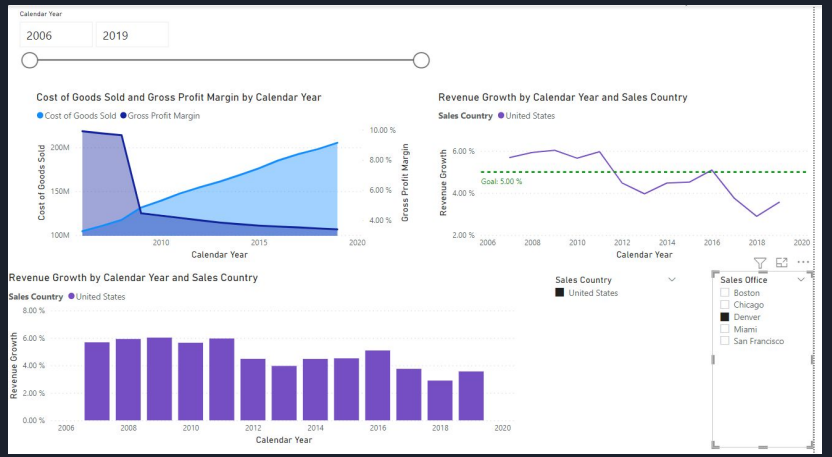
Tools

Some examples of DS tools

-PowerBI
- D3.js
-Python/R (with jupyter notebook)
- Matlab

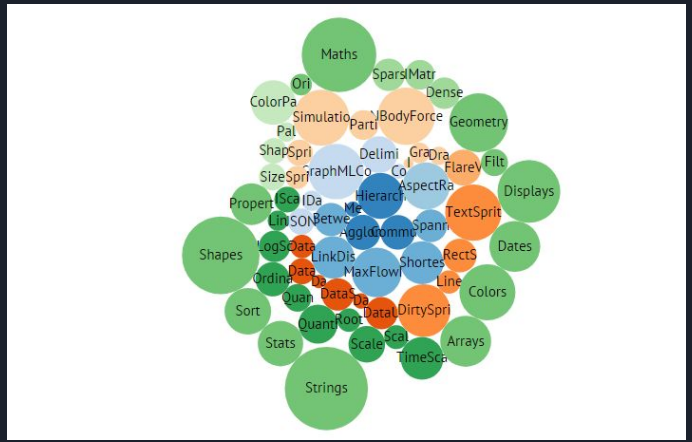
PowerBI

Gui program, lets you easily add widgets to represent data.



D3.js

Tool based on Javascript, lets you change css. Makes sense if you need to change the styling to represent something.



Python/R
(with jupyter notebook)

Interpreted programming languages.
They have a lot of useful libraries for data science.
With Jupyter notebook we can put code snippets in a portfolio and add texts for documentation or explanation.

```
period_filter = (ds['Period'] == 2019) & (ds['Dim1'] == 'Both sexes')
filtered_data = ds[period_filter]
filtered_data.head()
```

	Location	Period	Indicator	Dim1	First Tooltip
0	Afghanistan	2019	Life expectancy at birth (years)	Both sexes	63.21
12	Albania	2019	Life expectancy at birth (years)	Both sexes	78.00
24	Algeria	2019	Life expectancy at birth (years)	Both sexes	77.13
36	Angola	2019	Life expectancy at birth (years)	Both sexes	63.06
48	Antigua and Barbuda	2019	Life expectancy at birth (years)	Both sexes	76.45

Matlab

Matlab is a programming language used for:
Computation of numeric data,
creating graphics for scientific use,
modeling and simulating data,
analyzing data.
These things can be done in Python and R too, but these require libraries, Matlab is more focused on these aspects.