Fundamentals of Visualization

Tools for Data Visualization

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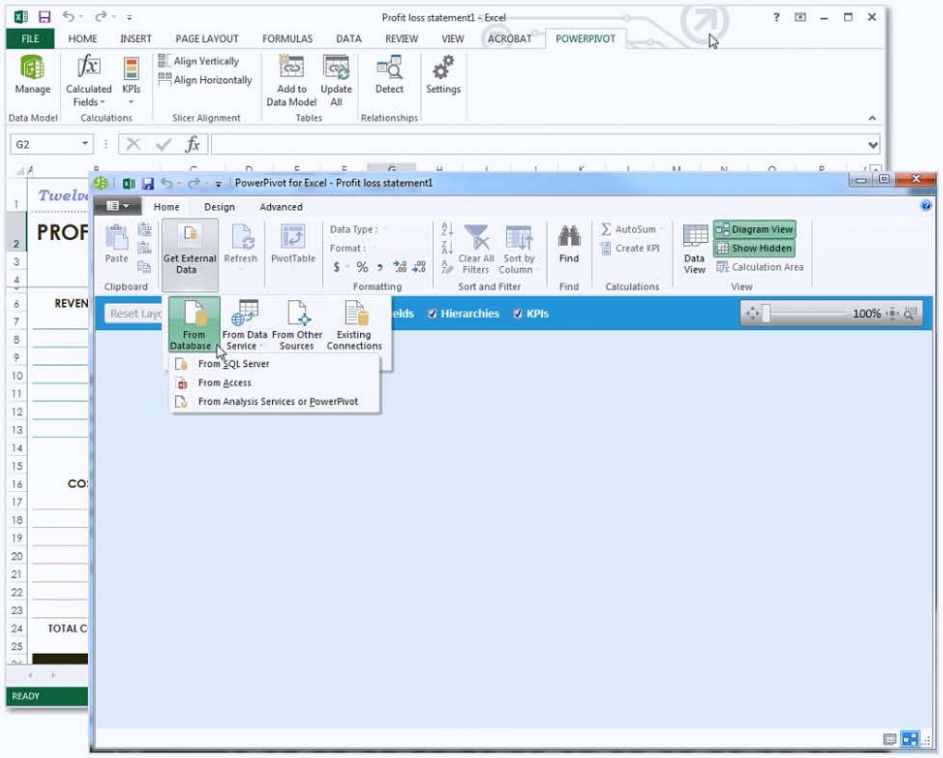

Microsoft Excel and PowerPivot

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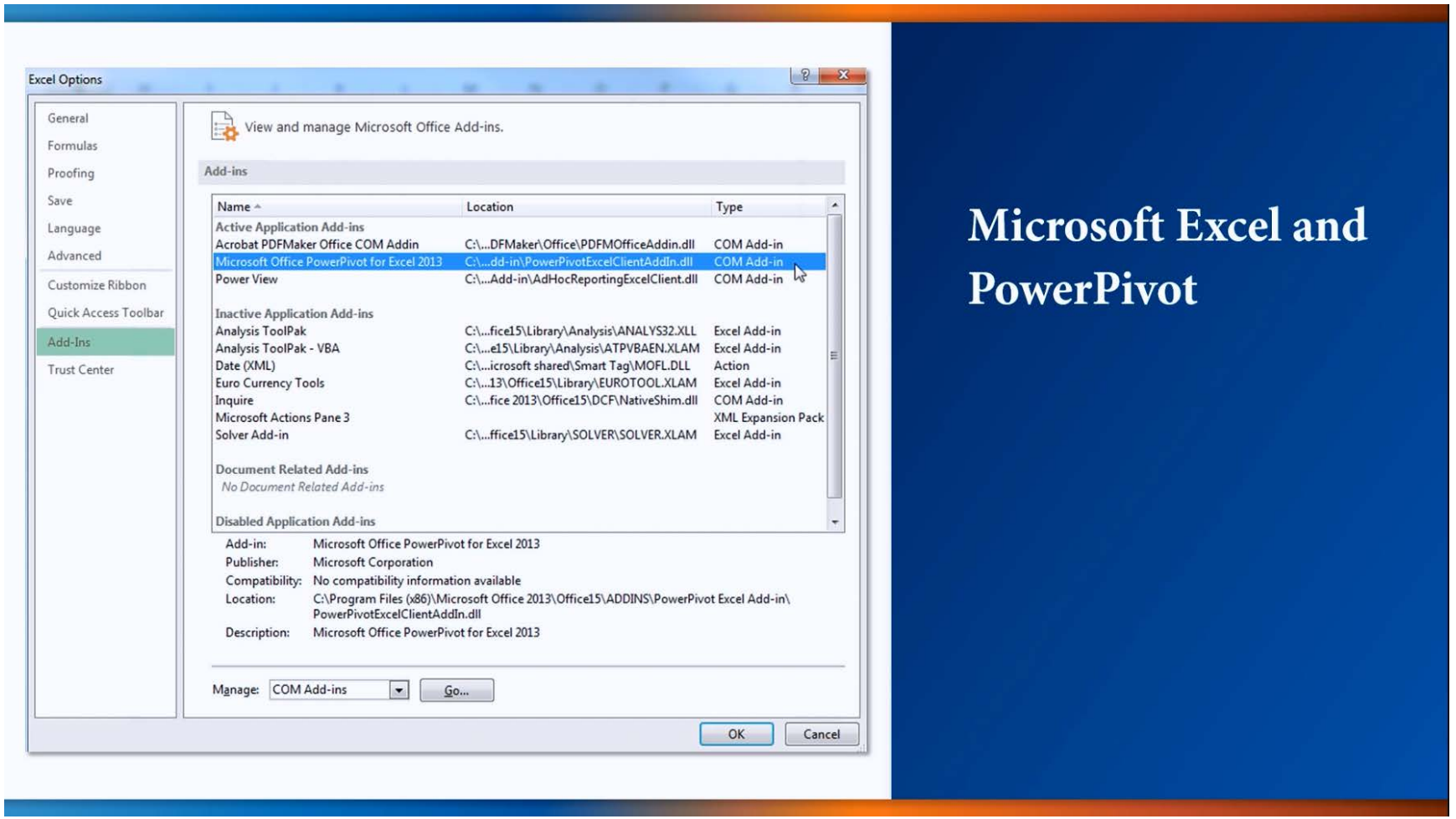

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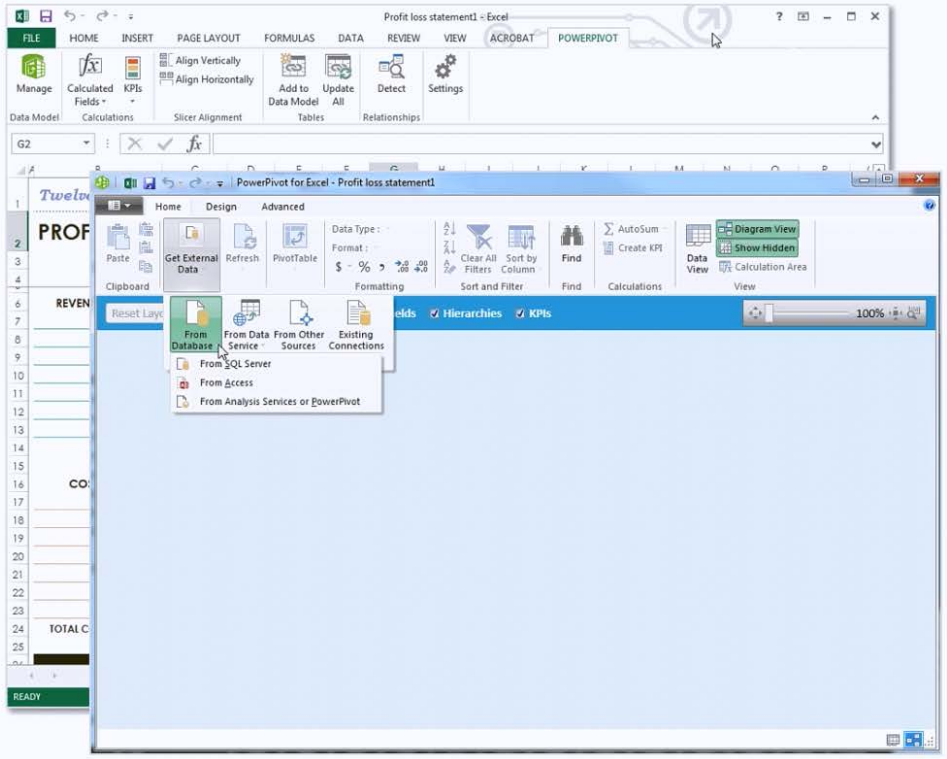

Microsoft Excel and PowerPivot

May be difficult to learn

Powerful for those using Microsoft architecture (SharePoint, PowerBI)

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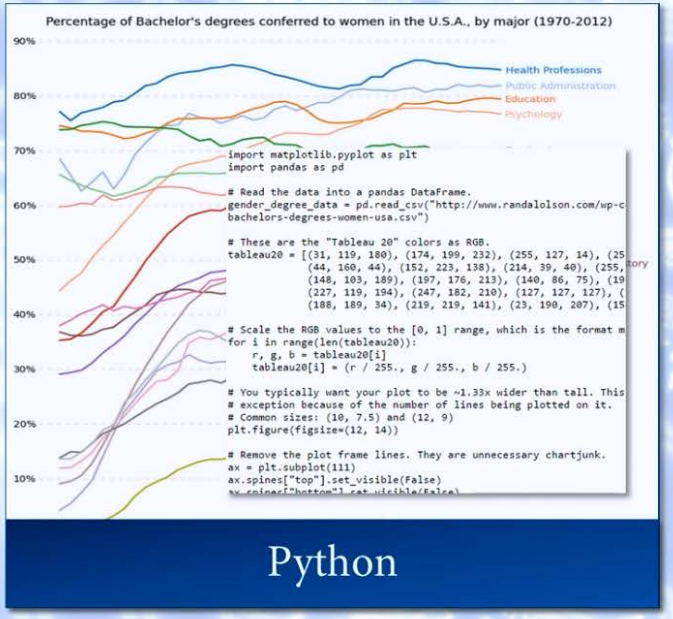
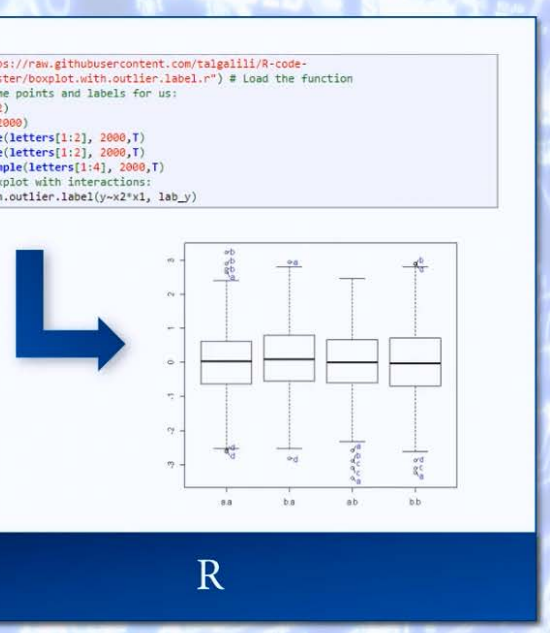
Python and R

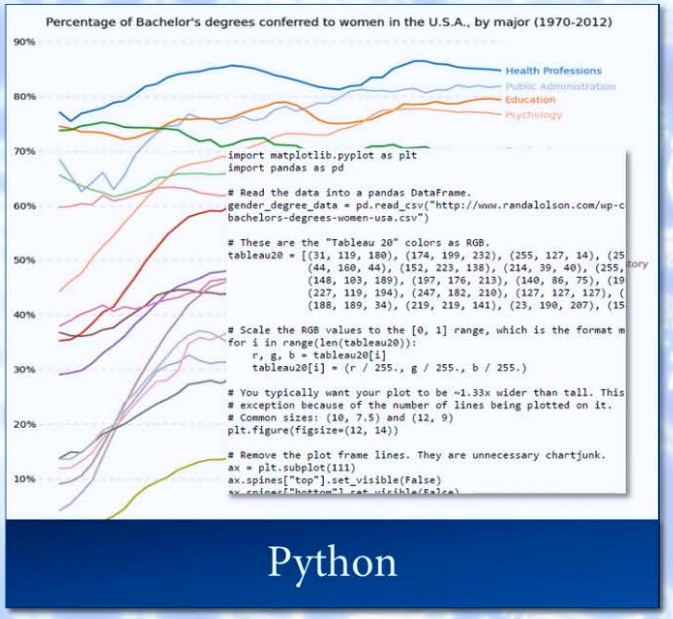


Python

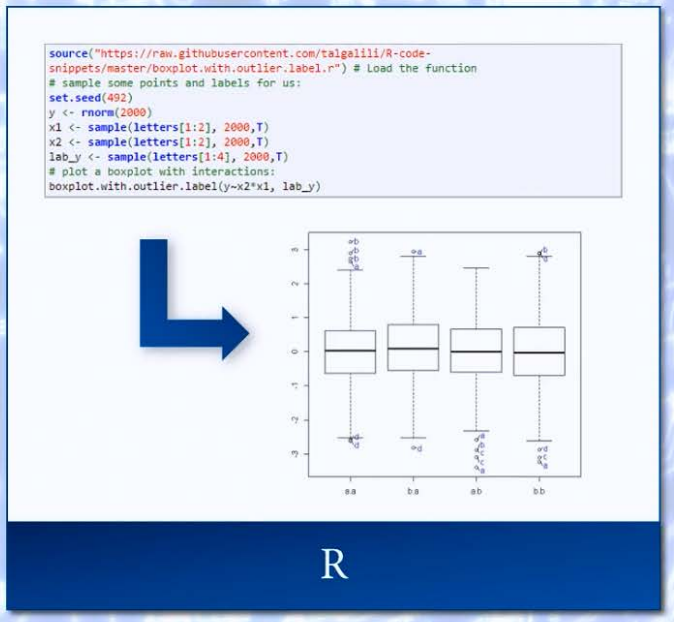


R

Powerful and free, but difficult to learn



Python



R

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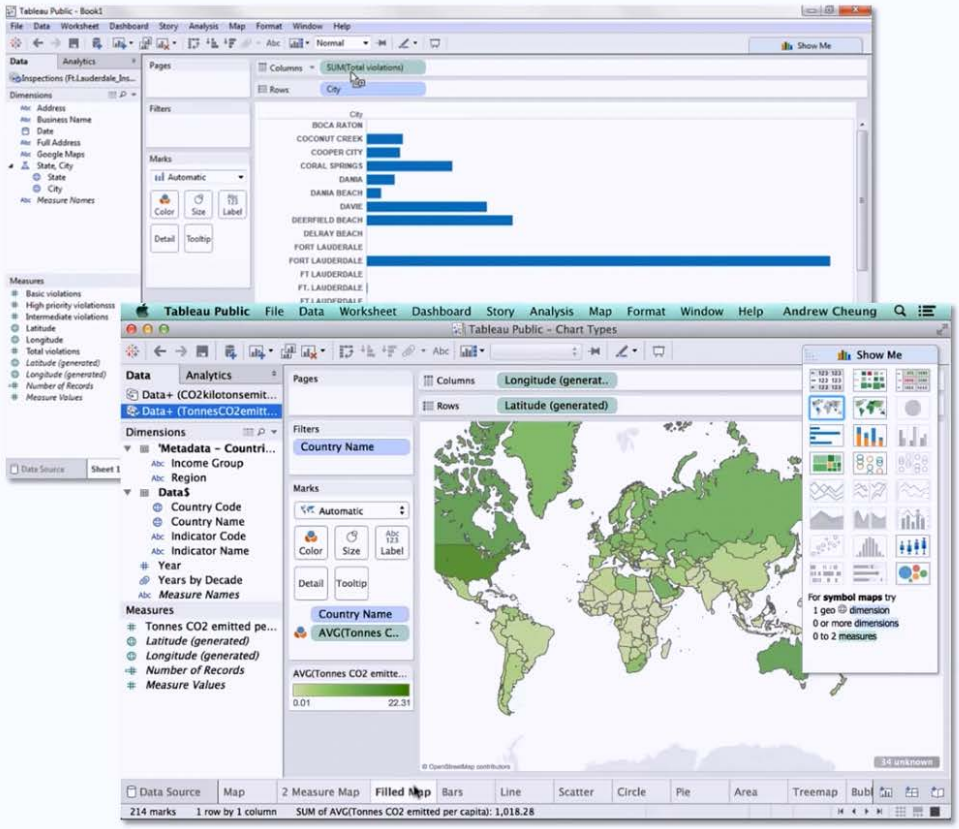
Tableau Public

Create visualizations with public data and share it with anyone

Data can be downloaded by anyone

Files cannot be saved locally



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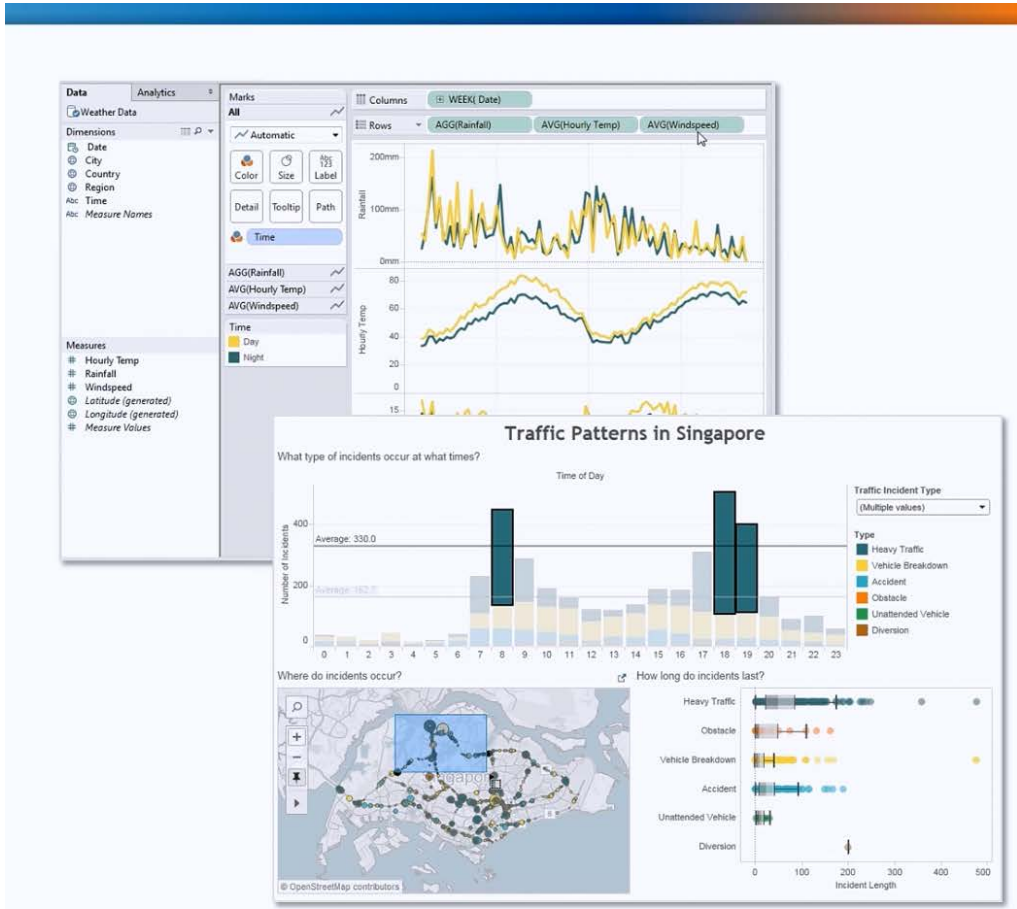

Tableau Desktop

Connect to data sources and save locally

Full version of Tableau Public

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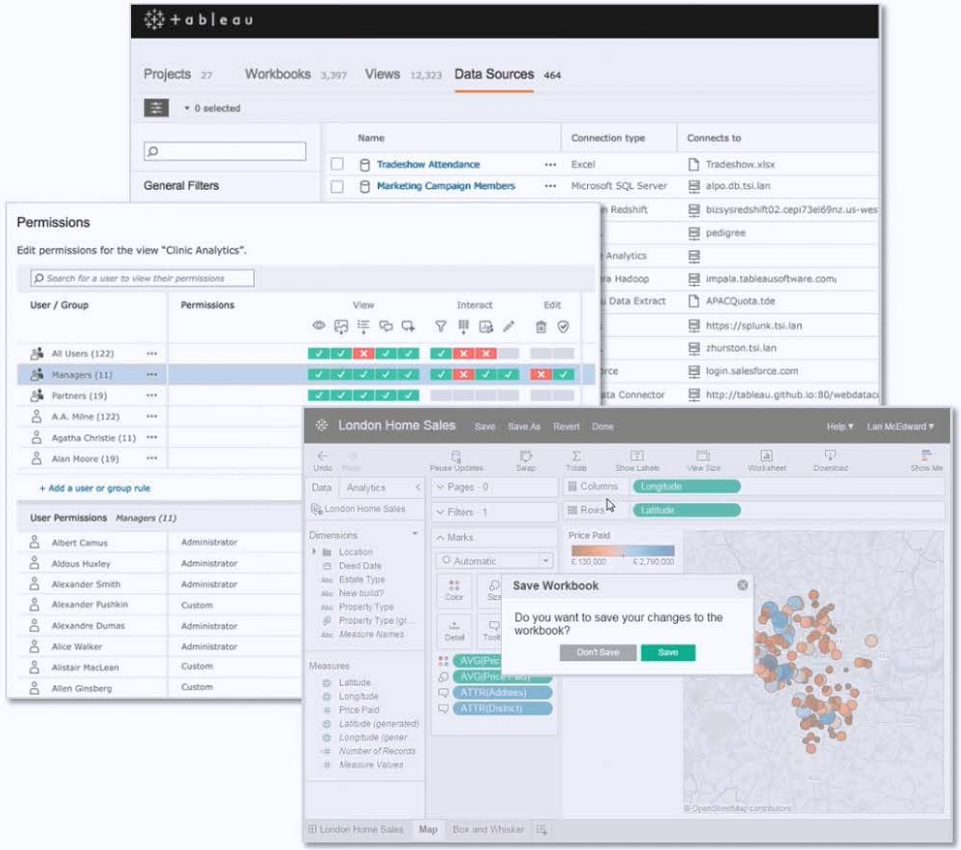
Tableau Server

Requires major corporate investment in local server

Full software capability and data control



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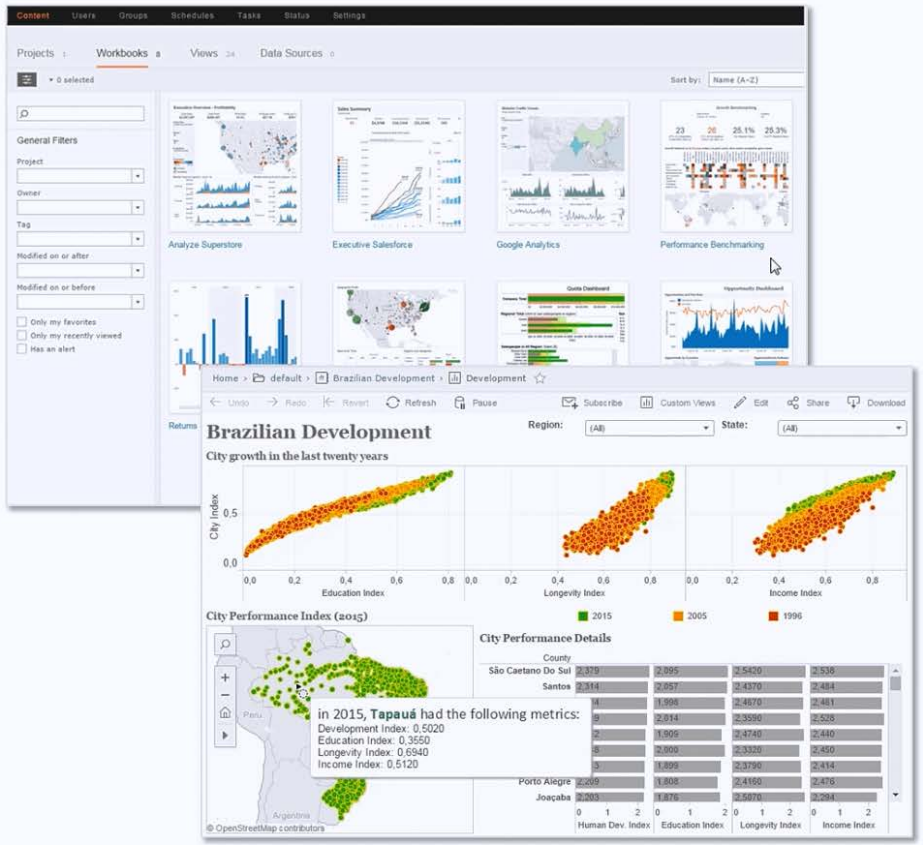

Tableau Online

Stores visualizations in the cloud

Can only share with people who have a Tableau Online license

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