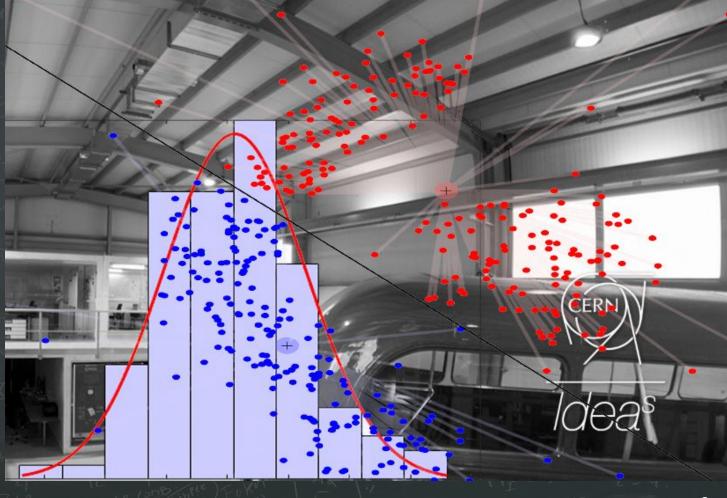
SGD Topics #1: Multivariate Visualisation



@DrYacineHaddad

Welcome!

Hi! thanks to IdeaSquare!



Changes on the Way!

- SGD is on the way
- Two new meetups on the horizon
- Website under production



Société Genévoise des Données

Who are we

Éditions

Meetur

Contact

Geneva Society of Data

The home for data analysis, engineering and machine learning in the Geneva region.



Check out our next meetup.

Sign up now >

Hands On Code

Code describing how to get started understanding modern topics in data is hosted on GitHub. Here we share work, discuss changes, and get feedback in one place to expand our knowledge and experience.

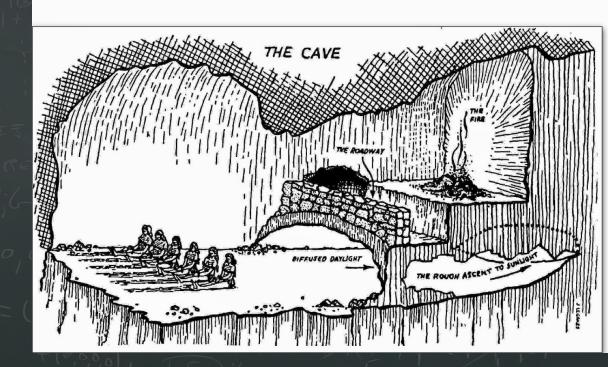


Experiment with new ideas

The society represents a cross-section of data science professionals from all corners of accademia and industry a breeding ground for exciting new perspectives on your data

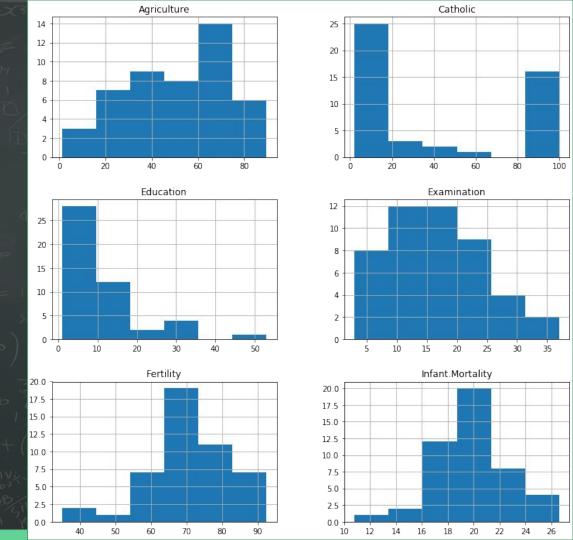
Visualising Data!

- The most important step in dealing with data.
- Continuous, categorical, binned/bucketed, ordered, etc
- What and why?
- Exploring data EDA



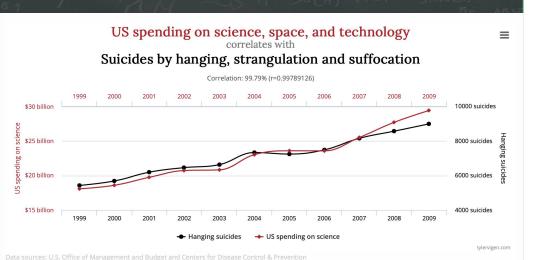
1D - Histograms and Summary data

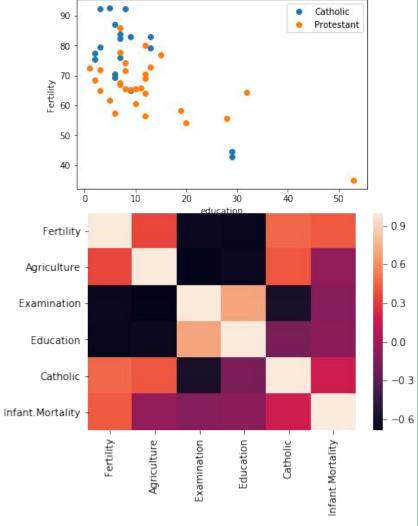
- Data should be in reference to more data.
- Histograms let us visualise
 frequency and scale of observations
- Mean, standard deviation, etc let us understand a data set without seeing it all



Correlation

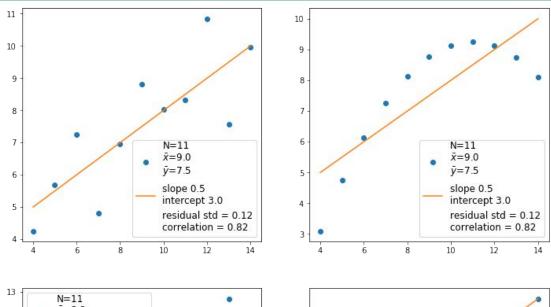
- Picturing the relationship between two variables can give the most insight into how you data behaves
- Correlation does not imply causation

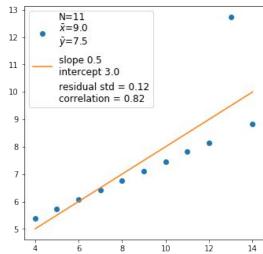


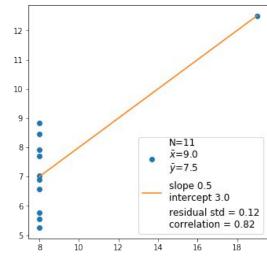


A Picture Tells a Thousand Words

- Picturing the data is sometimes the only way to understand it
- The anscombe data sets have identical numbers of points lines of best fit standard deviations and correlations







Try it yourself!

https://github.com/SocieteGenevoiseDonnees/MultivariateVisualisation

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