

## Exercise 2

### Exercise 2.1 - Visualization Pipeline

Data acquisition Gather GeoData, Traffic data from server

Filtering Extract streets, streetsize/length, traffic per street, points of interest, from the data

Mapping Map these extracted data values to visual variables: streets to edges, Points of interest (U-Bahn etc.) to glyphs, traffic per street to color (green for little, orange for large amount of traffic)

Rendering Bring these visual variables to the screen in a view

Interaction The user can interact with Filtering (choose usuall traffic at specific time), Mapping (Show glyphs for U-bahn), and Rendering (Zoom, Pan...):

### Exercise 2.2 - Data Representation

## Exercise 2.3 - Data Properties

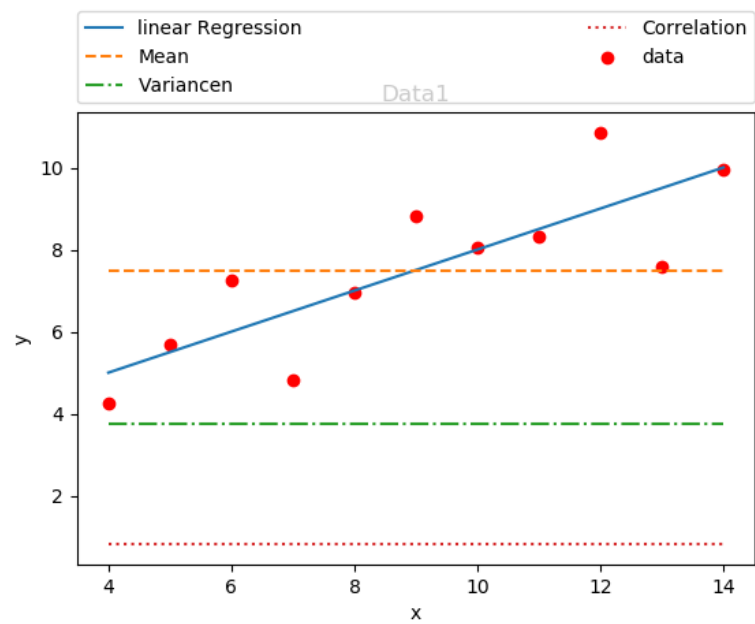


Abbildung 1: Data1

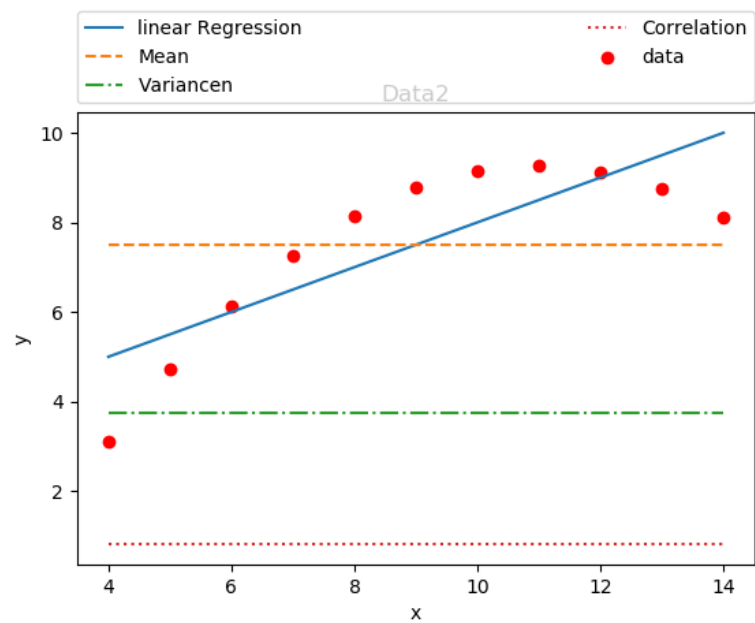


Abbildung 2: Data2

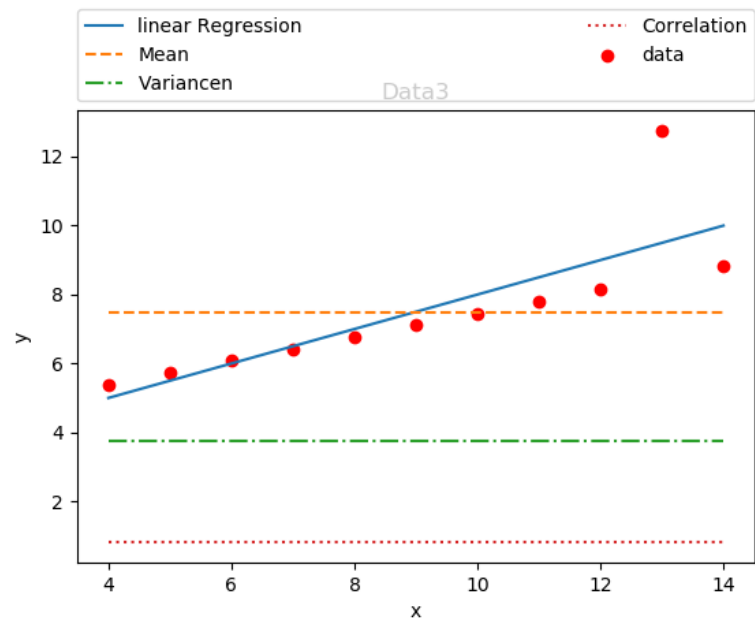


Abbildung 3: Data3

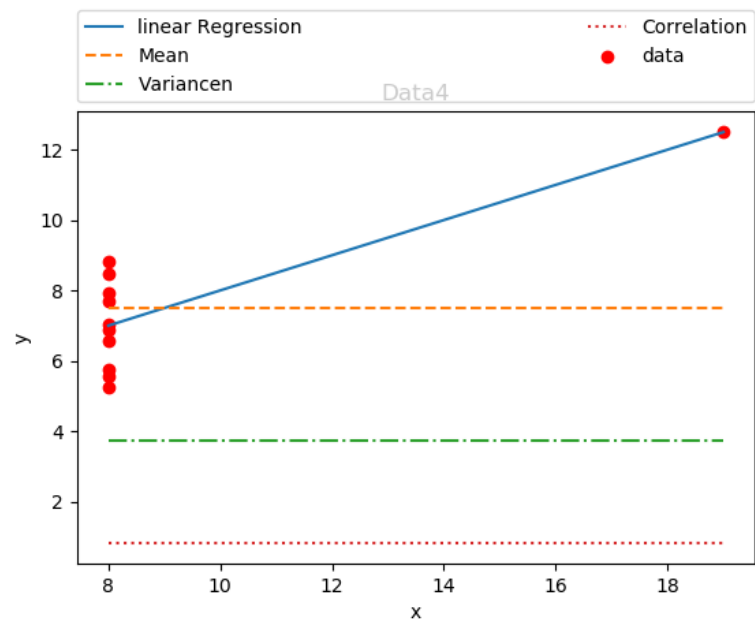


Abbildung 4: Data4