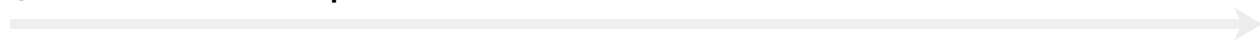


# Data Visualization Pipeline



## *Geometric Description*

### ***Data***

The data which we wish to visualize. This data can be in different formats such as dataframe or a relational database.

### ***Trasnformed Data***

Apply transformations such as aggregation, filtering, sampling.

### ***Encoder***

The encoder is responsible for translating the data into the geometric representation.

### ***High-Level Representation***

High-level language for producing vector graphics.

### ***Existing Vector Graphics Format***

Geometric representation translated into a vector graphics format such as SVG or PostFix.

### ***Rasterization***

Turning graphical representation into pixels in the screen

#### **Backend:**

The same geometric representation can be translated to SVG, PostScript or even directly rasterized. Each possible implementation consists in a different backend.