

Note taking:

1. Interactivity

- a. Types of Interactivity:
  - i. Changes over time
  - ii. Able to connect variables
  - iii. Query and edit the data
  - iv. Linking & Brushing: select data points
- b. Parameters
  - i. Point characteristics: click and drag
  - ii. Axis limits/bounds: rectangle zoom
  - iii. Transform/scale: adjustment

2. Two main approaches to the selection process (Used for linked and brush data)

- a. Concurrent filtering
- b. Index-based selection
- c. Used for categorical data, geographical data

3. Bqplot: build on ipywidgets

- a. Scales
  - OrdinalScale: ordered category
  - ColorScale: color map
- b. Axes
- c. Marks: scatter/bar/graph/hist map
- d. Figures
- e. Interactions

4. Dashboard:

- a. Tableau
- b. Gluevis