

# Data Visualization:

## Some Techniques

# Types of data: Static

- Census
- Image databases Satellite maps
- Internet Server Logs
- Facebook posts
- Google (everything)

# Types of data: Static

How do we get it?

- Download (e.g. Project Gutenberg)
- Public Government records
- “Data Scraping” (“Screen Scraping”)
- API (Application Programming Interface)

# Types of data: Dynamic

- Heartbeat
- Twitter feeds
- Sensors generally (light, temperature)
- Facebook posts
- Google (everything)

# Types of data: Dynamic

How do we get it?

- API (Application Programming Interface)
- Sensor subscription (ITTT)
- Network streams (Like RasPi sensor)

# Data formats:

- Text files
- .tsv (Tab Separated Values)
- .csv (Comma Separated Values)
- XML
- JSON ((JavaScript Object Notation)