Course Topics

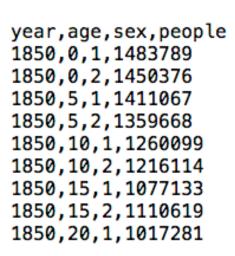
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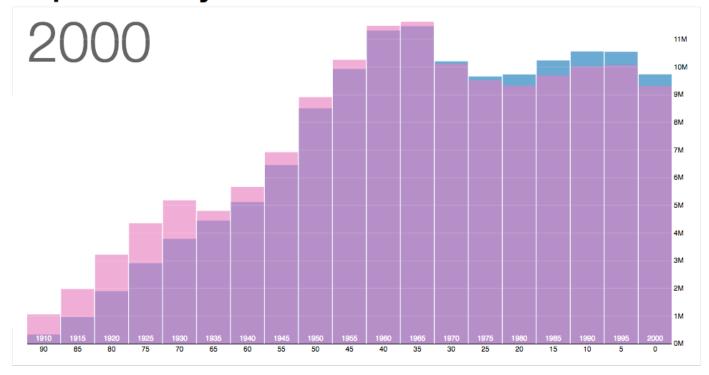
Part One

Fundamental techniques for encoding data

- Data structure to visual form
- Selecting chart types
- Perception and patterns
- Color and contrast
- Interactions

Population Pyramid





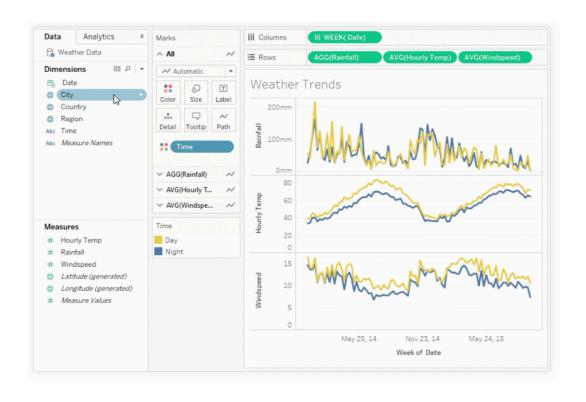
```
// An SVG element with a bottom-right origin.
var svg = d3.select("body").append("svg")
    .attr("width", width + margin.left + margin.right)
    .attr("height", height + margin.top + margin.bottom)
.append("g")
    .attr("transform", "translate(" + margin.left + "," + margin.top + ")");

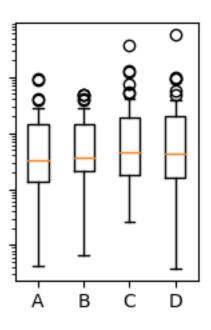
// A sliding container to hold the bars by birthyear.
var birthyears = svg.append("g")
    .attr("class", "birthyears");
```

Part Two

Design and Build

- Exploratory data analysis
- Design and evaluation process
- Python visualization tools



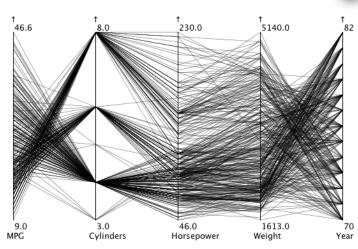


plt.boxplot(data)

Part Three

Specialized Topics

- Time and place
- Multidimensional data
- Performance
- Networks
- Narrative



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