



Working with Grafiti

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Why I chose them

- ▶ Mobile First
- ▶ Existing platform
- ▶ Existing Design Framework
- ▶ Could extend usability
- ▶ New Types of visualizations
- ▶ Given data set
- ▶ GROUP work!

Data collection

- ▶ Grafiti didn't have anything for us!
- ▶ Chose a candy data set
 - ▶ Too small
- ▶ Found a College Degree data set
 - ▶ Too scattered
- ▶ Settled on a H1B Visa data set
 - ▶ Many points to cross reference

Data Cleaning



- ▶ Job titles.. All the same
- ▶ Dates (Just the year)
- ▶ Companies (Disorganized)
- ▶ Salary Integer or Double?

Understanding the Data

- ▶ Cross referencing Columns
 - ▶ Year of entry and Salary
- ▶ Quantitative values
 - ▶ Company data
- ▶ Qualitative values
 - ▶ Location map

Data History

- ▶ Visualizations Started for academics
- ▶ Not popularized until textbooks used it
- ▶ Immigration data not shared till 50s
- ▶ Data for research
 - ▶ Struggling to find a logical representation
- ▶ Changing opinions with data
- ▶ Digital Data (Larger sets)

Making something unique

- ▶ Grafiti already has Bar Graphs and Scatter plots
- ▶ Their data, and customization, limits flexibility
- ▶ Data granularity

HOW EFFECTIVE
ARE CHARTS
ORIGINALLY
DESIGNED FOR
DOZENS OF DATA
POINTS WHEN YOU
HAVE 100,000? OR
THREE TRILLION?

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