

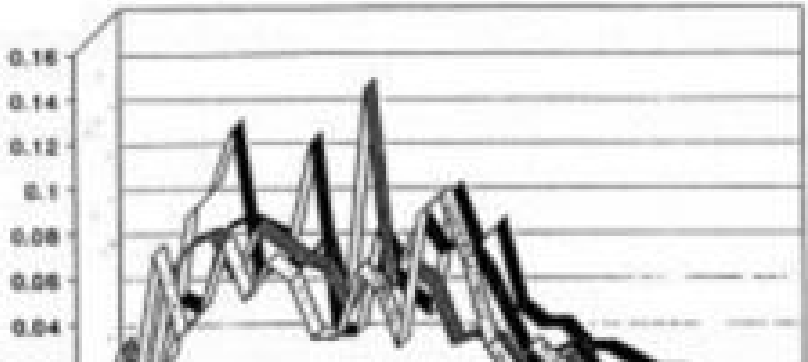
Project448B

Erin Singer • John Newcomb • Pat Briggs

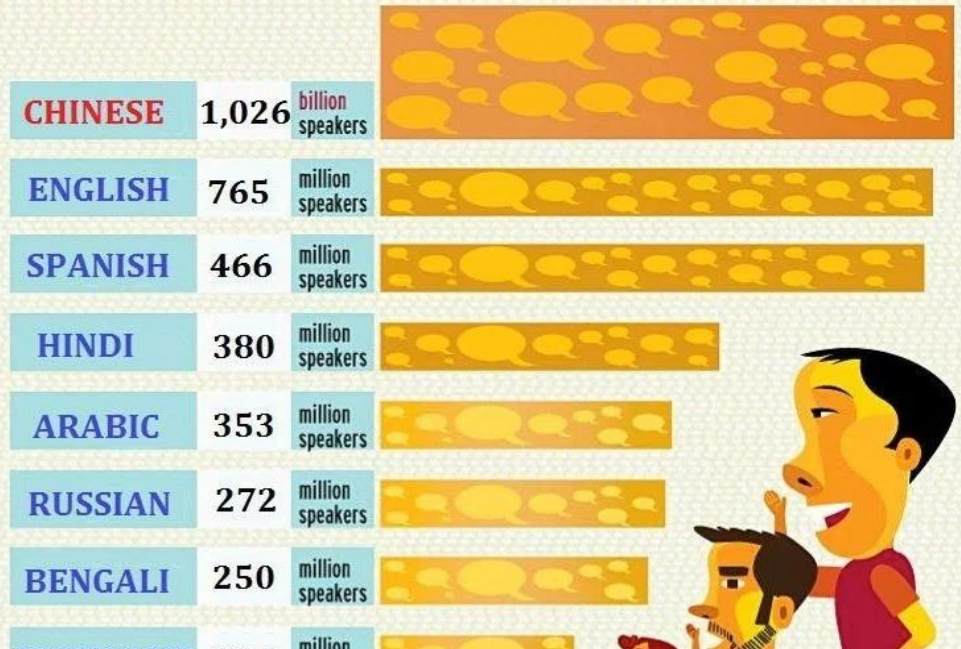
The Problem



B BINNED FREQUENCY DATA - D10S20
CHINESE, JAPANESE, KOREAN, VIETNAMESE



WHAT ARE THE 10 MOST SPOKEN LANGUAGES IN THE WORLD?



Relevant Prior Work

Prior Work: ReVision

Strengths/weaknesses

Impressive system for extracting data from images

Lacks full customizability, accessible platform

How are we different?

Web platform, greater customizability

Prior Work: Plot.ly

Strengths/weaknesses

Intuitive, very accessible, nice themes

Cannot uploading existing charts; some usability issues

How are we different?

Existing chart data extraction

Our Solution

Upload existing bar chart*

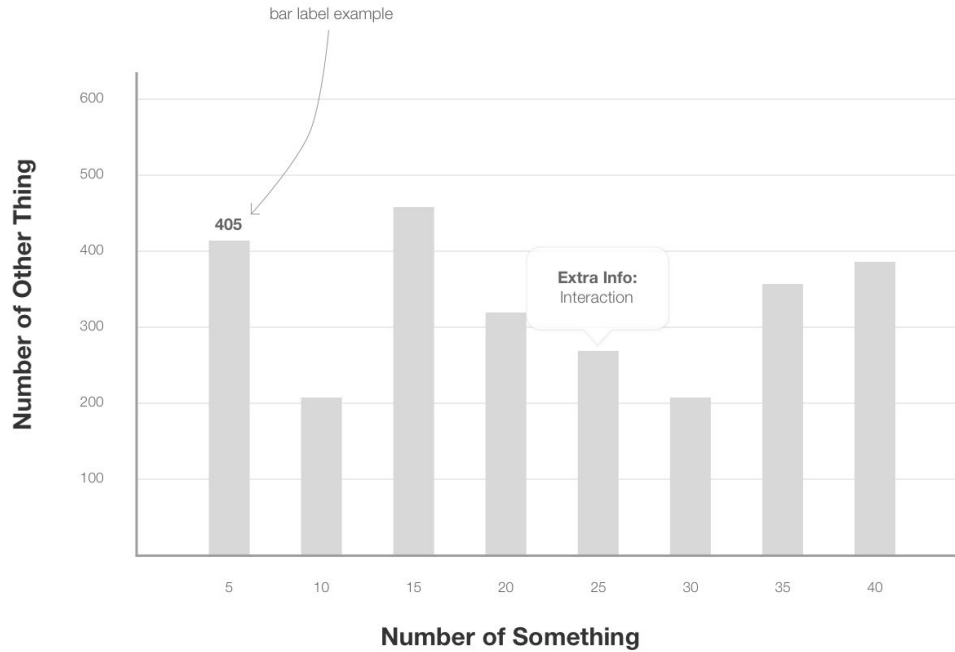
Customize colors, fonts, grid, etc.

Export beautiful, high-resolution image

Platform:

Web

Current Progress



Things that Could be Styled:

1. Bar

- different color for different bars? (Y/N)
- bar color
- bar width
- bar labels (color & font & size)

2. Grid

- bg lines (Y/N)
- bg line opacity
- width (set width... could a percent be possible?)

3. Axis

- axis color
- axis mark (color & font & size)
- x/y-axis main label (color & font & size)

(V2?)

4. Interaction

- font color & font & size

Bar

Colors

Single Multi

#333333

Width

25 px

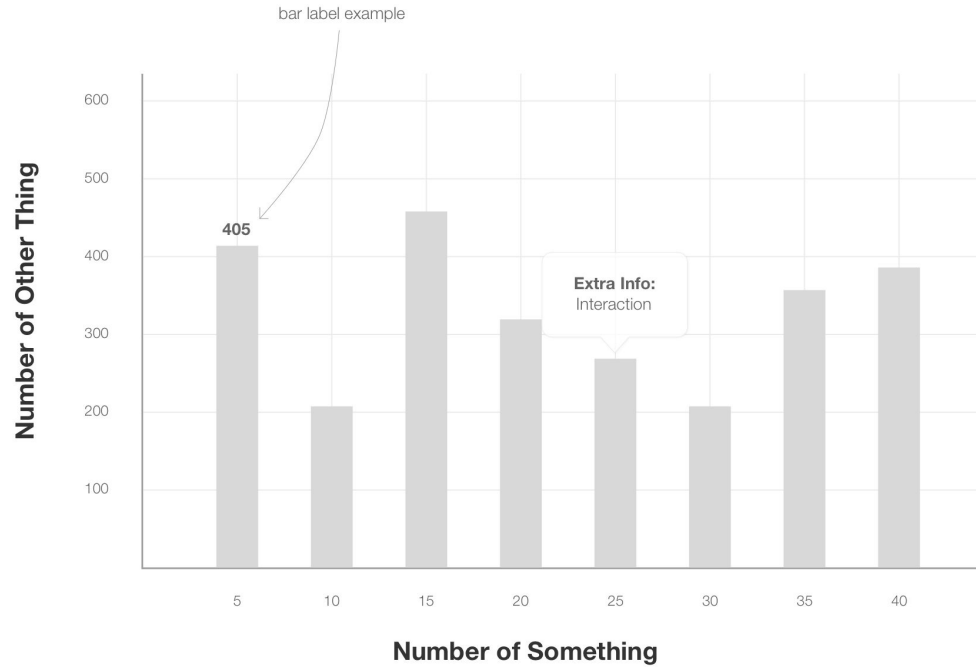
Labels

Helvetica Neue 14

B I U a

Axis

Graph



Bar v

Colors

Single Multi

#333333

Width

px

Labels

Helvetica Neue 14

B I U a

Axis v

Colors

Single Multi

#333333

Width

px

Labels

Helvetica Neue 14

B I U a

Grid v

Colors

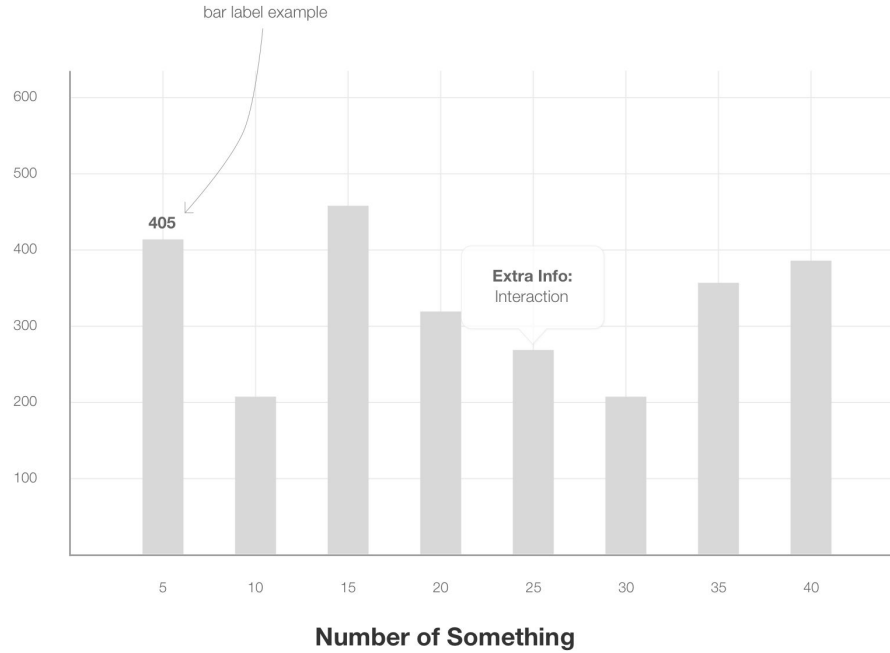
Single Multi

#333333

Width

px

Number of Other Thing



Bar Styling

Spacing

Stroke Color

Fill

Bar Labels

 Show Hide

Font

Bar Label Color

Bar Label Font Size

Grid Styling

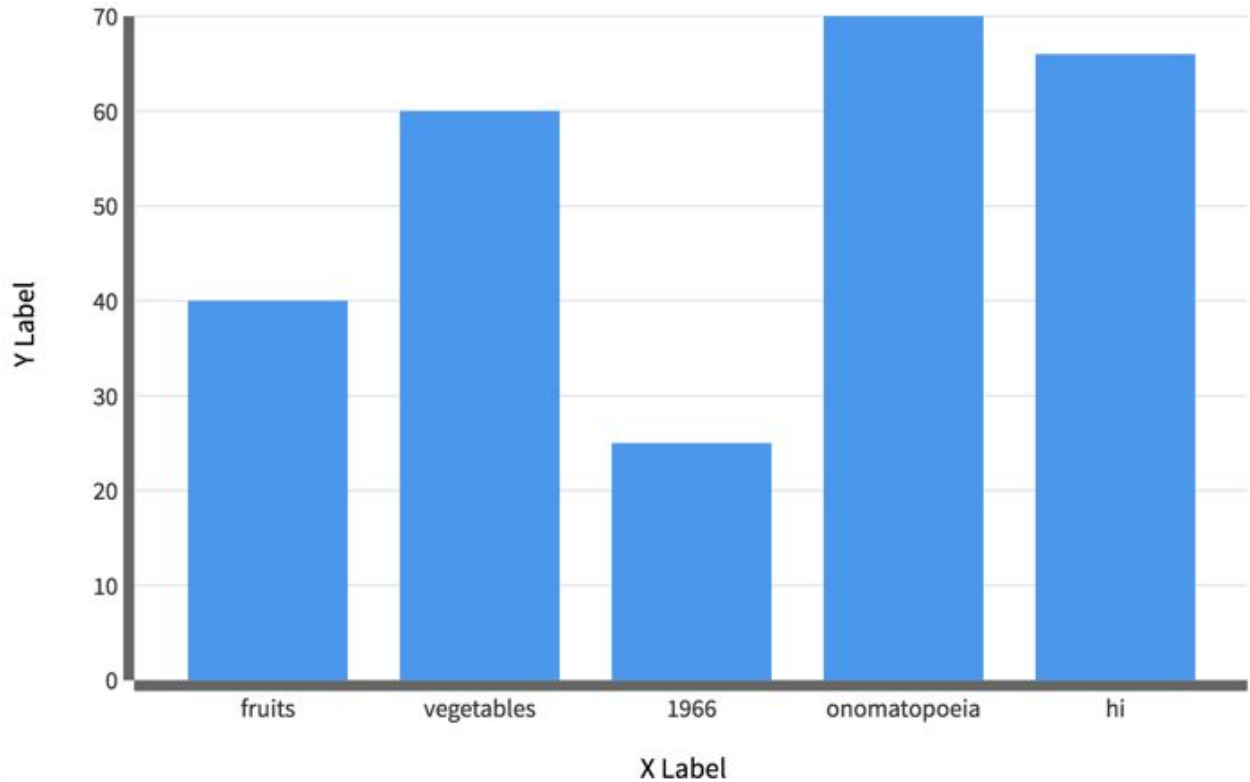
Lines

 Show Hide

Opacity

Width

Axis Styling



Milestones



Generate a basic bar chart from data



Basic design/layout



Interactive customization controls



High-quality image exporting



Iterate on design/UI



(Novel interaction techniques? Existing chart upload?)

Feedback?

How can we make the idea more unique?

Novel interaction techniques or existing chart uploading?

What features would you like to see?