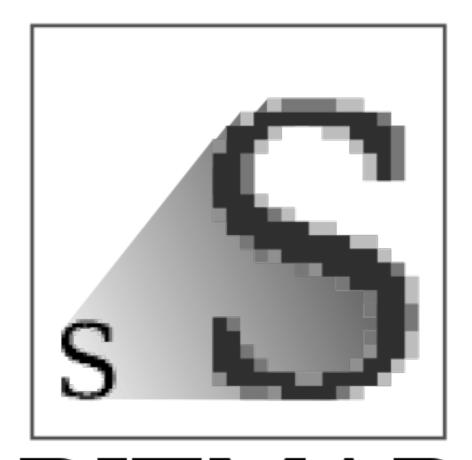
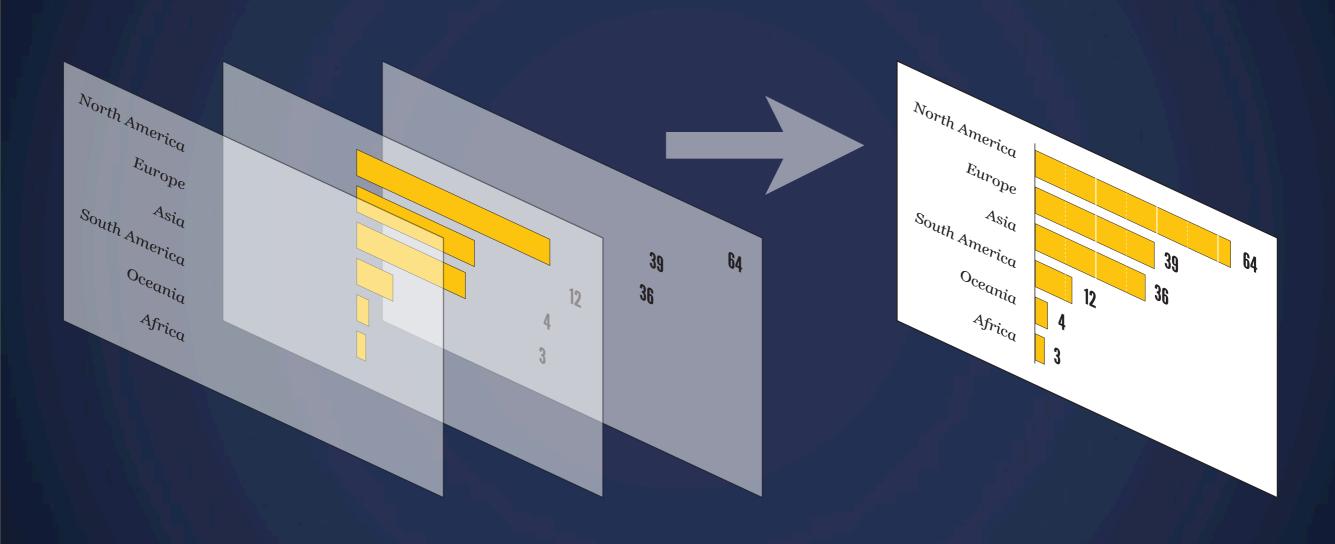
Lab 4 Vector Graphics







BITMAP OUTLINE .svg

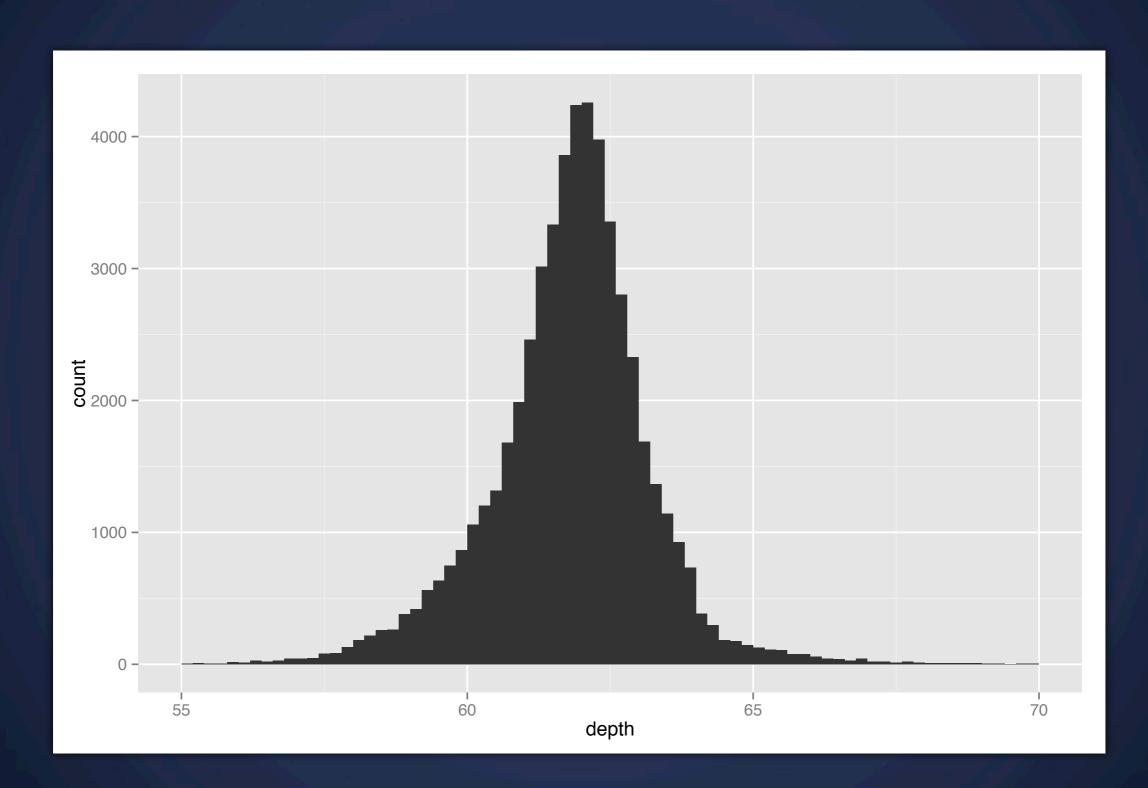






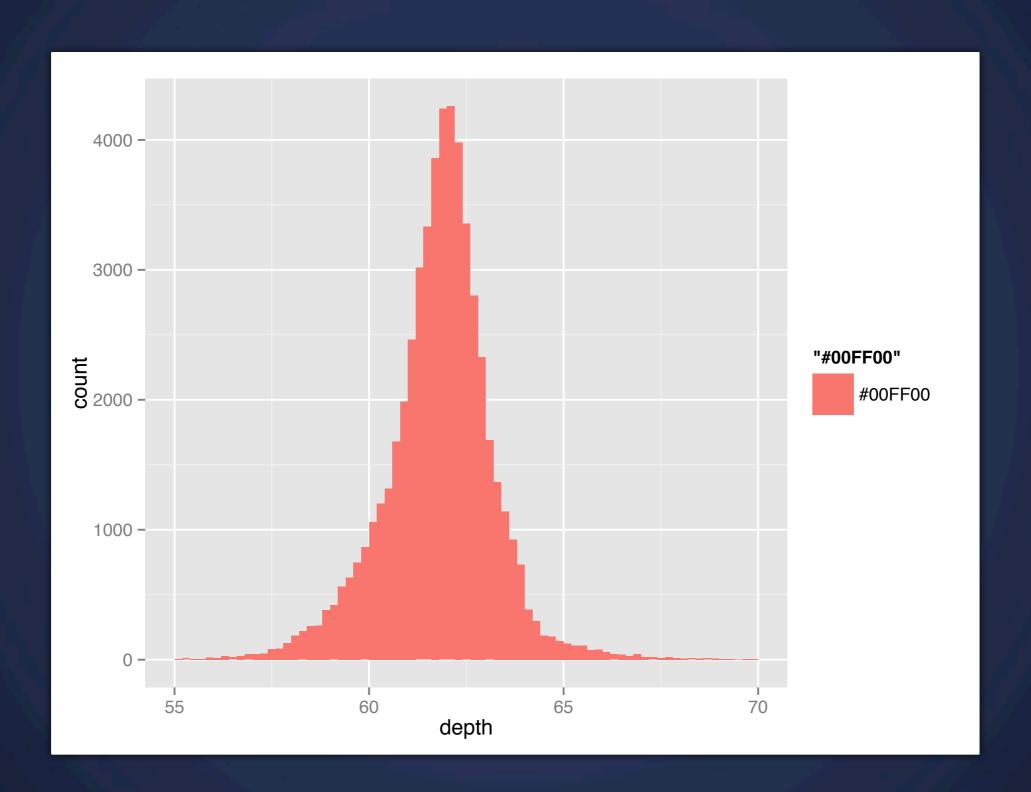
Pointer designed by Laurent Patain from The Noun Project

Remember this?

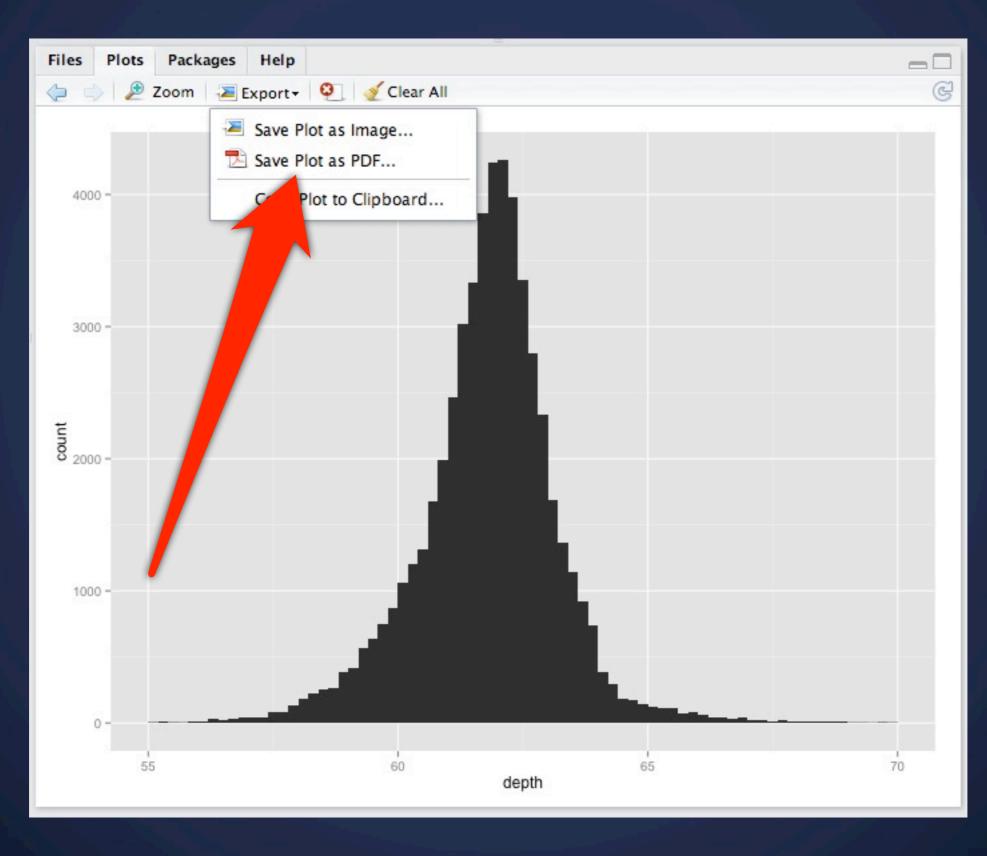


qplot(depth, data = diamonds, binwidth = 0.2) + xlim(55, 70)

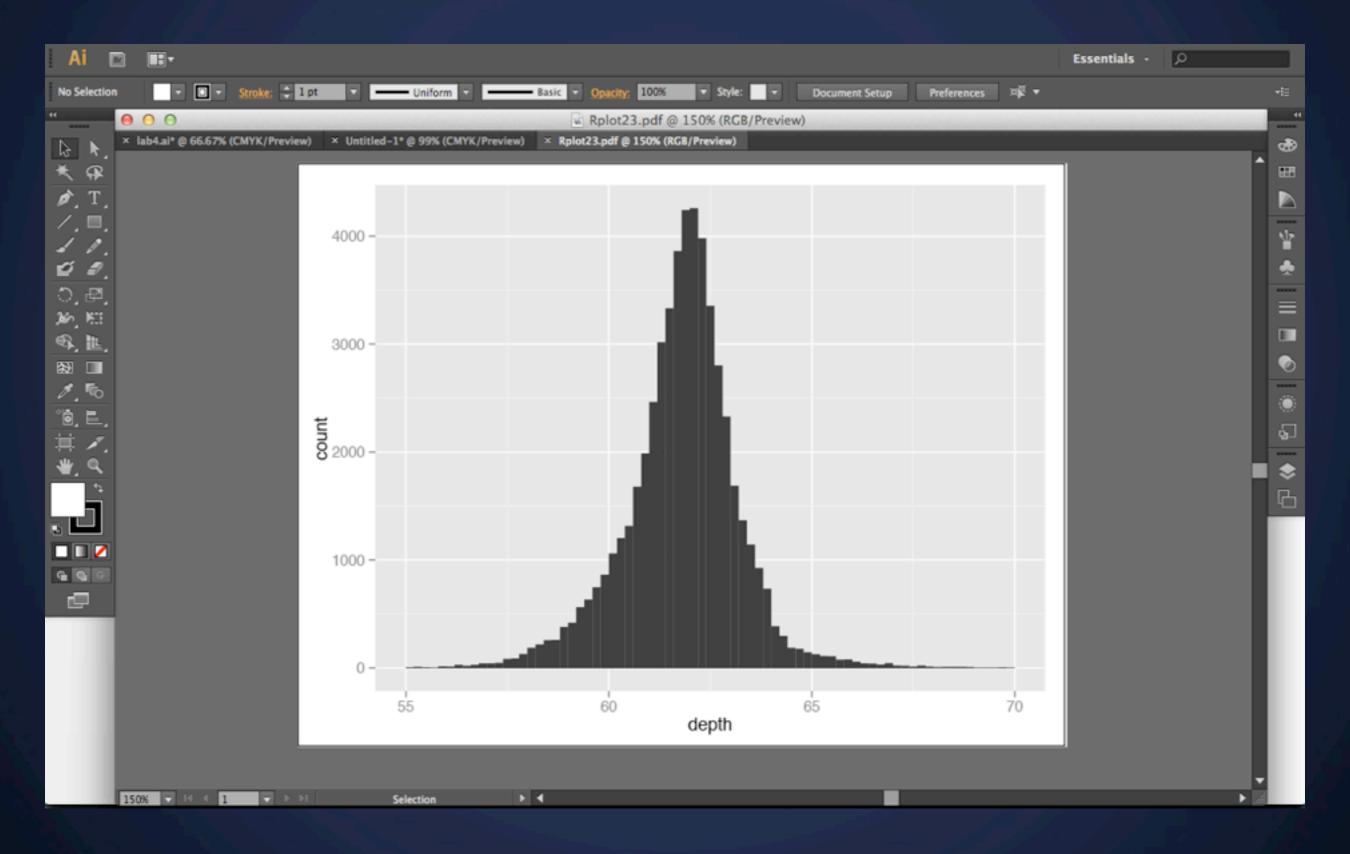
Remember this?



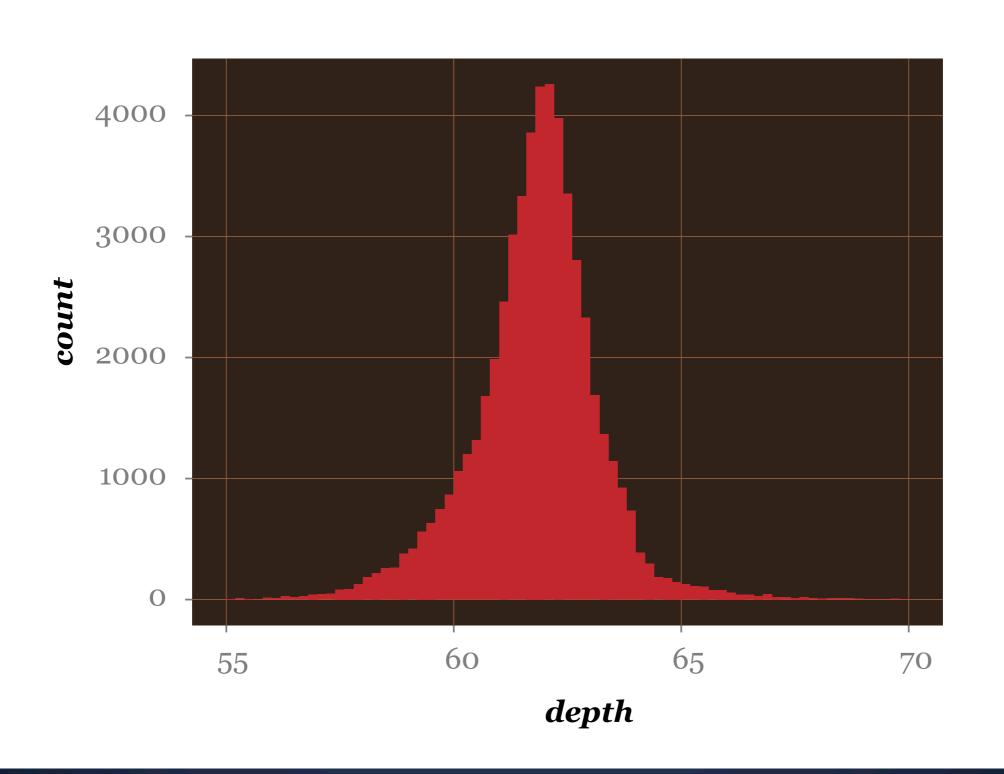
Exporting to PDF



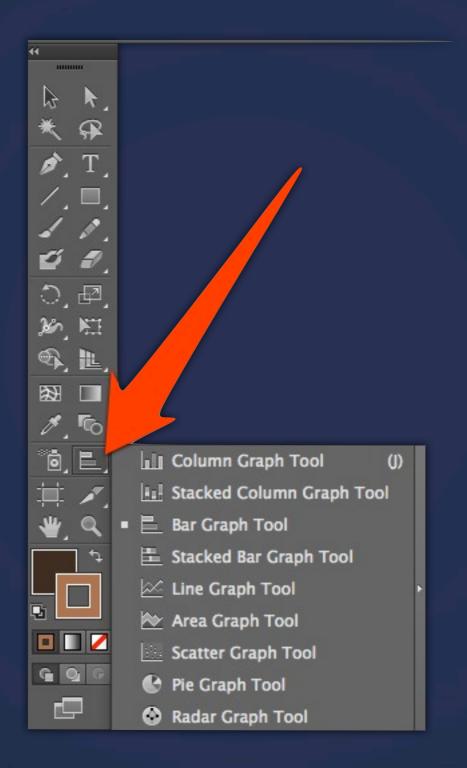
Importing with AI



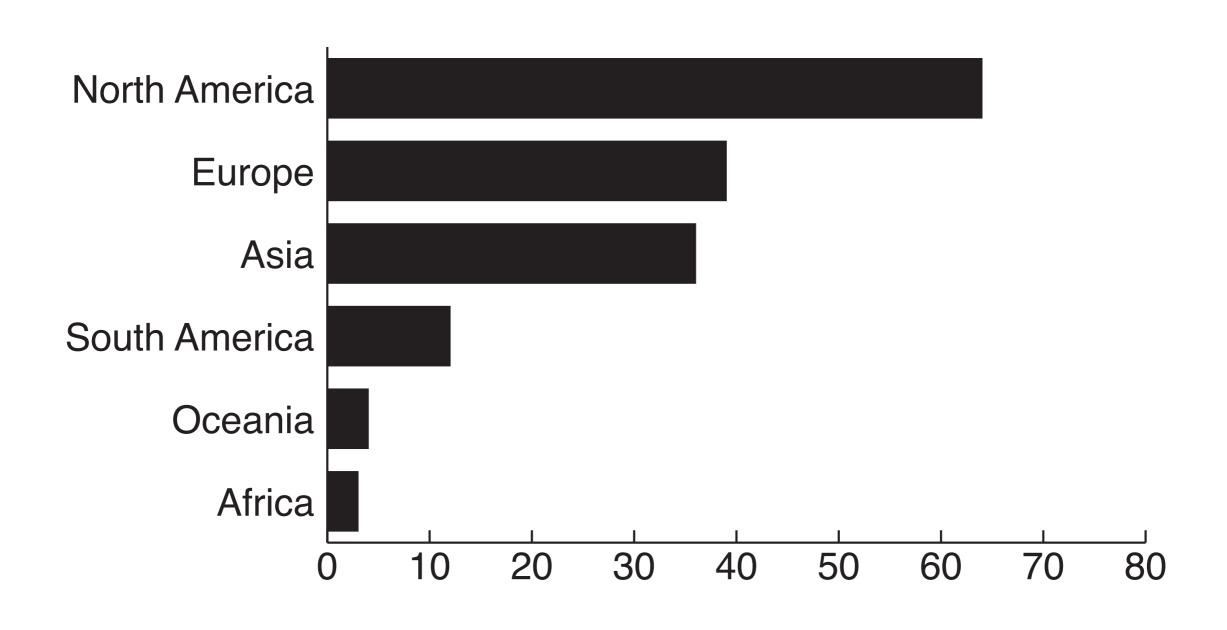
Apply some Polish



Graph Tool

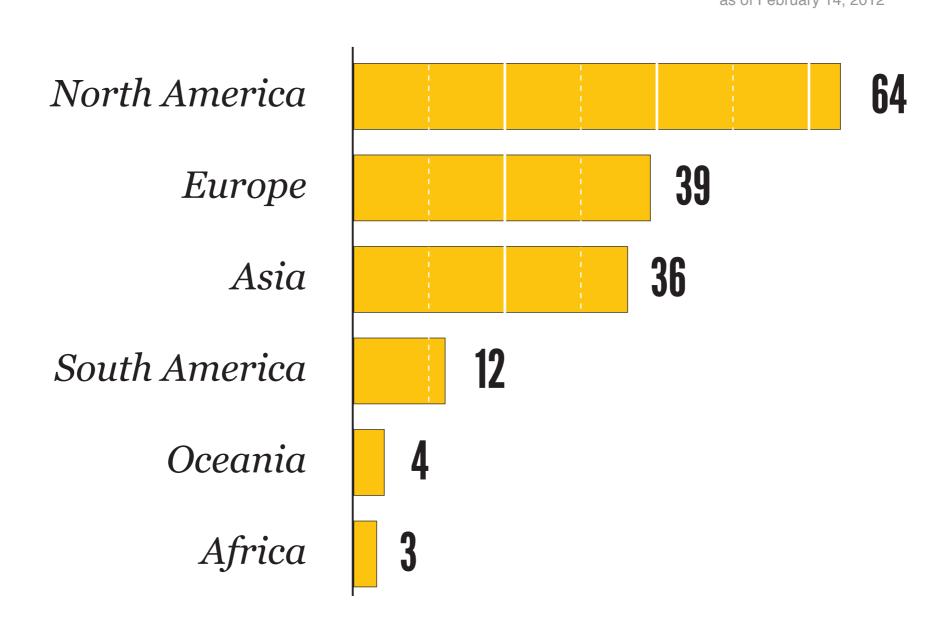


Let's try it - Bar Chart

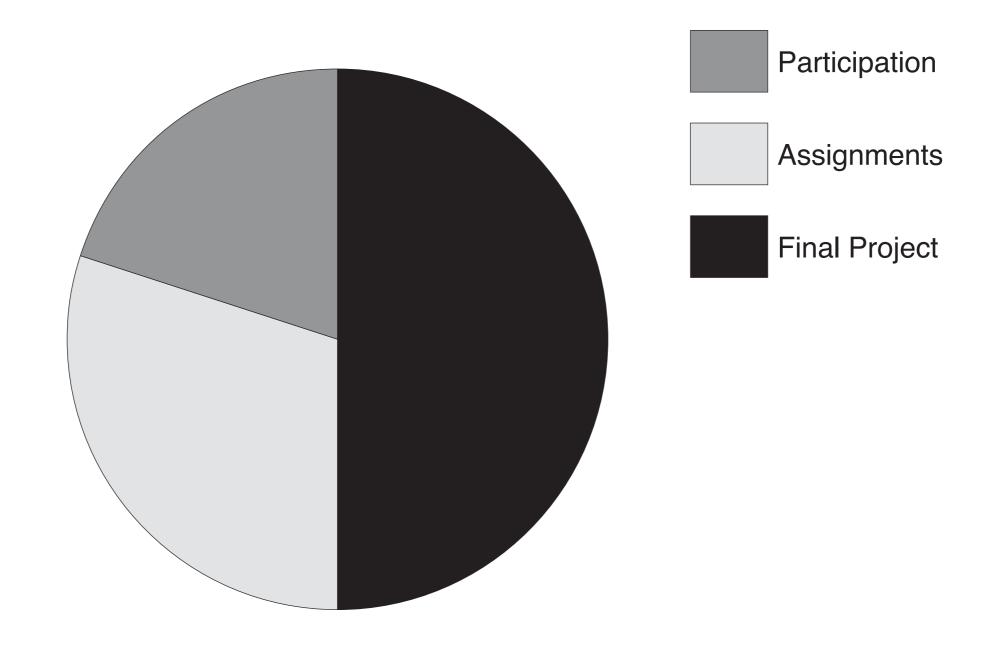


Let's try it - Bar Chart

Hard Rock Cafe Openings Worldwide

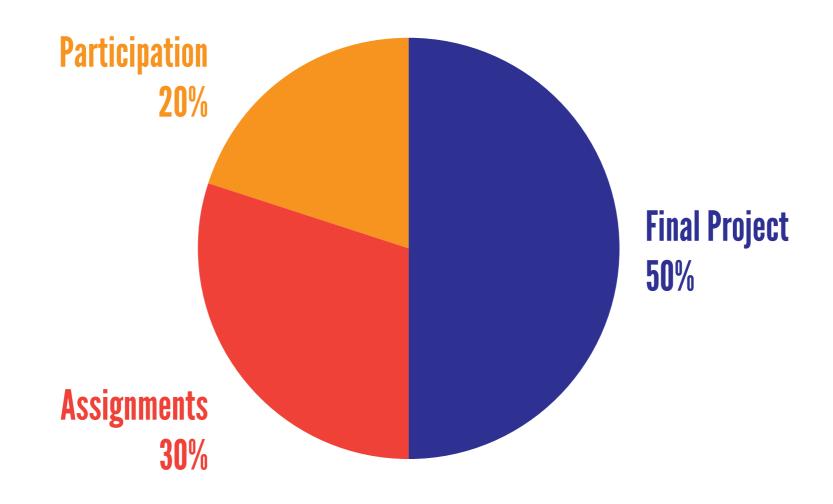


Pie Chart



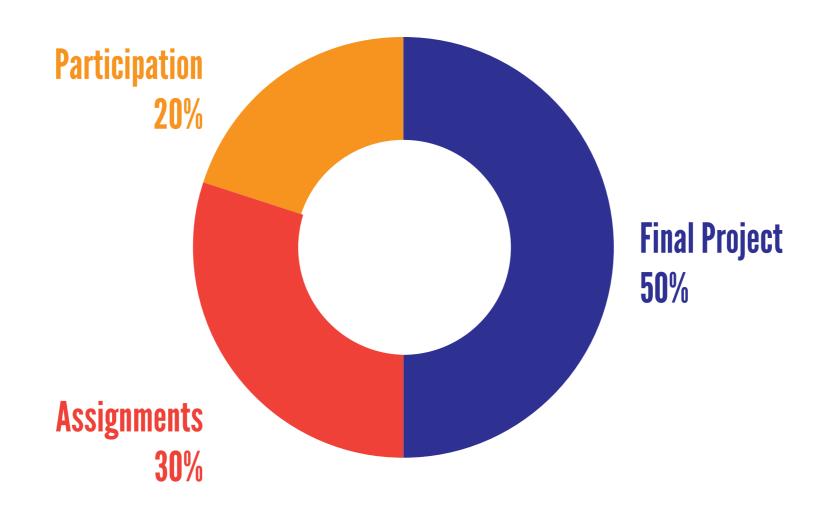
Pie Chart

Grade Breakdown INFO247 (Spring 13)



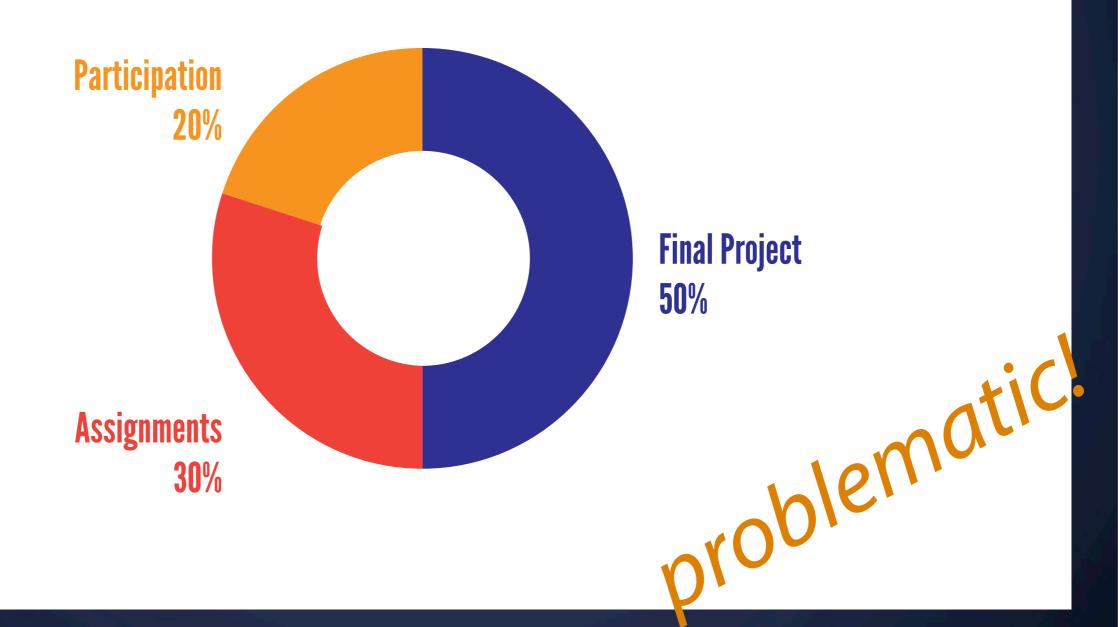
Donut Chart

Grade Breakdown INFO247 (Spring 13)



Donut Chart

Grade Breakdown INFO247 (Spring 13)



Unit Chart

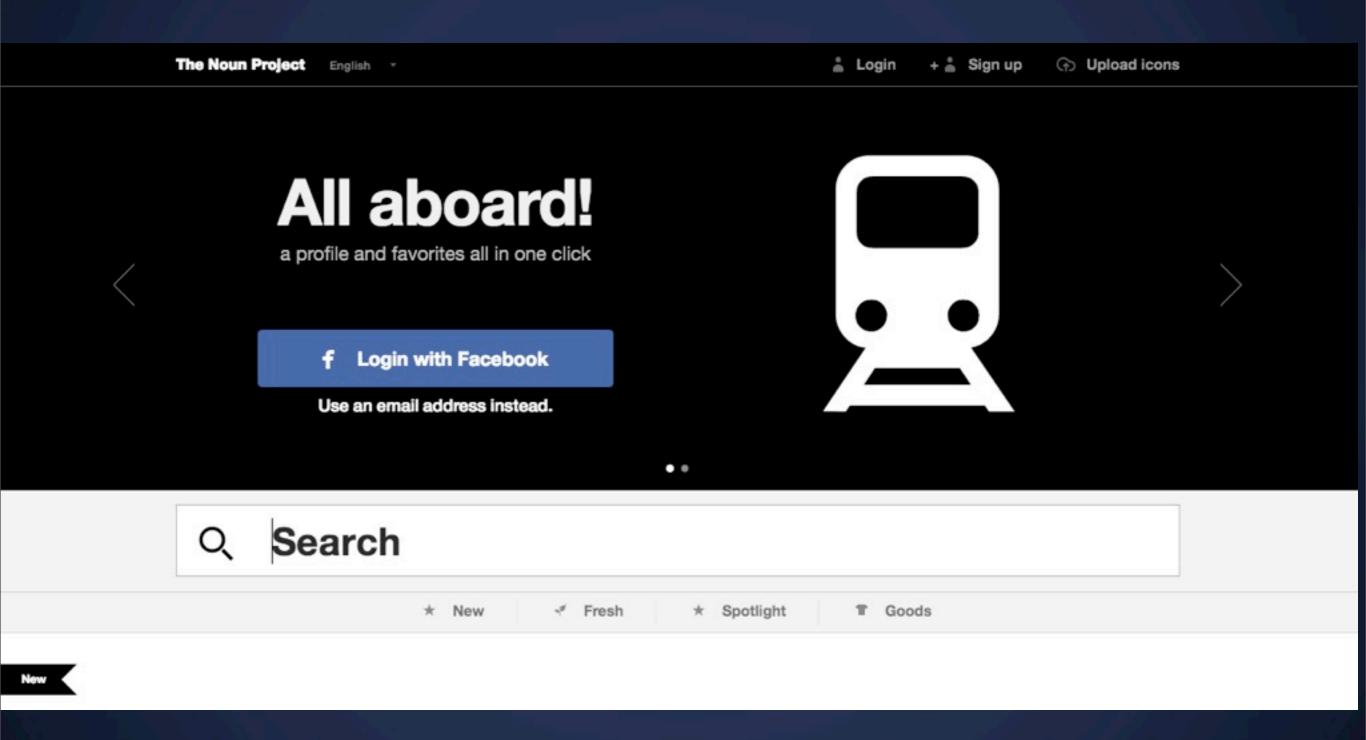
19.53%

of the US population* receives food stamps



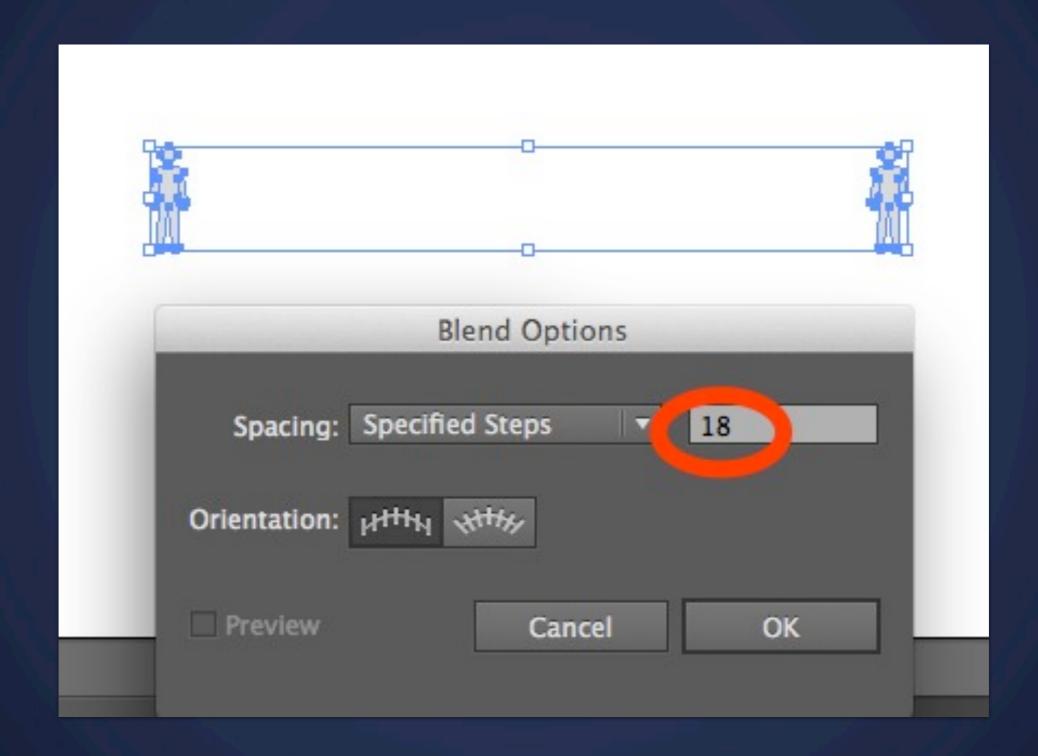
^{*} based on civilian noninstitutional population. Source: USDA

Noun Project



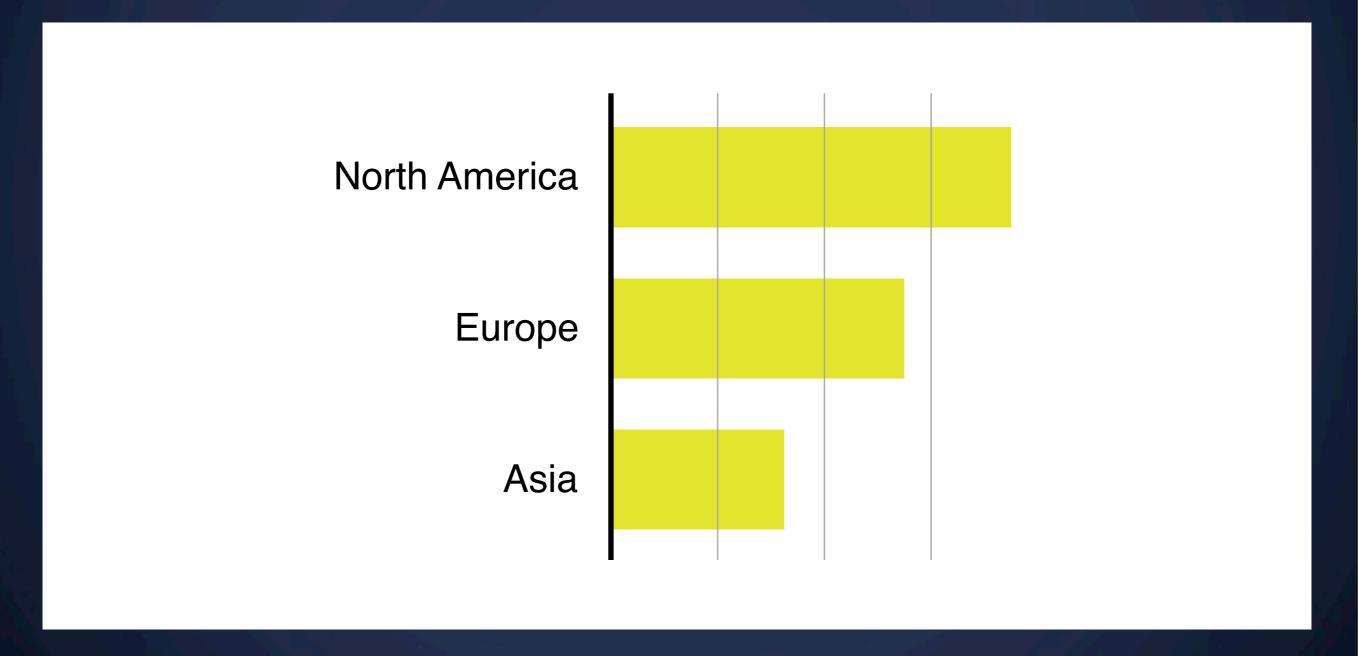
http://thenounproject.com

Unit Chart



Download from class blog

small-barchart-export.svg



Open the file in Textmate

```
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                                                             svg-export.svg
     <?xml version="1.0" encoding="utf-8"?>
    <!-- Generator: Adobe Illustrator 16.0.0, SVG Export Plug-In . SVG Version: 6.00 Build 0) -->
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          width="792px" height="612px" viewBox="0 0 792 612" xml:space="preserve">
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 9
100
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13
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140
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28
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29 🖽
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30
31
32 0 </svg>
33
Line: 16 Column: 1

⊕ SVG

                               : ⊙ ▼ Soft Tabs: 4 : -
```

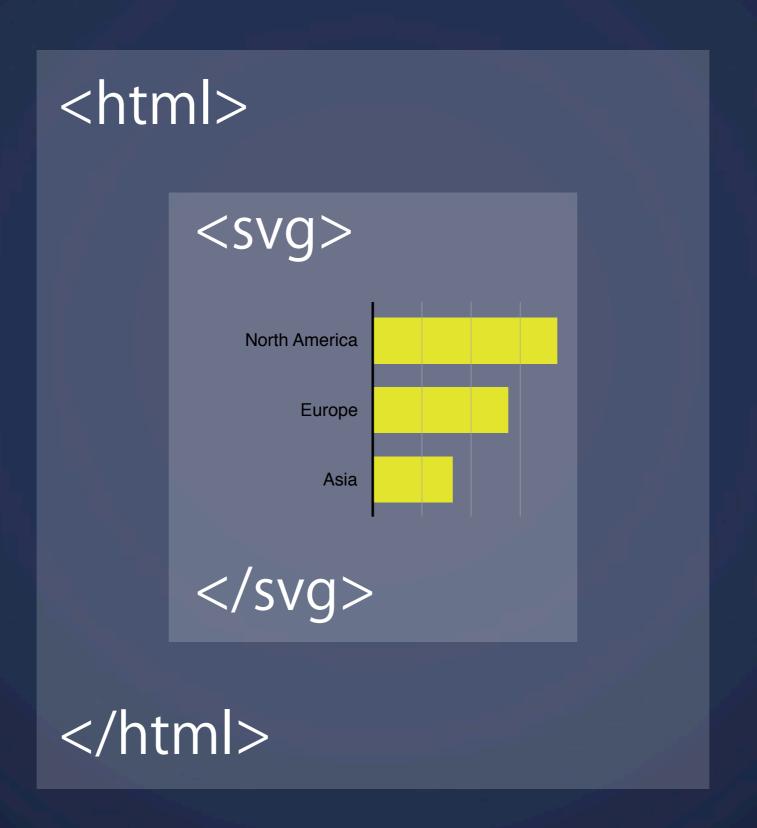
Scalable Vector Graphics



HTIVIL & SVG



HTIVIL & SVG



Next Labs

Vector graphics in the browser!

Raphaël.js and D3.js

Announcement

Assignment 3

Task Create an explanatory visualization from a data set of your choice

Deliverable Visualizations (Different iterations) and

2 page writeup (500 words)

Due Tuesday Feb 26, 3:00PM

- Find a data set you're passionate about.
- Form Hypotheses; iterate on your visualization.
- Tell a story; show iterations.
- You can use any tool you like;

More information on the class blog

Next Lecture

Perception / Color