

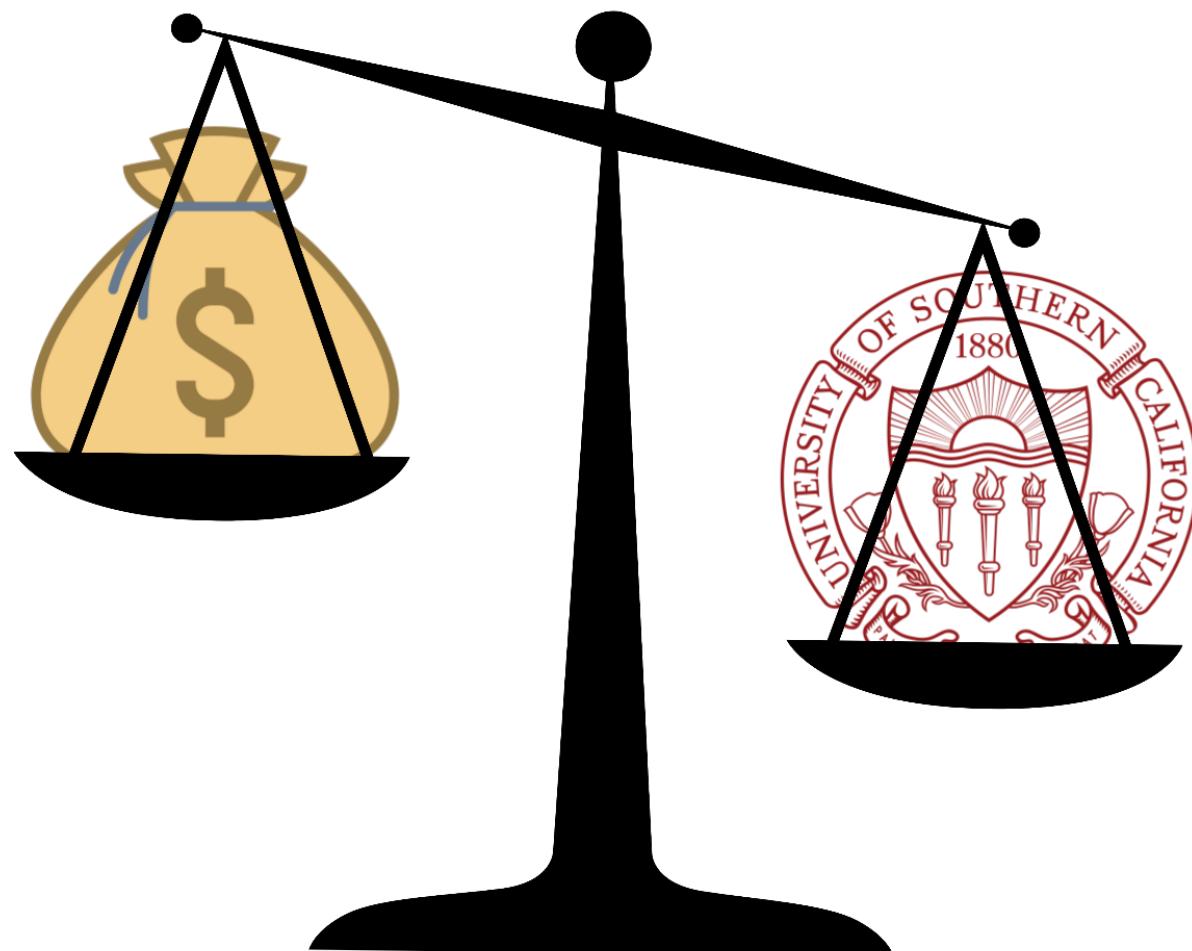
# Earn What You Learn

Team Name:  
**WeLoveInfoVis**

Team members:  
**Yi Wei, Yu Ru, Longfei Li**

2

# Visualize income by school and major to help plan a better career.



# p Why interesting?



# Inspiration

**SHRM**  
SOCIETY FOR HUMAN  
RESOURCE MANAGEMENT

HR TODAY    RESOURCES & TOOLS    LEARNING & CAREER    EVENTS

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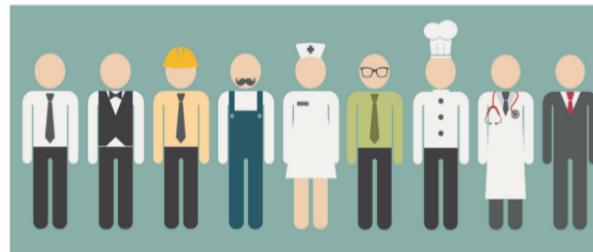
## 2017 Employee Job Satisfaction and Engagement: The Doors of Opportunity Are Open

Apr 24, 2017

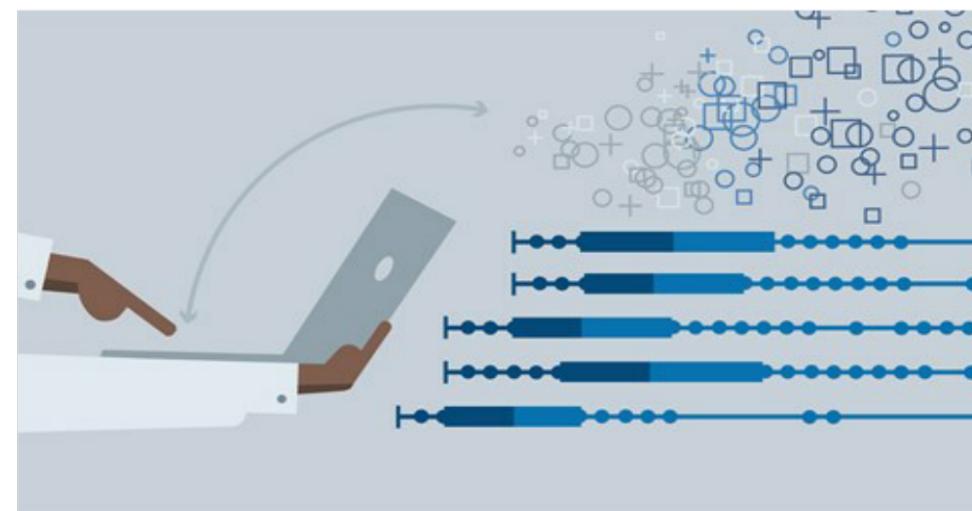
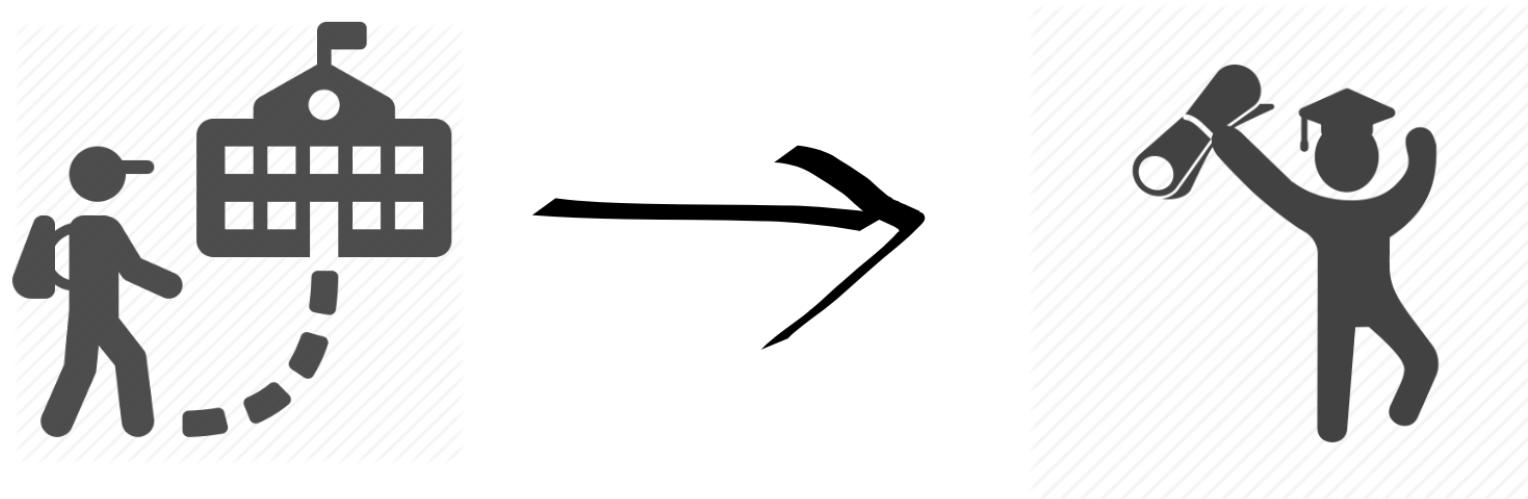
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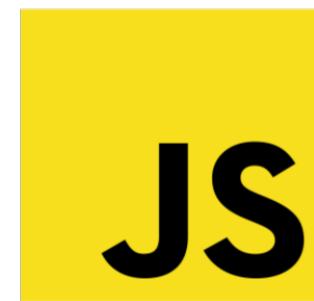
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# Importance and Usefulness





# Data Set

Reviewed Dataset

## Where it Pays to Attend College

Salaries by college, region, and academic major

The Wall Street Journal • last updated 7 months ago

Overview Data Kernels Discussion Activity Download (16 KB) New Kernel

3 Files (72.48 KB)

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**degrees-that-pay-back.csv**  
5.06 KB • Updated 7 months ago

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About this file  
Degrees that pay back

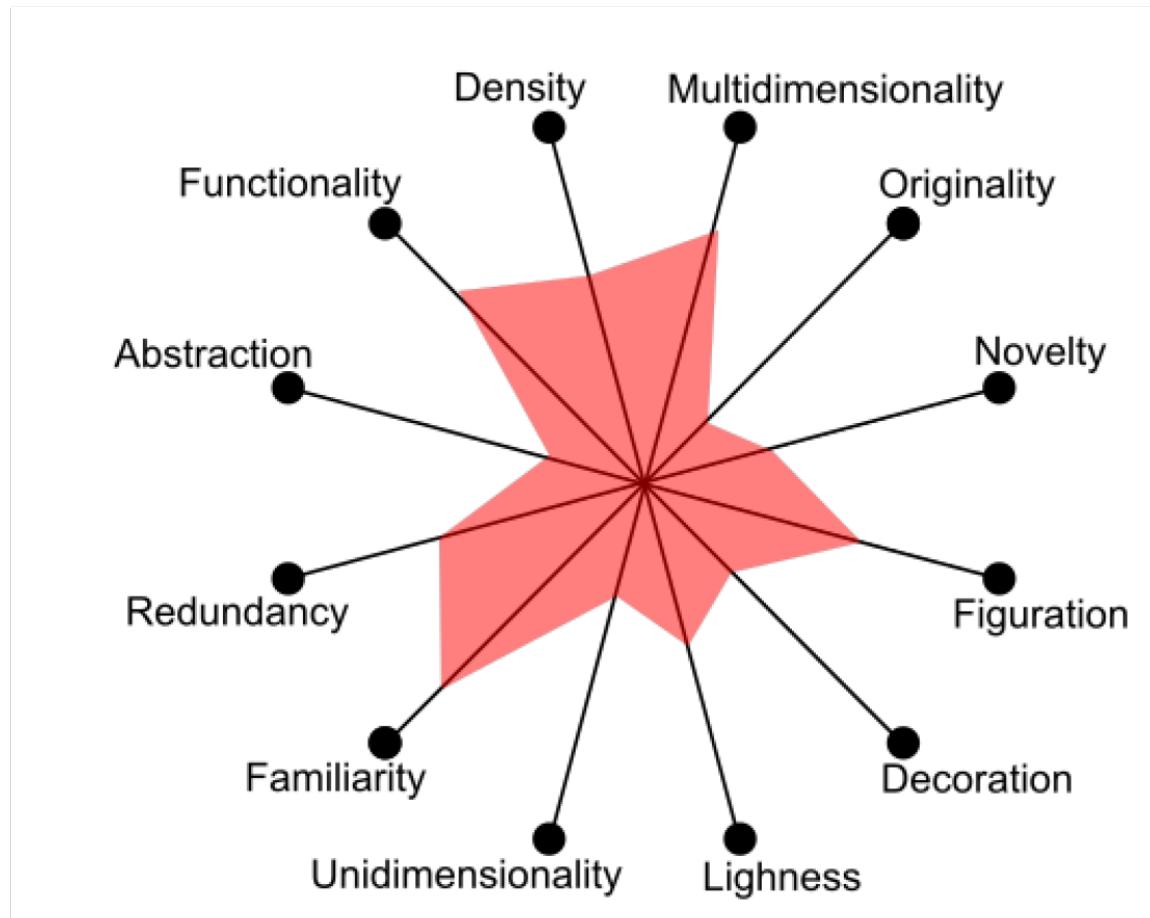
Preview (first 100 rows) Column Metadata Column Metrics

| Undergraduate Major   | Starting Median Salary | Mid-Career Median Salary | Percent change from | Mid-Career 10th Percentile | Mid-Career 25th Percentile | Mid-Career 75th Percentile | Mid-Career 90th Percentile |
|-----------------------|------------------------|--------------------------|---------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Accounting            | \$46,000.00            | \$77,100.00              | 67.6                | \$42,200.00                | \$56,100.00                | \$108,000.00               | \$152,000.00               |
| Aerospace Engineering | \$57,700.00            | \$101,000.00             | 75                  | \$64,300.00                | \$82,100.00                | \$127,000.00               | \$161,000.00               |
| Agriculture           | \$42,600.00            | \$71,900.00              | 68.8                | \$36,300.00                | \$52,100.00                | \$96,300.00                | \$150,000.00               |
| Anthropology          | \$36,800.00            | \$61,500.00              | 67.1                | \$33,800.00                | \$45,500.00                | \$89,300.00                | \$138,000.00               |
| Architecture          | \$41,600.00            | \$76,800.00              | 84.6                | \$50,600.00                | \$62,200.00                | \$97,000.00                | \$136,000.00               |
| Art History           | \$35,800.00            | \$64,900.00              | 81.3                | \$28,800.00                | \$42,200.00                | \$87,400.00                | \$125,000.00               |
| Biology               | \$38,800.00            | \$64,800.00              | 67                  | \$36,900.00                | \$47,400.00                | \$94,500.00                | \$135,000.00               |

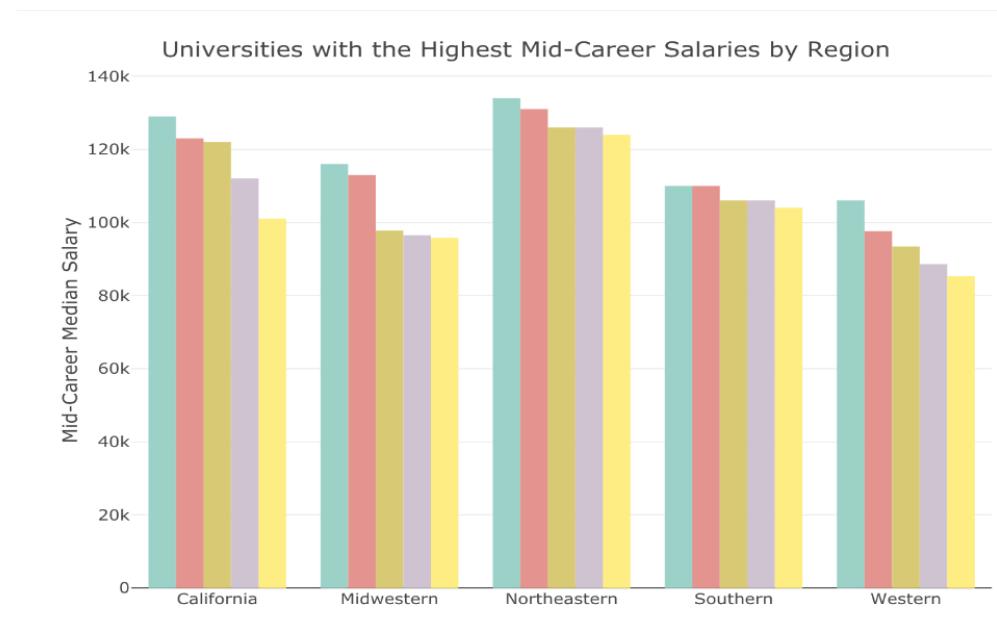
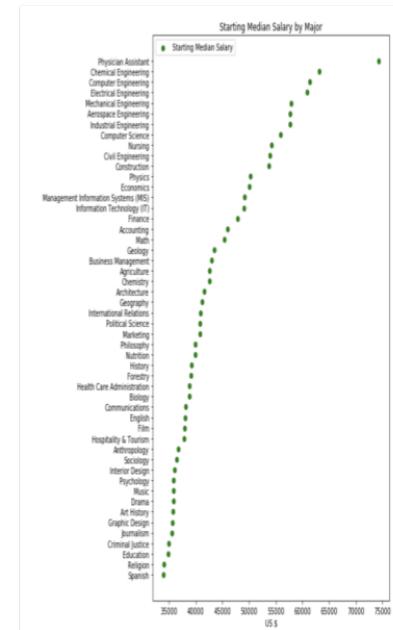
# Design



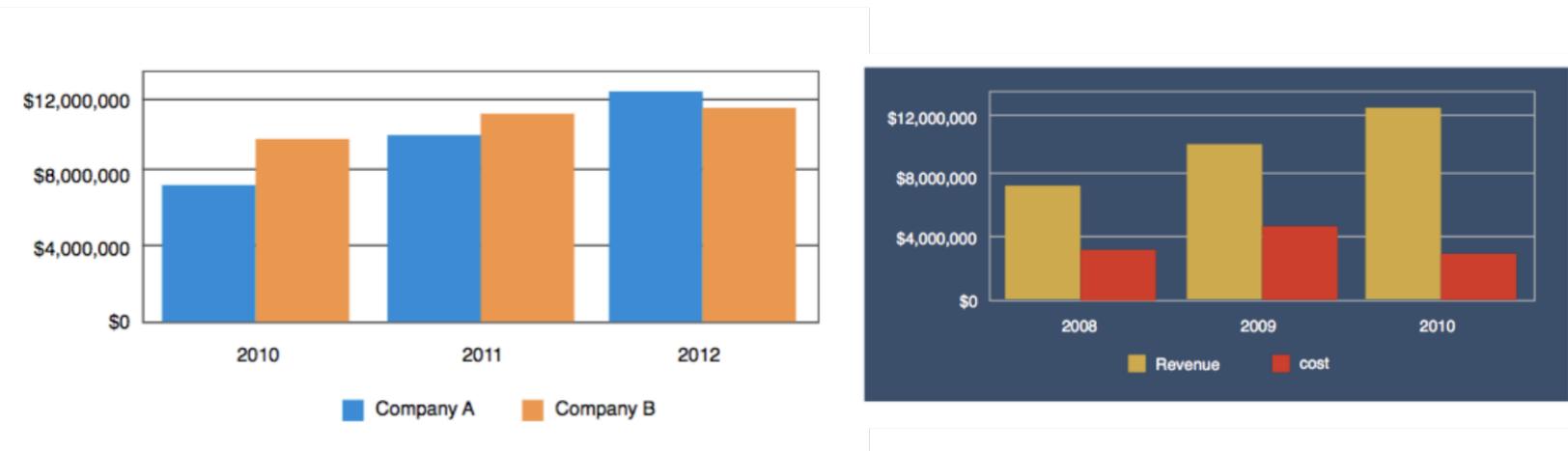
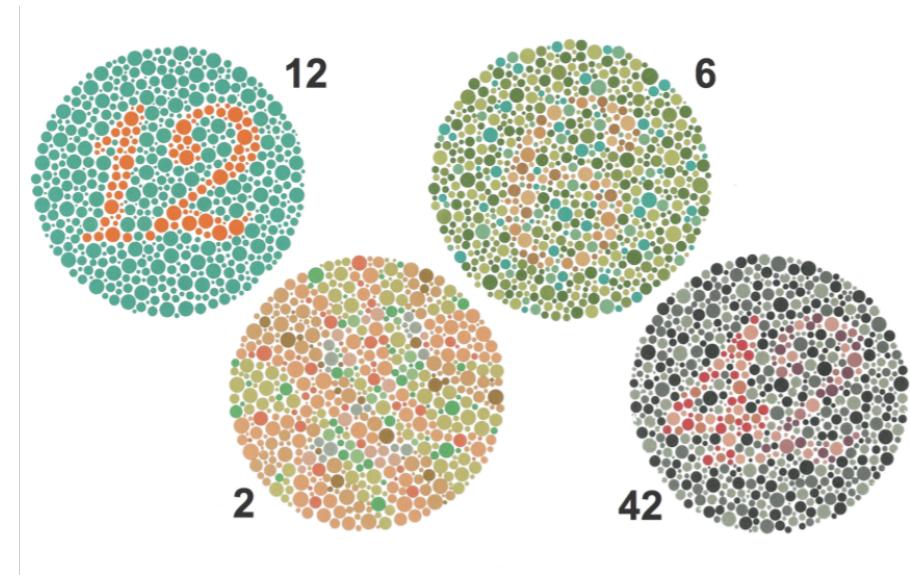
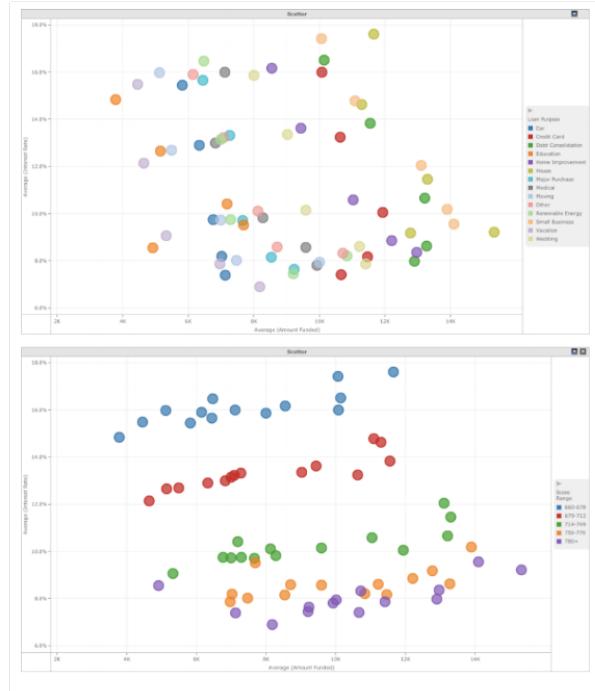
# Visualization wheel



# Related Work

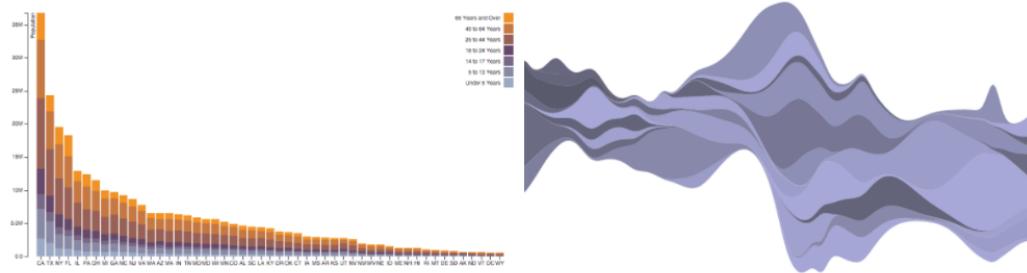


# Considerations



# Layout

## Stacks



Some shape types can be stacked, placing one shape adjacent to another. For example, a bar chart of monthly sales might be broken down into a multi-series bar chart by product category, stacking bars vertically. This is equivalent to subdividing a bar chart by an ordinal dimension (such as product category) and applying a color encoding.

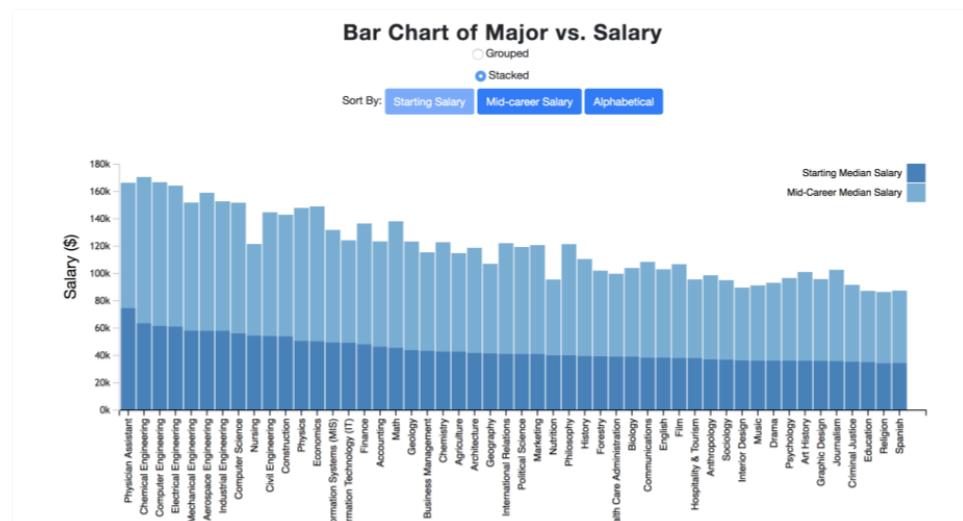
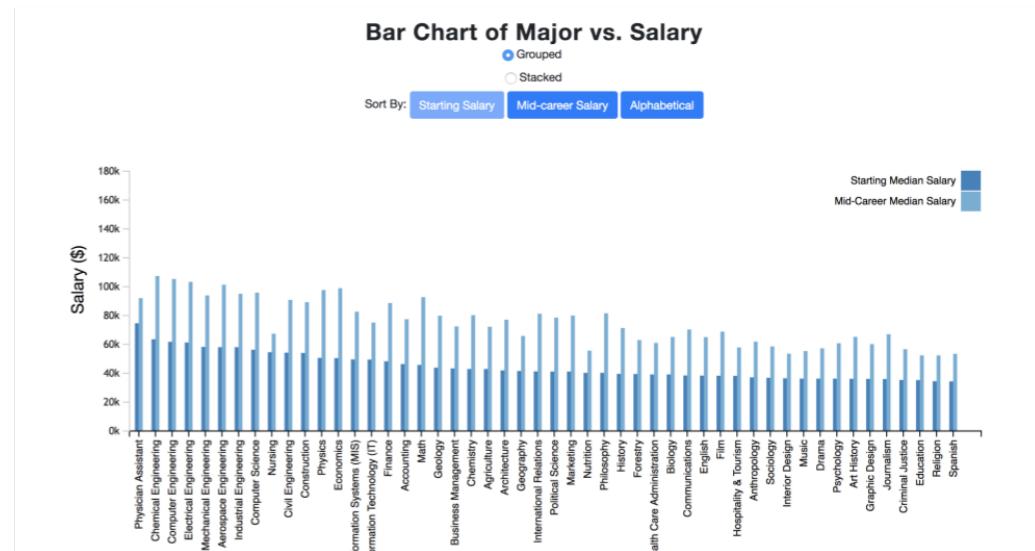
Stacked charts can show overall value and per-category value simultaneously; however, it is typically harder to compare across categories, as only the bottom layer of the stack is aligned. So, chose the [stack order](#) carefully, and consider a [streamgraph](#). (See also [grouped charts](#).)

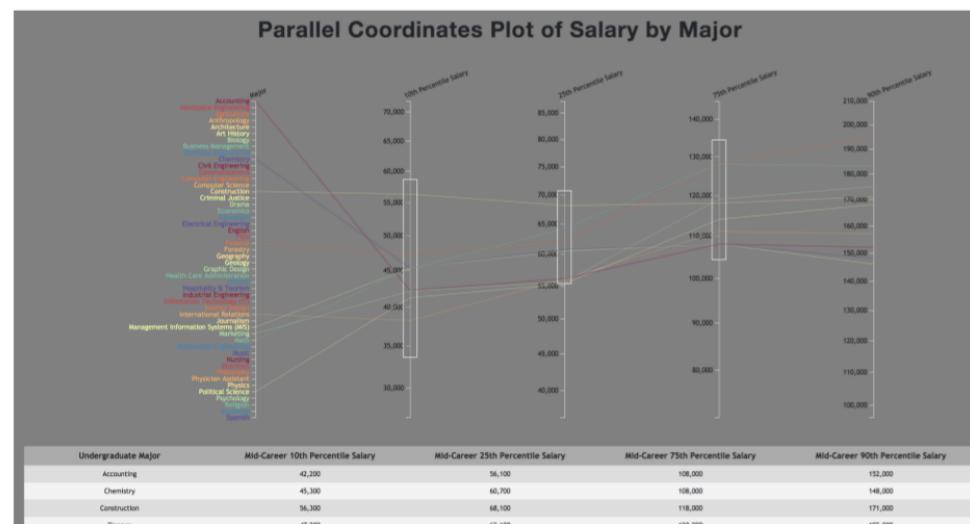
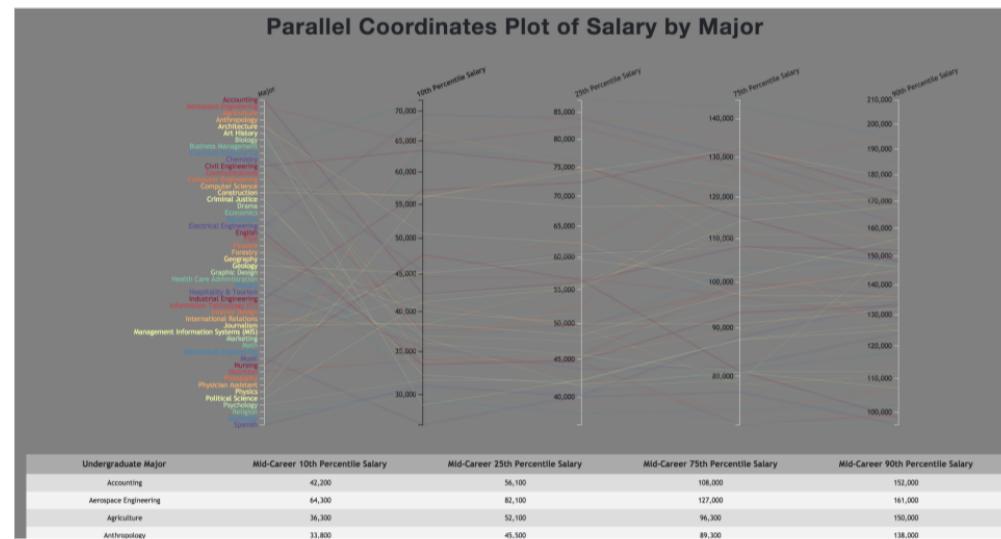
Like the [pie generator](#), the stack generator does not produce a shape directly. Instead it computes positions which you can then pass to an [area generator](#) or use directly, say to position bars.

```
# d3.stack() <>
```

Constructs a new stack generator with the default settings.

```
# stack(data[, arguments...]) <>
```

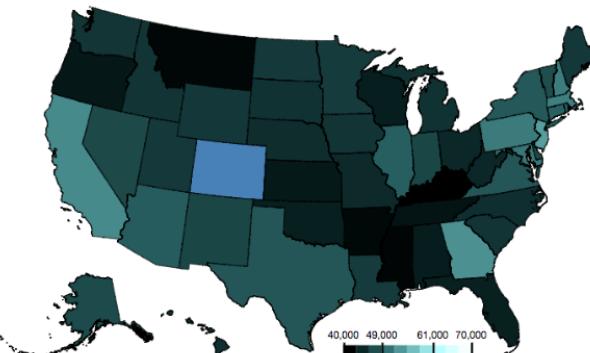




## Choropleth Map of Salary Ranks

Group By: State

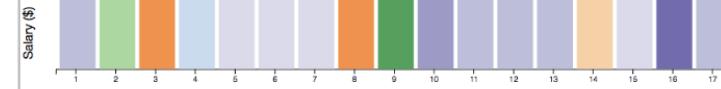
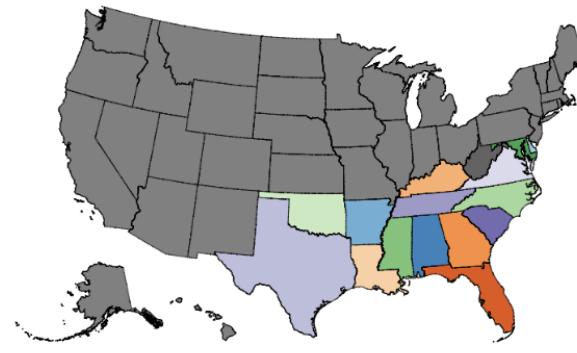
Region



## Choropleth Map of Salary Ranks

Group By: State

Region



<http://www-scf.usc.edu/~longfeil/weloveinfovis/>