

Data Chefs Visualization Revision Organizer

What does the data say?

I. Data (Brief Description)

Share of survey respondents by self-reported age category.

II. Data Source(s)

[O'Reilly 2016 Data Science Salary Survey](#)
p. 9

III. Data Analysis Notes

Total of values > 100%, likely due to rounding.

IV. Current Visualization Type(s)

Multiple circles, sized based on value, ranked from largest to smallest and placed in an arc pattern.

V. Current Visualization Problem(s)

- Hard to assess size difference between some circles.
- Wrap-around order of circles confusing.
- No sense of part-whole.
- Total is greater than 100% (rounding)

VI. Proposed Visualization Change(s) & Rationale

Change to Pie/donut chart, waffle chart, or 100% Stacked bar chart with variations in intensity for each category.

- Can clearly see each part in relation to whole
- Different colors make categories easier to distinguish.
- Reduce one value so total = 100%

VII. Visualization Tool(s)

Microsoft Excel

VIII. Visualization Notes

No access to raw data, so arbitrarily chose to reduce value 16% to 15%, making the total 100%

IX. Final File Name(s), Locations

N/A

What does the chart say?