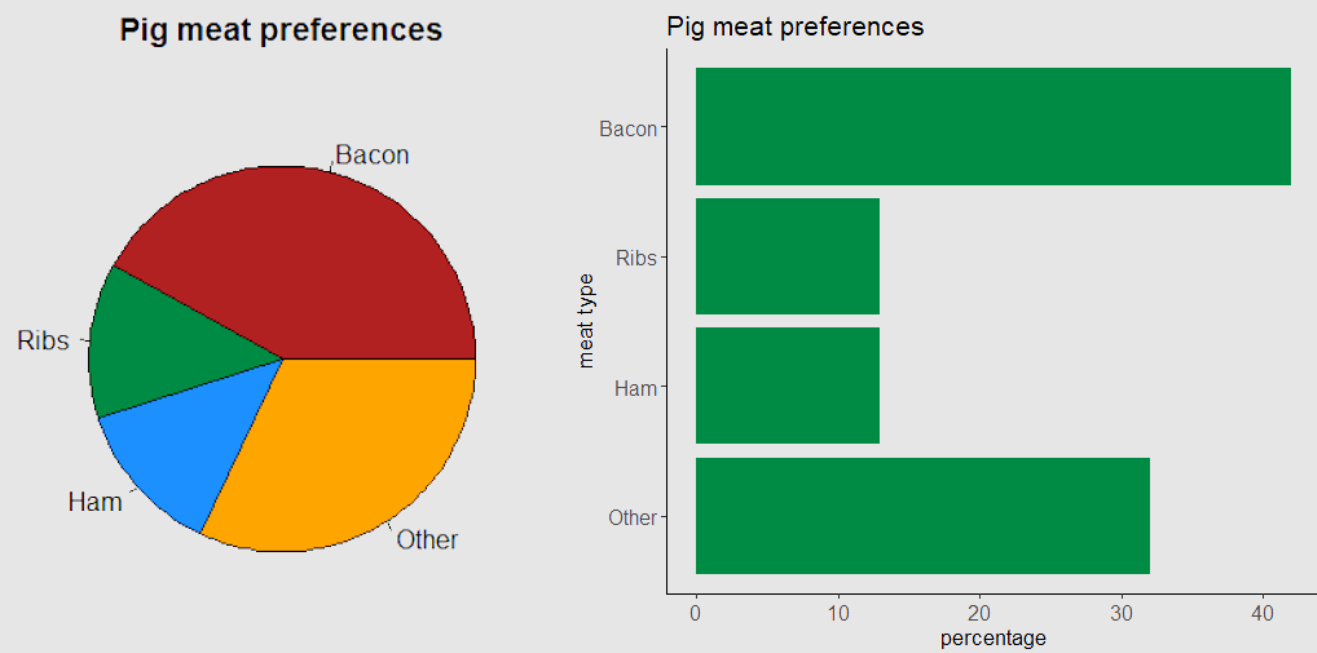


Most popular mistakes in making charts

how to spot and avoid them

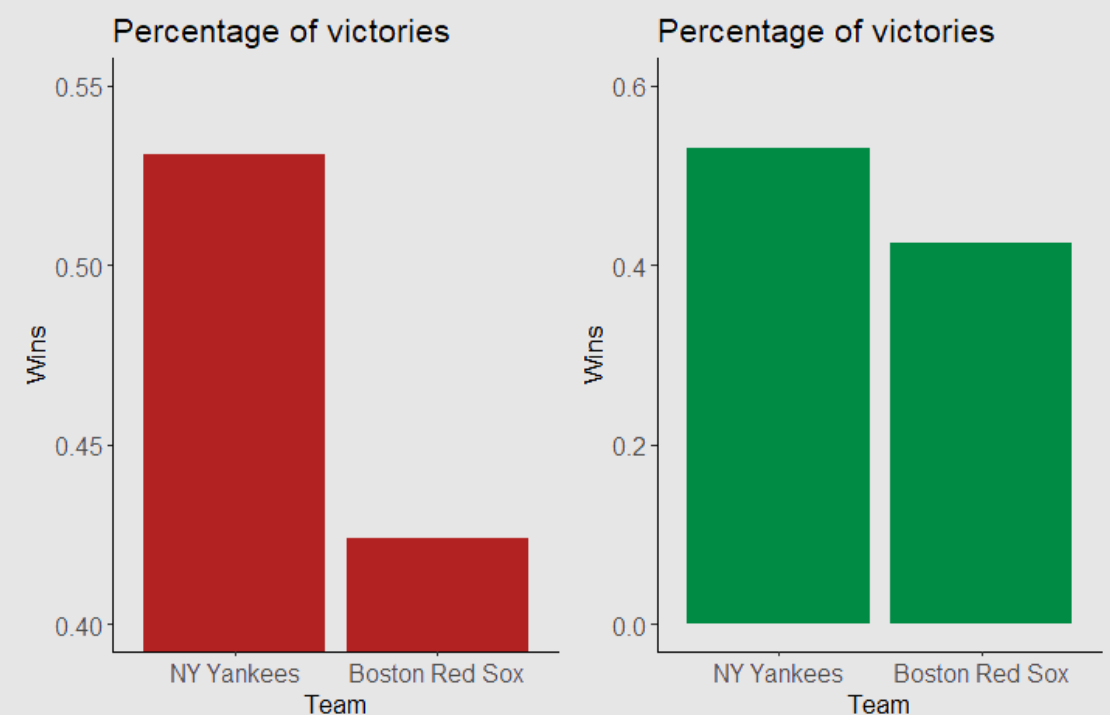
Pie charts



- ✗ Human is not able to compare angles really well
- ✗ Many colors can be difficult to distinguish by colorblind people
- ✓ Differences in bars lengths are easy to spot
- ✓ One color improves aesthetics

[source](#)

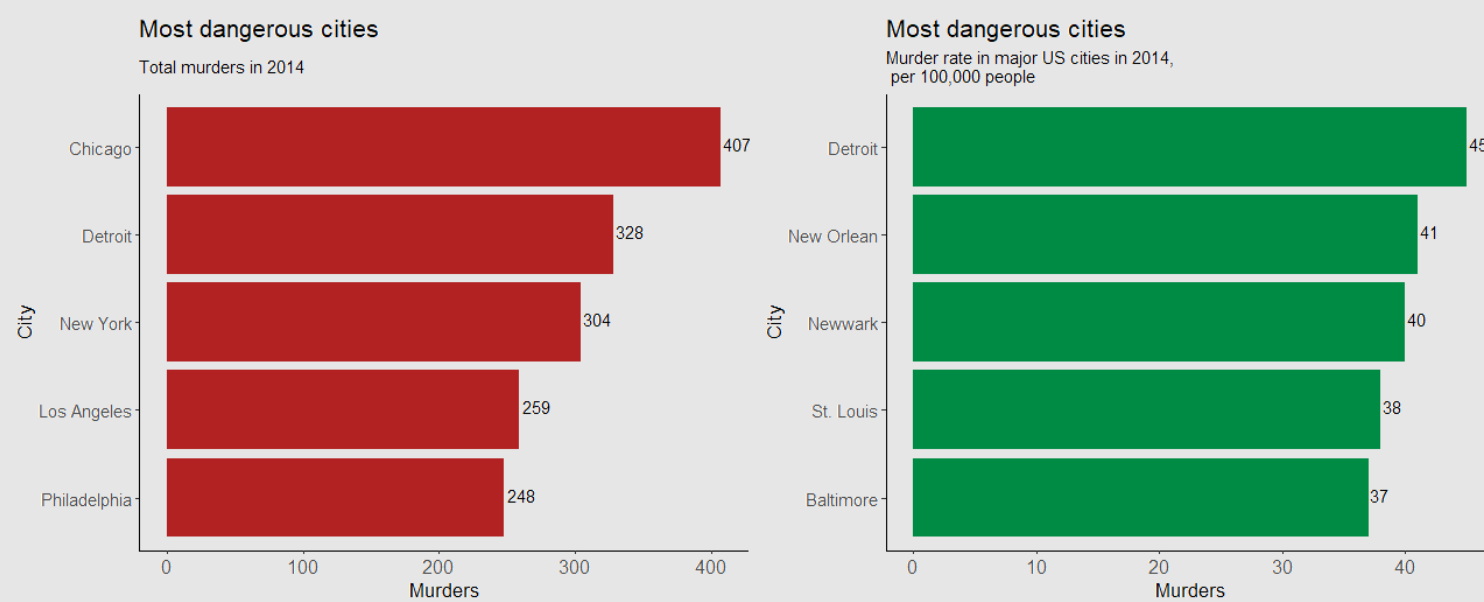
Y-axis doesn't start in 0



- ✗ Difference between bars looks much bigger than it really is
- ✗ Can be easily misinterpreted
- ✓ Shows fair comparison

[source](#)

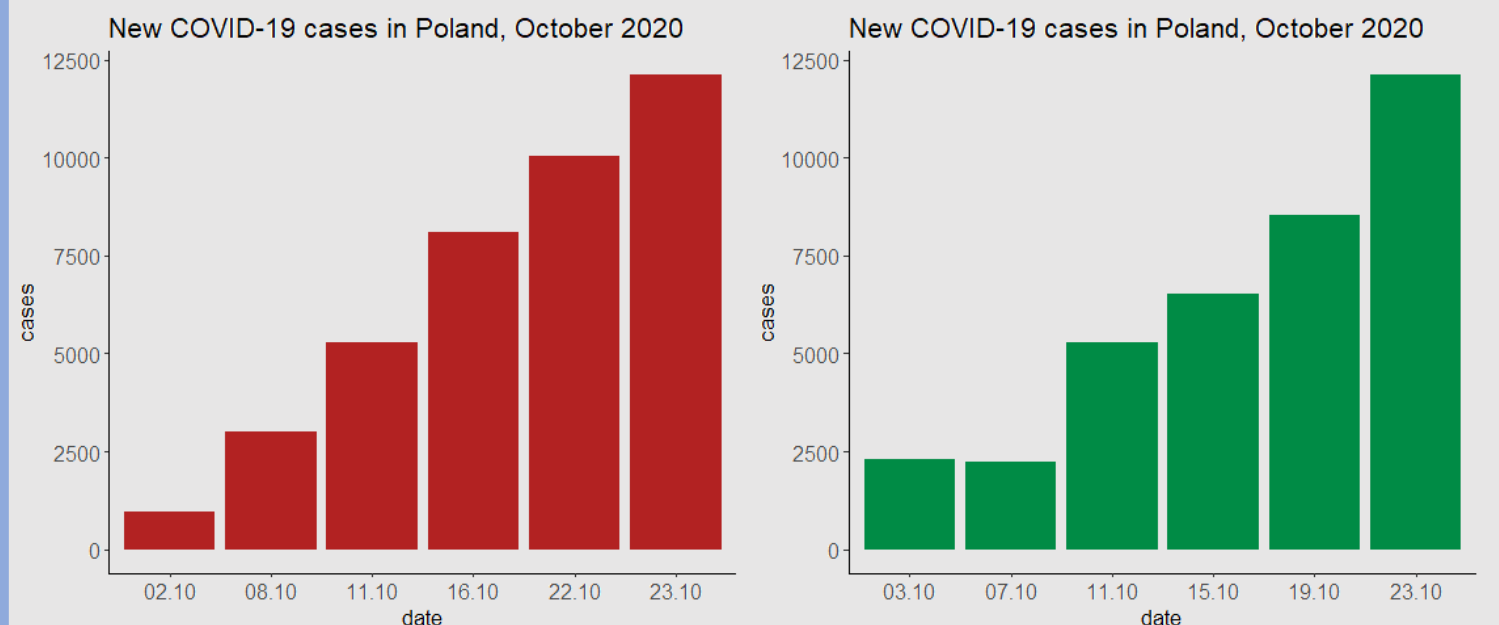
Population



- ✗ Compares living places without telling how many people live there
- ✓ Shows proper statistics about each place

[source](#)

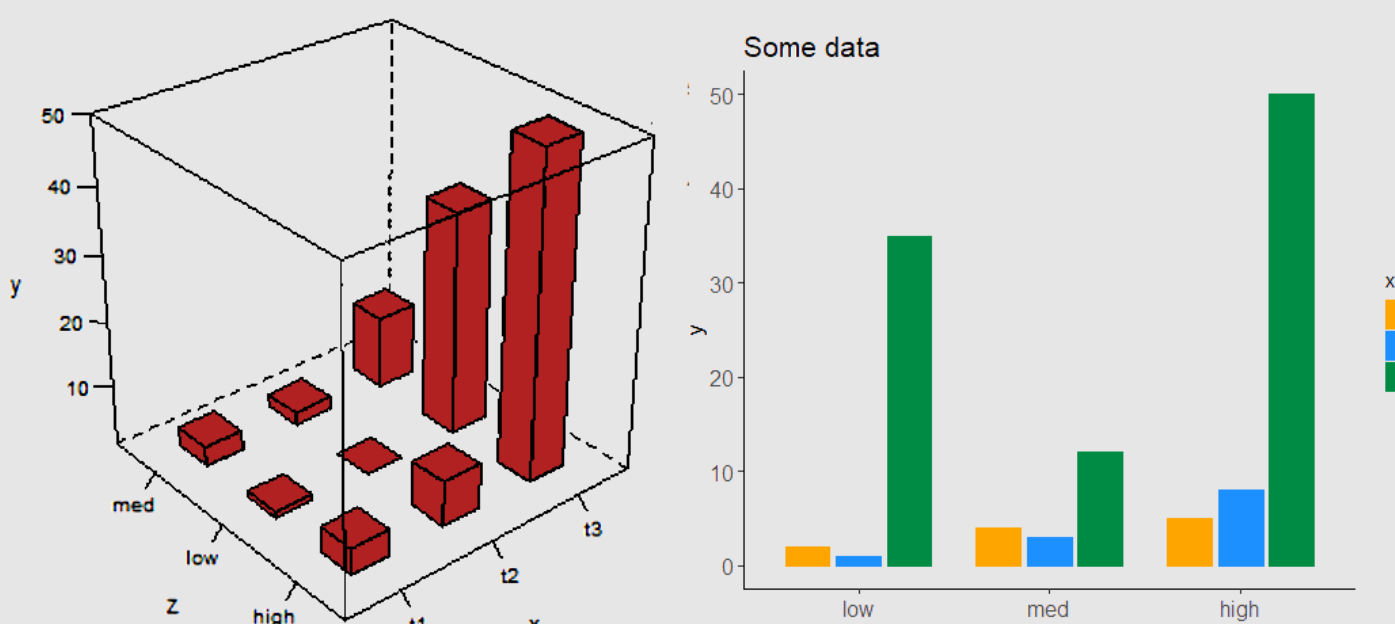
Unequal intervals on X-axis



- ✗ Unequal intervals on X-axis allows to manipulate data and show wrong tendency
- ✓ Constant intervals on X-axis show accurate tendency

[source](#)

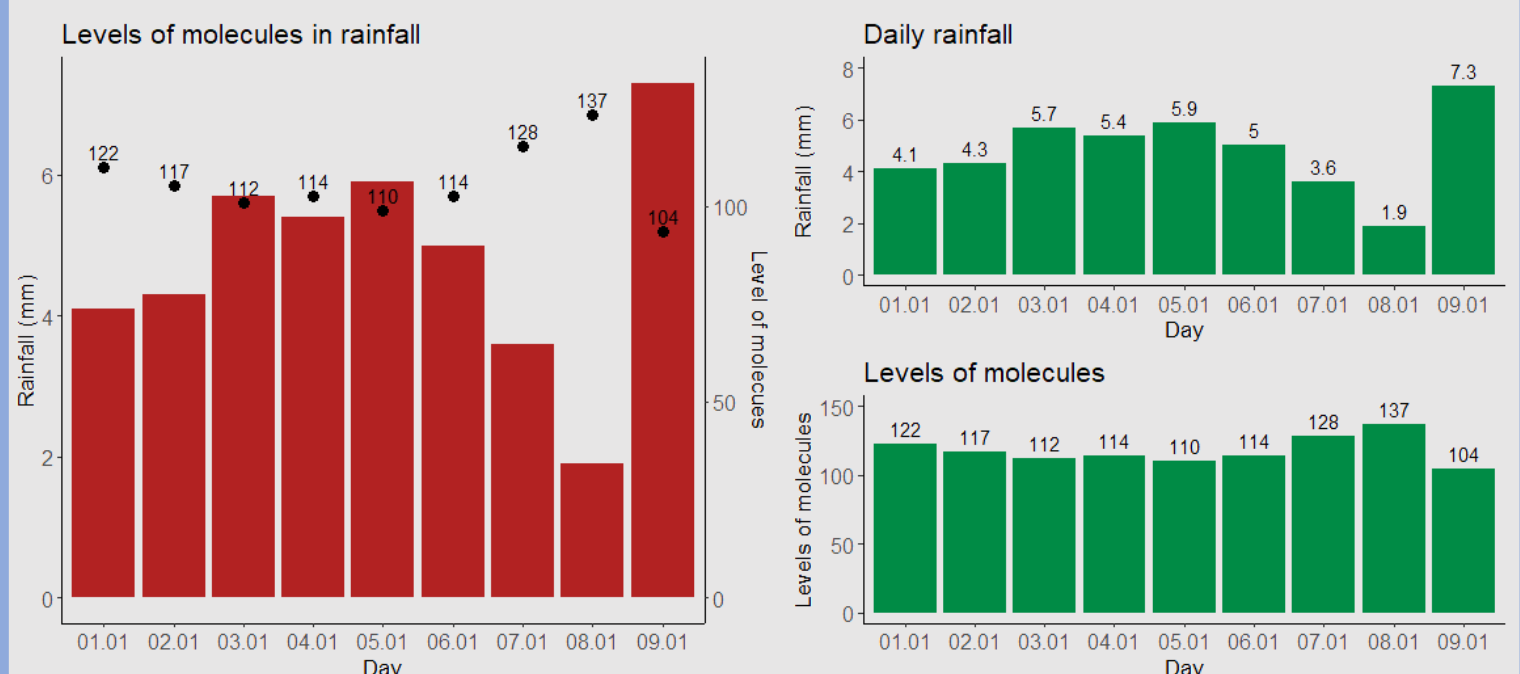
3D barplots



- ✗ 3D representations impede reading values
- ✗ Difficult to analyze and find correlations
- ✓ 2D representations in much more transparent
- ✓ Easy to analyse, read values and find correlations

[source](#)

Two Y-axes on one diagram



- ✗ Shows non-existing correlation between data
- ✗ Difficult to analyze
- ✓ Easy to analyze
- ✓ More legible
- ✓ Does not suggest any correlation between data

[source](#)

