

HOMEWORK 1: VISUALIZATION FUNDAMENTALS

Prepare a write-up that includes your solutions to the following questions from the course exercise sheet. **Make sure to include all your code and clearly specify where each new problem begins.**

Coding

- ~~Sales Summaries [3 points]~~ This problem is no longer required.
- Reshaping Practice [3 points]
- City Temperatures [3 points]
- Soccer Code Review [3 points]
- Visual Redesign [5 points]

Discussion

- Antibiotics Comparison [3 points]
- Homelessness [3 points]

Grading Criteria

Each coding problem will be graded according to the following criteria,

- Attention to detail in visual design. Your design choices should demonstrate critical thinking around the appearance of graphical marks and the queries that they support.
- Elegant code style. The code you use to implement your visualizations should be readable, modular, and concise. You may find it helpful to check your code against the Tidyverse [style guide](#).
- Thoughtful explanations, interpretations, and organization. Your justifications should be complete, your interpretations should draw creatively from relevant sources, and the submission overall should be well-organized and formatted.

Discussion problems will be evaluated based on only the last.