

# **Submission3-HW4**

**Research Methods, Spring 2024**

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<https://github.com/carolinezhansen/medicare1/tree/main>

## **Answers for Homework 4: Submission 1**

## Problem 1

1. Remove all SNPs, 800-series plans, and prescription drug only plans (i.e., plans that do not offer Part C benefits). Provide a box and whisker plot showing the distribution of plan counts by county over time. Do you think that the number of plans is sufficient, too few, or too many?

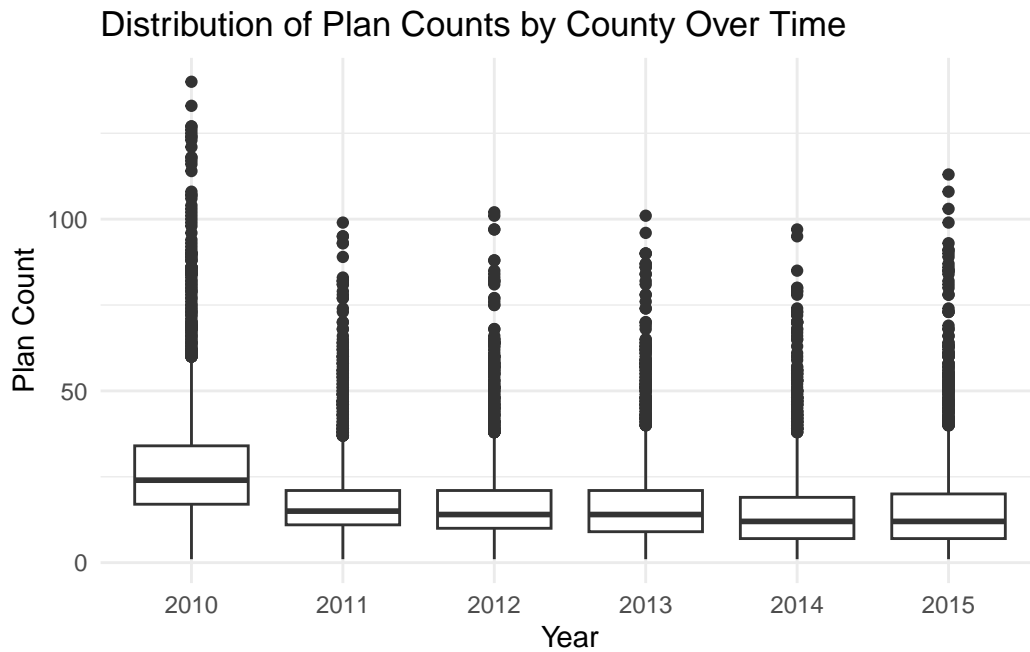


Figure 1: Distribution of Plan Counts By County Over time

## Problem 2

2. Provide bar graphs showing the distribution of star ratings in 2010, 2012, and 2015. How has this distribution changed over time?

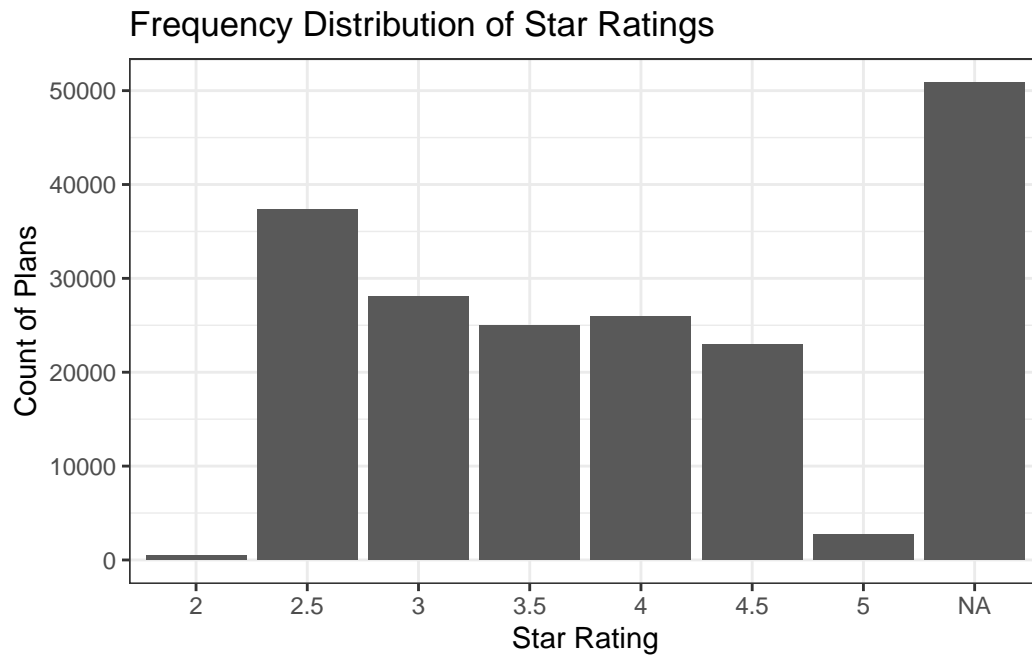


Figure 2: Frequency Distribution of Star Ratings