

Homework 4

Nikhita Gandhe

2025-04-07

Please find the link to my GitHub repository here: <https://github.com/nsgand2/ECON-470-HW4.git>

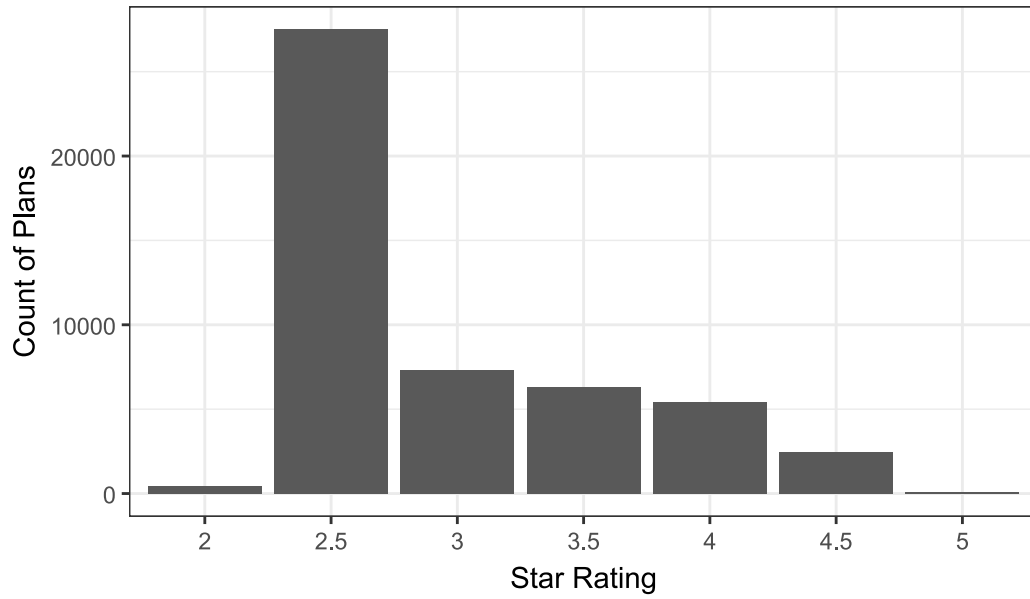
Question 1

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?

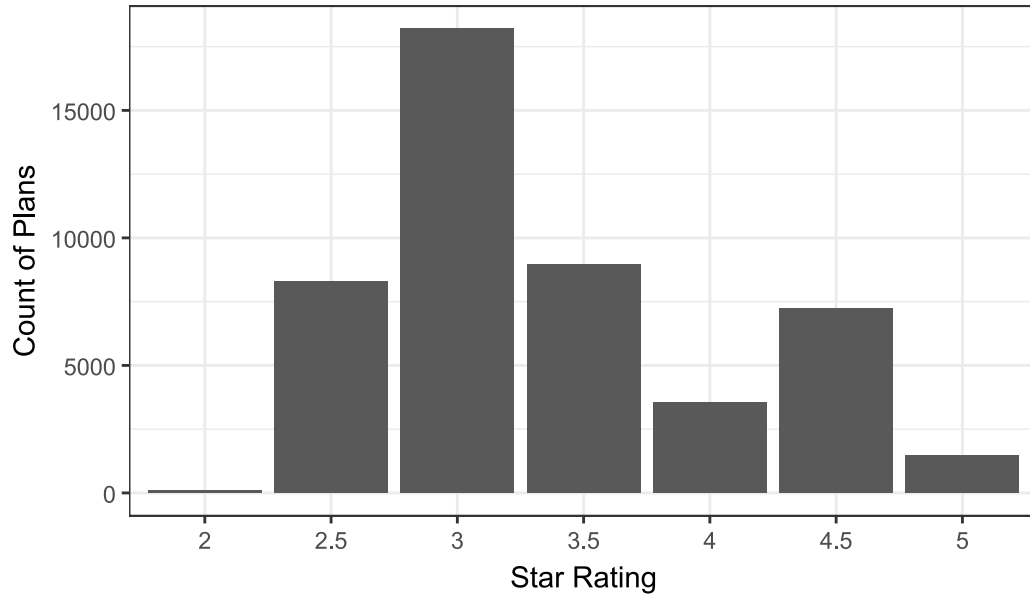
Question 2

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

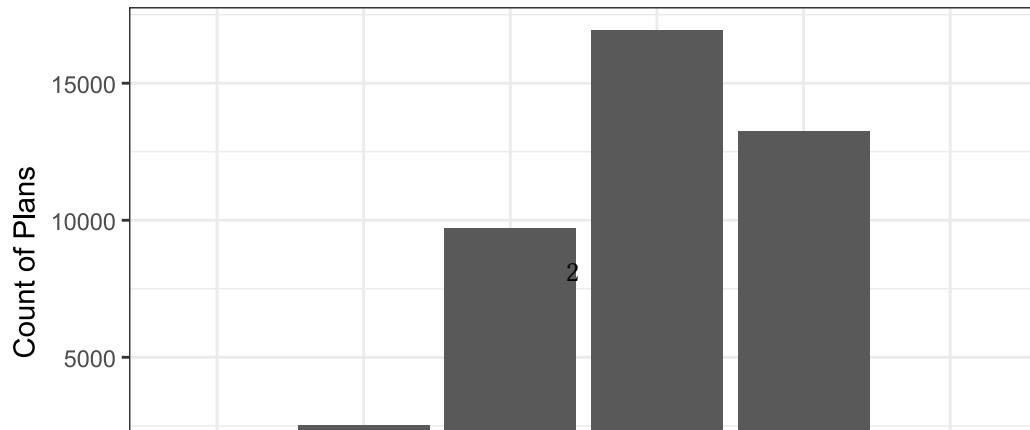
Frequency Distribution of Star Ratings



Frequency Distribution of Star Ratings

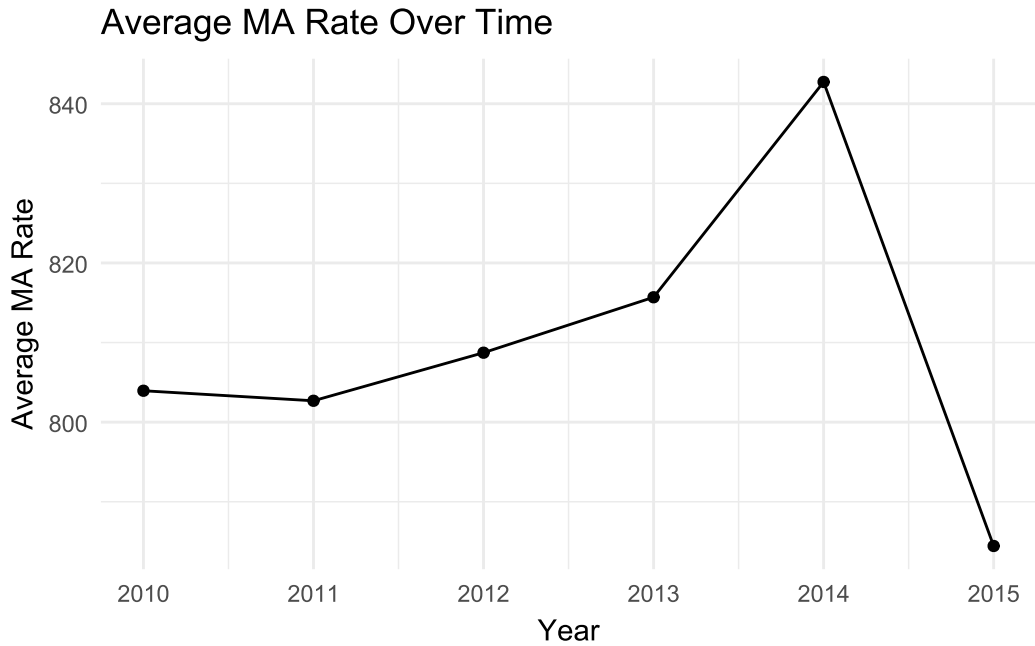


Frequency Distribution of Star Ratings



Question 3

Plot the average benchmark payment over time from 2010 through 2015. How much has the average benchmark payment risen over the years?



Question 4

Plot the average share of Medicare Advantage (relative to all Medicare eligibles) over time from 2010 through 2015. Has Medicare Advantage increased or decreased in popularity? How does this share correlate with benchmark payments?

