

Homework 4

Research Methods, Spring 2025

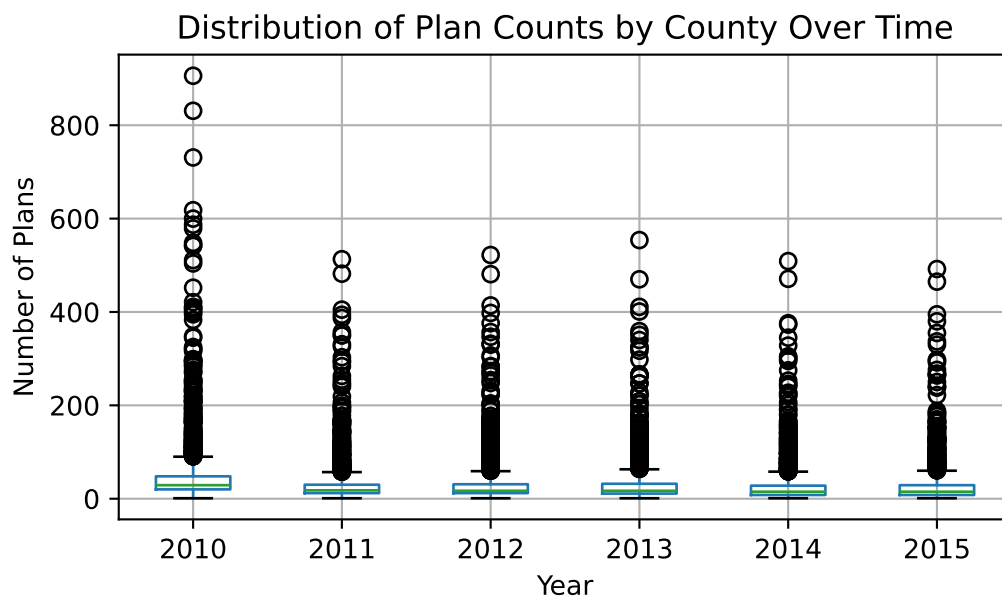
Ryan Scholte

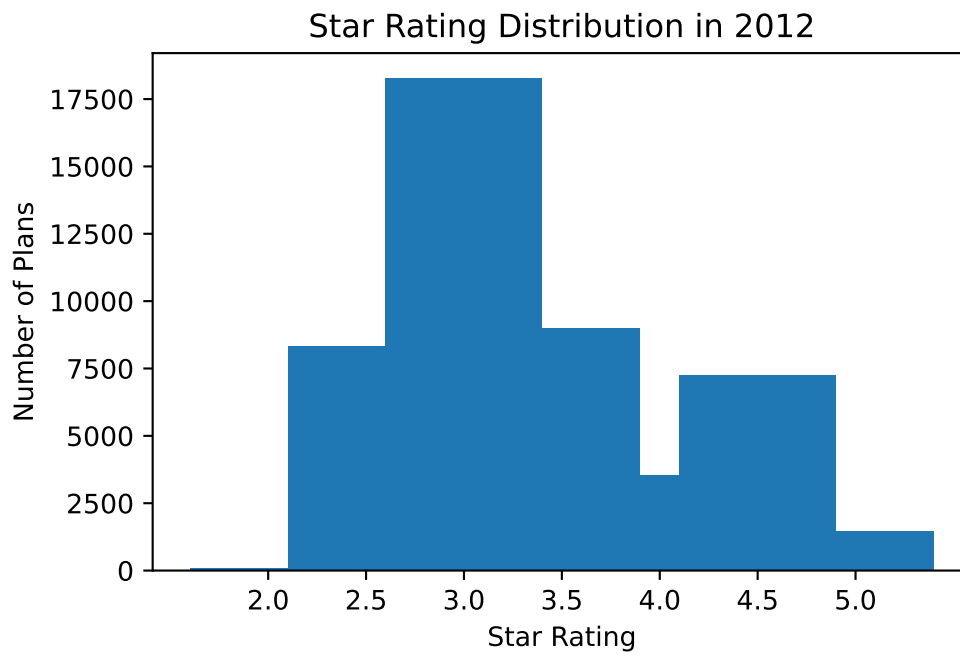
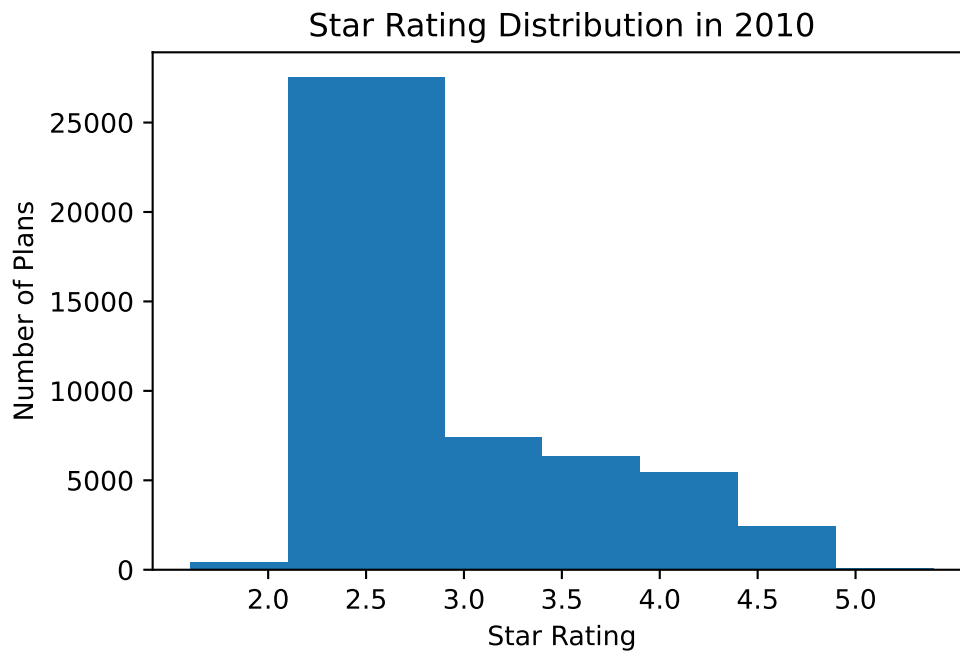
You can access the [Repository](#)

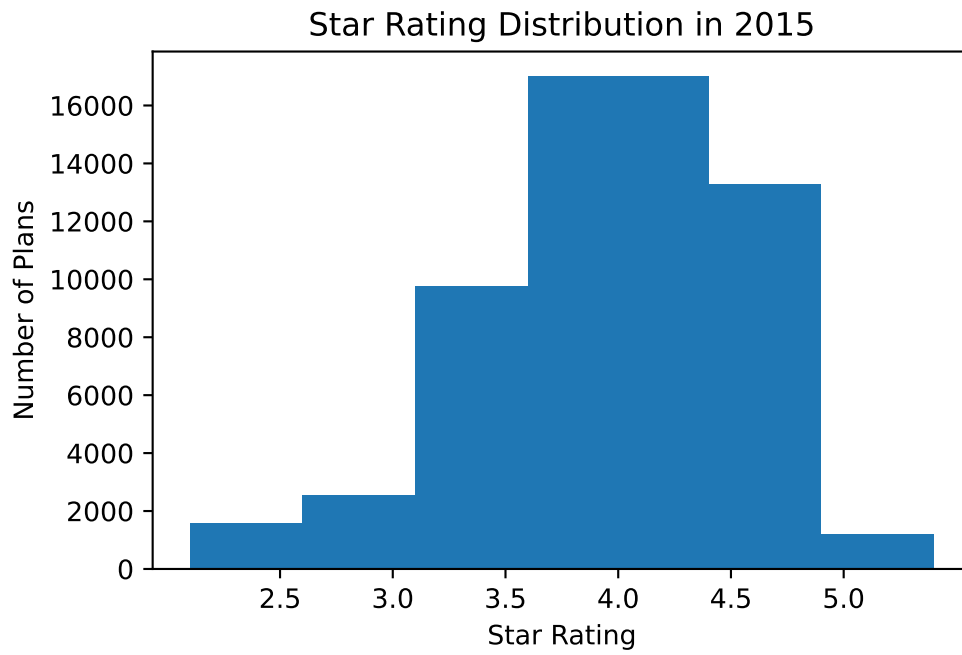
1

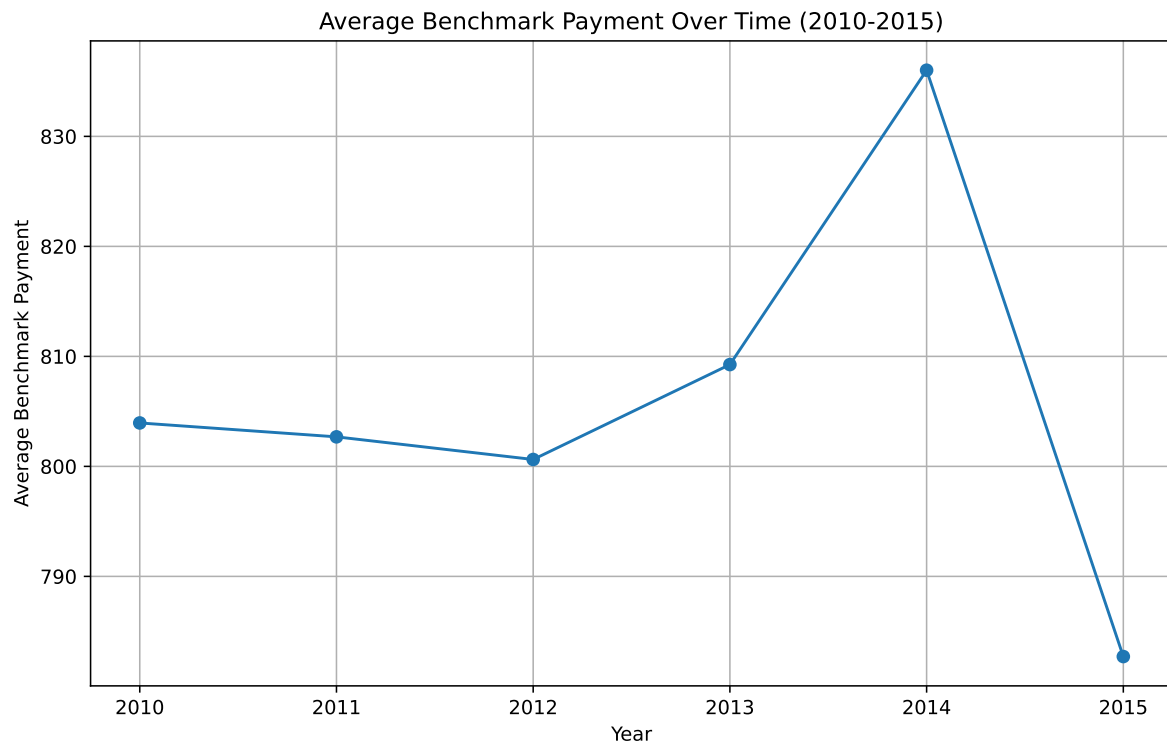
```
/var/folders/mn/l2nrwsxn24g6ywwz6ygh2fxp40000gn/T/ipykernel_98736/2832168449.py:9: DtypeWarning:
  df = pd.read_csv("/Users/ryanscholte/Desktop/GitHub/HW4/data/output/final_ma_data.csv")
```

<Figure size 3600x1800 with 0 Axes>

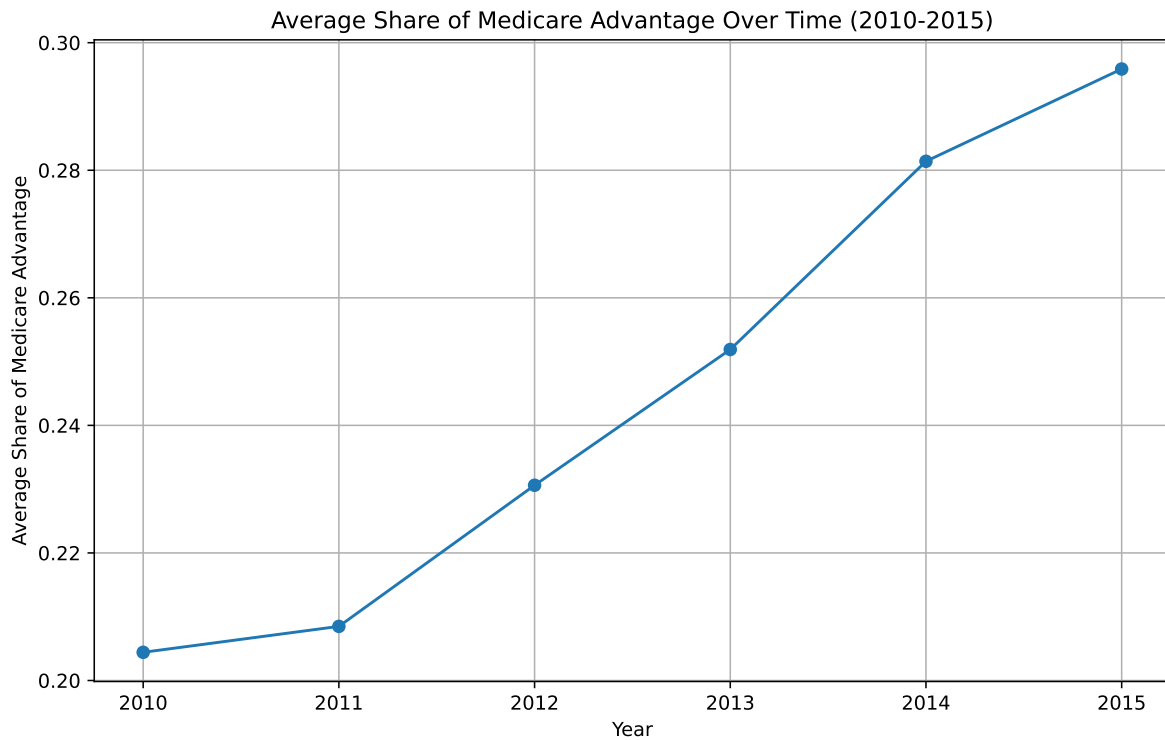








4



5

	rounded_up_rating	num_plans
0	3.0	28080
1	3.5	9137
2	4.0	5396
3	4.5	187

```
/var/folders/mn/l2nrwsxn24g6yww6ygh2fxp40000gn/T/ipykernel_98736/3414153298.py:22: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead
```

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide

```
df3_2010["raw_rating"] = df3_2010[rating_vars].mean(axis=1, skipna=True)
/var/folders/mn/l2nrwsxn24g6yww6ygh2fxp40000gn/T/ipykernel_98736/3414153298.py:25: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead
```

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide
`df3_2010["rounded_up_rating"] = df3_2010["raw_rating"].apply(lambda x: round(x * 2) / 2 if`