reproducible-research

May 6, 2025

0.1 1. Overview of the Show

Suits is an American legal drama television series created and written by Aaron Korsh. Produced by Universal Content Productions, it premiered on USA Network on June 23, 2011.

0.2 2. Logo of the Show
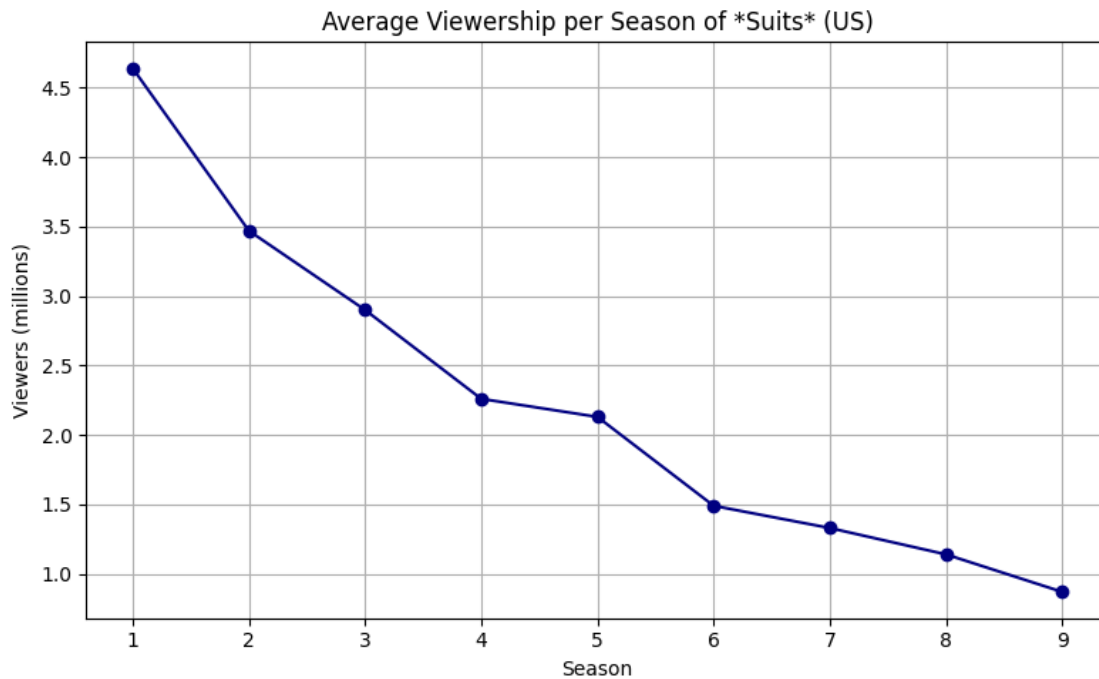
SUITS

0.3 3. Basic Viewership Statistics

Season	Episodes	Average Viewers (millions)
1	12	4.64
2	16	3.47
3	16	2.90
4	16	2.26
5	16	2.13
6	16	1.49
7	16	1.33
8	16	1.14
9	10	0.87

```python
[1]: import matplotlib.pyplot as plt

seasons = list(range(1, 10))
viewers = [4.64, 3.47, 2.90, 2.26, 2.13, 1.49, 1.33, 1.14, 0.87]

plt.figure(figsize=(8, 5))
plt.plot(seasons, viewers, marker='o', linestyle='-', color='navy')
```
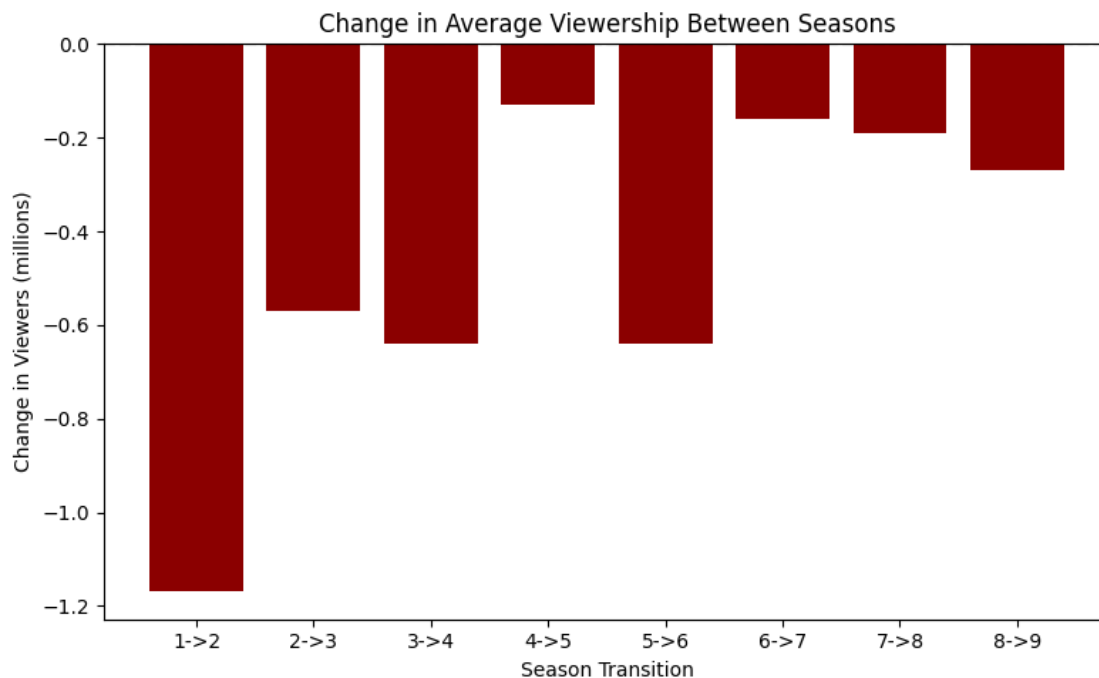
```
plt.title('Average Viewership per Season of *Suits* (US)')
plt.xlabel('Season')
plt.ylabel('Viewers (millions)')
plt.xticks(seasons)
plt.grid(True)
plt.tight_layout()
plt.show()
```


[2]:
```
import numpy as np

changes = np.diff(viewers)
season_labels = [f"{i}->{i+1}" for i in range(1, 9)]

plt.figure(figsize=(8, 5))
plt.bar(season_labels, changes, color='darkred')
plt.axhline(0, color='black', linestyle='--')
plt.title('Change in Average Viewership Between Seasons')
plt.xlabel('Season Transition')
plt.ylabel('Change in Viewers (millions)')
plt.tight_layout()
plt.show()
```

Change in Average Viewership Between Seasons

0.4 6. Summary of Changes

The viewership of *Suits* gradually declined over its 9-season run. Between **Season 1 and Season 2**, the show saw a **drop of 1.17 million viewers** (from 4.64M to 3.47M).

The most significant decrease occurred between **Season 5 and Season 6**, where the average viewership fell from **2.13 million to 1.49 million**, a **drop of 0.64 million viewers**.

By **Season 9**, the final season, viewership dropped to **0.87 million**, a **total decline of 3.77 million** from the series premiere.