Game of Thrones - Season 2 Summary

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today

```python
season = 1
```

```python
# Injected Parameters
season = 2
```

```python
import pandas as pd
import os
from datetime import datetime

results = {}


data_file = f"../Data/season_{season}.csv"

if not os.path.exists(data_file):
    raise FileNotFoundError(f"Data for season {season} not found!")

season_data = pd.read_csv(data_file)

if season_data.empty:
    raise ValueError(f"Data object 'season_data' is empty in {data_file}")

season_data['premiere_date'] = pd.to_datetime(
    season_data['premiere_date'].str.split("(").str[1].str.split(")").str[0]
)

num_episodes = season_data['no_season'].max()
start_date = season_data['premiere_date'].min().strftime('%B %d')
end_date = season_data['premiere_date'].max().strftime('%B %d')
year = season_data['premiere_date'].max().strftime('%Y')
```

```
avg_viewers = round(season_data['viewers'].mean(),3)
min_viewers = round(season_data['viewers'].min(),2)
max_viewers = season_data['viewers'].max()

top_episode = season_data[season_data['viewers'] == max_viewers].iloc[0]

results[season] = {
    'num_episodes': num_episodes,
    'start_date': start_date,
    'end_date': end_date,
    'year': year,
    'avg_viewers': avg_viewers,
    'min_viewers': min_viewers,
    'max_viewers': max_viewers,
    'top_episode_title': top_episode['title'],
    'top_episode_description': top_episode['description'],
    'highlighted_episodes': season_data[season_data['viewers'] > avg_viewers][
        ['no_season', 'title', 'directed_by']
    ].rename(columns={'no_season': 'No. in season', 'directed_by': 'Director'})
}
#
```

Game of Thrones - **Season 2 summary in numbers**

(***Warning:*** **spoilers ahead**)

Overview

(From the Wikipedia) Game of Thrones is an American fantasy drama television series created by David Benioff and D. B. Weiss for HBO. It is an adaptation of A Song of Ice and Fire, a series of fantasy novels by George R. R. Martin, the first of which is A Game of Thrones.

Set on the fictional continents of Westeros and Essos, Game of Thrones has a large ensemble cast and follows several story arcs throughout the course of the show. A major arc concerns the Iron Throne of the Seven Kingdoms of Westeros through a web of political conflicts among the noble families either vying to claim the throne or fighting for independence from it. Another focuses on the last descendant of the realm's deposed ruling dynasty, who has been exiled to

Essos and is plotting a return to the throne. A third story arc follows the Night's Watch, a military order defending the realm against threats from the North.

Season 2 summary

Season 2 of Game of Thrones consisted of 10 episodes that aired between April 01 and June 03, 2012 on HBO. The show gathered an average of 3 million first-day TV viewers in the US, with the number growing from 3 to 4 million by the end of the season.

The most popular episode of the season was "Valar Morghulis", in which:

> Joffrey sets Sansa aside to marry Margaery Tyrell and ally with the Tyrell family. Tyrion fears for his and Shae's safety after Tywin is named Hand of the King. Melisandre gives Stannis a new hope. Brienne kills Stark soldiers after they recognize Jaime. Catelyn fails to dissuade Robb from marrying Talisa, breaking his promise to wed Walder Frey's daughter. In Qarth, inside the House of the Undying, Daenerys enters a simulacrum of a destroyed Iron Throne room, then is reunited with what appears to be Khal Drogo and their infant son. Knowing it is unreal, she leaves and successfully retrieves her dragons, who fatally burn Pree, who tries to imprison her. She seals Daxos and her traitorous servant inside his empty vault and claims his other possessions, with which Jorah will pay for a small ship. In Winterfell, Theon wants his men to fight Robb's army, but they knock him unconscious and leave; Winterfell is torched. Fatally wounded Maester Luwin convinces Osha to escape with Brandon and Rickon to the Wall for Jon's protection. After Arya, Hot Pie, and Gendry escape Harrenhal, H'ghar gives Arya a non-monetary coin he says can be used to find him in Braavos. Before her, he magically changes his face. North of the Wall, Halfhand forces Jon to kill him to prove his loyalty to the Wildlings. An army of White Walkers and dead men surrounds the Fist of the First Men; Sam hides, watching in horror as they pass.
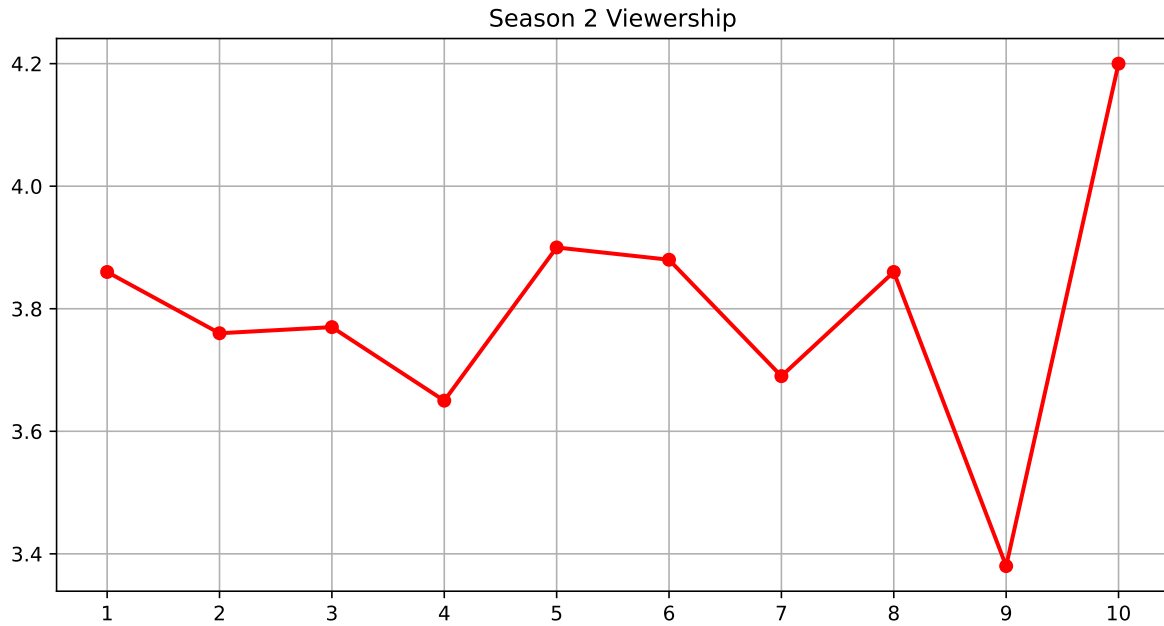

You can see how the viewership of the episodes changed in Figure 1.

```python
import matplotlib.pyplot as plt
plt.figure(figsize=(10, 5))
plt.plot(season_data['no_season'],
        season_data['viewers'],
        color='red',
        linewidth=2,
```

```
        marker='o')
plt.xticks(season_data['no_season'])
plt.title(f"Season {season} Viewership")
plt.grid(True)
plt.show()
```

Season 2 Viewership

Finally, the episodes with the above-average viewership were:

```
Requirement already satisfied: tabulate in c:\users\hp\.conda\envs\myenv\lib\site-packages (0
|    |   Episode | Title                    | Director       |
|---:|----------:|:-------------------------|:---------------|
|  0 |         1 | "The North Remembers"    | Alan Taylor    |
|  4 |         5 | "The Ghost of Harrenhal" | David Petrarca |
|  5 |         6 | "The Old Gods and the New" | David Nutter |
|  7 |         8 | "The Prince of Winterfell" | Alan Taylor  |
|  9 |        10 | "Valar Morghulis"        | Alan Taylor    |
```