

# Assignment

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Figure 1: Person of Interest Logo from seasons 4-5

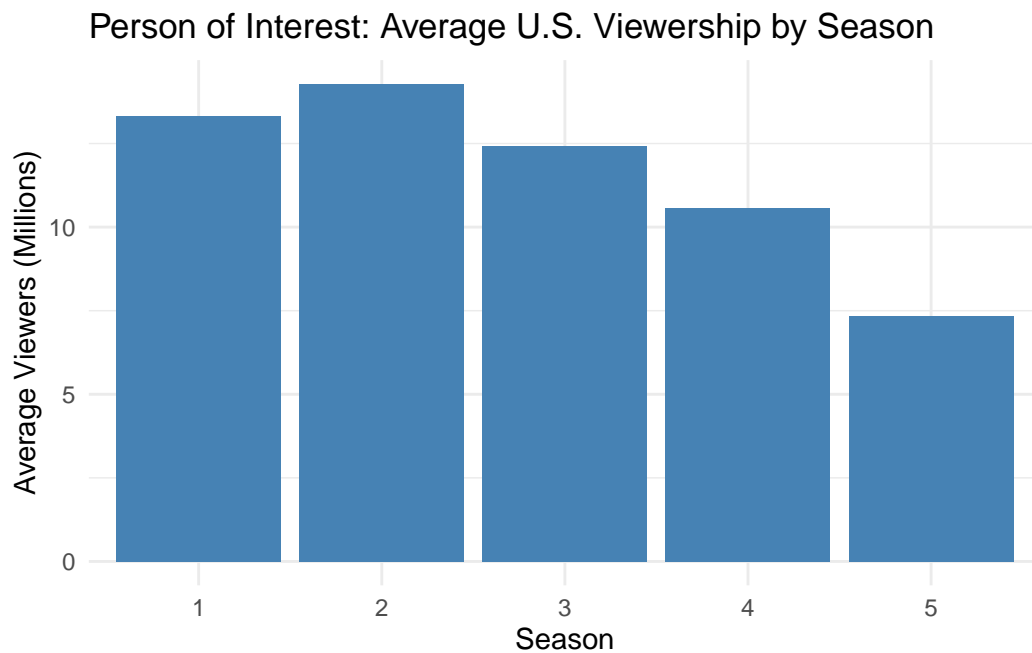
## Description

*Person of Interest* is an American science fiction crime drama television series that aired on CBS from September 22, 2011, to June 21, 2016. The series was created by Jonathan Nolan, co-writer of *The Dark Knight* trilogy, and produced by J.J. Abrams. It centers on a super-intelligent machine that predicts crimes before they happen, and a team of operatives working to prevent them.

## Viewership Summary

*Person of Interest* premiered to **13.3 million viewers** and maintained strong ratings throughout its run. The highest-rated episode aired in Season 1, while later seasons saw a gradual decline in live viewership, consistent with overall trends in TV consumption.

```
# A tibble: 5 x 3
  Season Year Avg_Viewers_Millions
  <int> <chr>      <dbl>
1     1 2011-12      13.3
2     2 2012-13      14.3
3     3 2013-14      12.4
4     4 2014-15      10.6
5     5 2016         7.35
```



## Python

```
print('I watched all 5 seasons')
```

I watched all 5 seasons

R

```
print('I watched all 5 seasons')
```

```
[1] "I watched all 5 seasons"
```

### Observations

- **Season 1** had a solid start with **13.3 million** average viewers, establishing the show as a strong debut.
- **Season 2** reached the peak average viewership with approximately **14.28 million viewers**, making it the **5th most-watched** U.S. TV series in the 2012–13 season.
- **Season 3** saw a moderate dip to **12.44 million**, still keeping the show in a competitive position.
- **Season 4** remained strong, drawing an average of **10.58 million viewers**, and ranked **21st overall** for the 2014–15 season.
- **Season 5** had the **lowest average viewership**, around **7.35 million viewers**, likely due to a **shortened season (13 episodes)** and a **shift to summer scheduling**.

### Viewership Trends Summary

The show experienced a notable decrease in viewership over time. For example, between **Season 3** and **Season 5**, the average audience dropped by **5.09 million viewers**. Similarly, from **Season 2** to **Season 4**, the show lost around **3.7 million viewers** on average. These changes reflect the gradual decline in live broadcast audiences, particularly in later seasons affected by summer scheduling and shorter episode runs.