

Brace yourselves, pirates are coming! The effects of Game of Thrones leak on TV viewership

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CopyCamp 2017

- Effects can vary for different types of content.
- Influence is changing over time.
- Seems mostly harmful if it happens before the authorised availability.





• What happens when people try file-sharing for the first time?

• What happens when people try authorised sources for the first time?

IBS project 2017-2020: Funded by National Science Centre.

File-sharing grew when NBC removed its content from iTunes

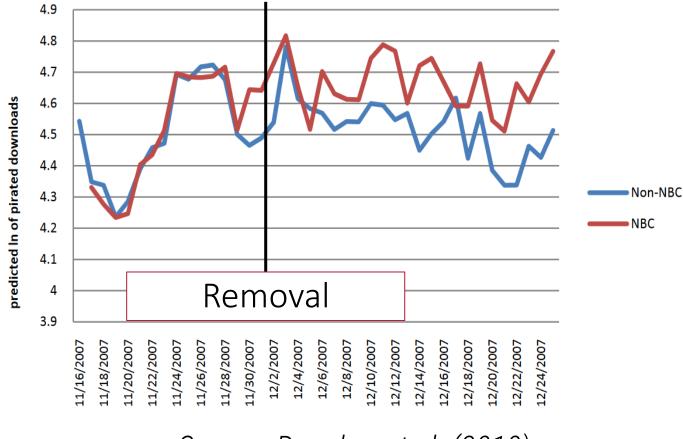


Figure 1: NBC vs. Non-NBC Piracy Surrounding December 1, 2007

Source: Danaher et al. (2010).

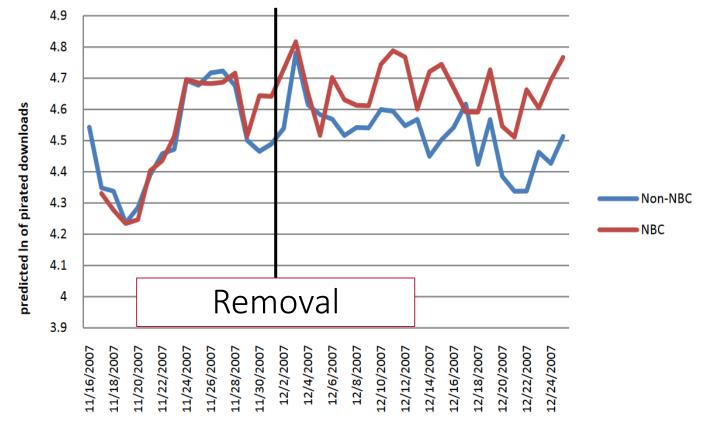
File-sharing grew when NBC removed its content from iTunes

Main findings:

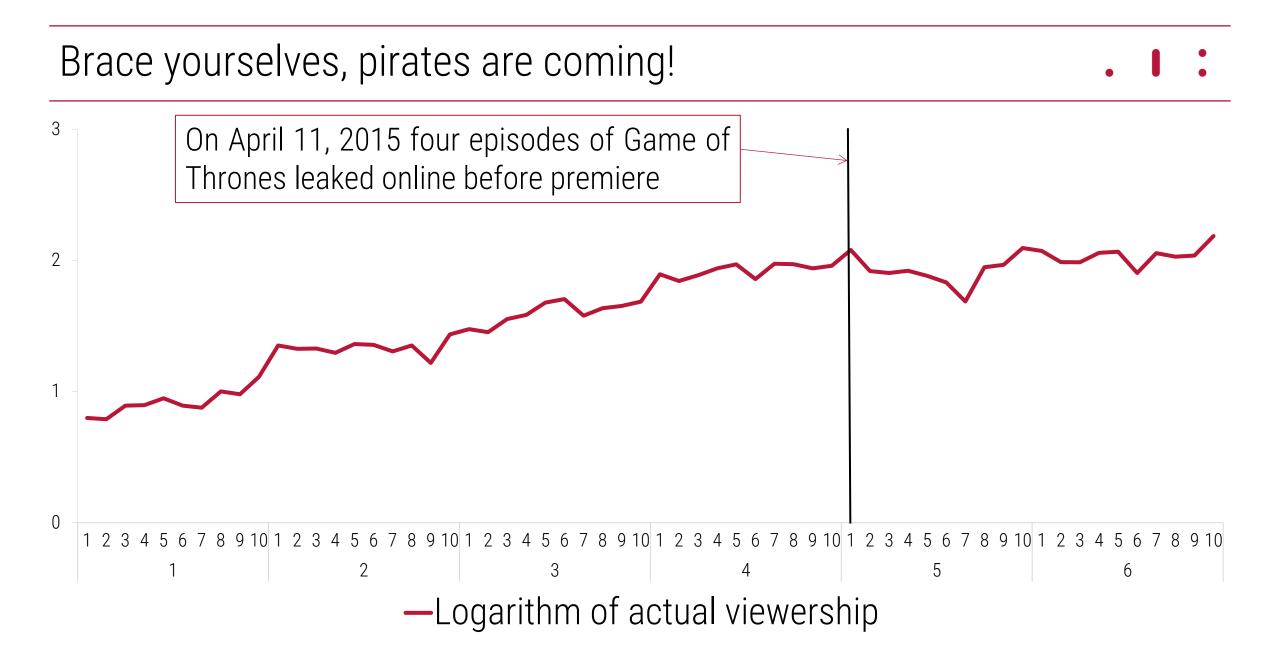
• Did not decline after the content was returned to iTunes!

Interpretation:

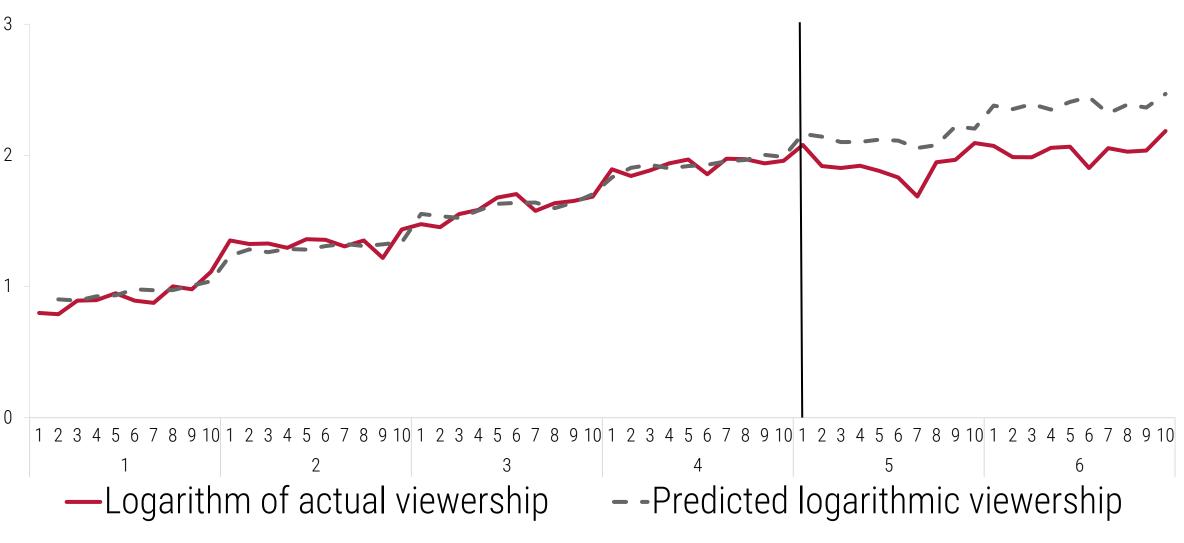
 People permanently switched to unauthorised sources. Figure 1: NBC vs. Non-NBC Piracy Surrounding December 1, 2007



Source: Danaher et al. (2010).



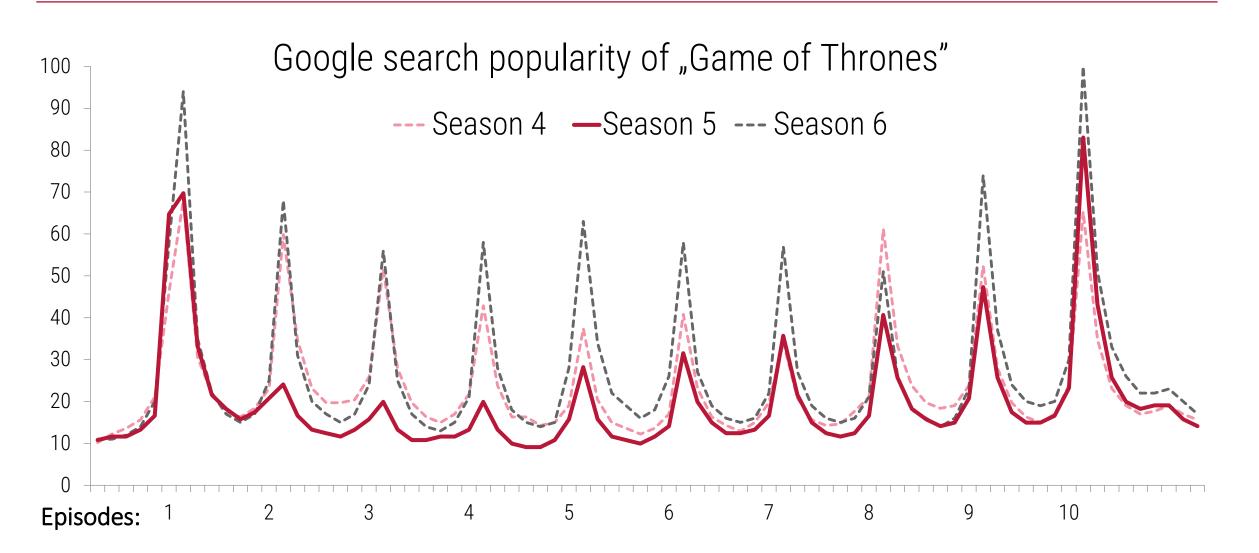
The trend broke - unexplained by the ratings



The predicted values are from a regression on seasons 1-4: viewership ~ lagged viewership + lagged rating .

Online interest in GoT season 5 focused around the leak Google search popularity of "Game of Thrones" ---Season 4 ---Season 6 \cap Episodes:

Online interest in GoT season 5 focused around the leak



. . .

If so:

- Unrelated shows would not experience drops.
- Shows sharing the GoT audience could evidence drops.
- The effects would be (at least partially) persisent over time.
- Searches for unauthorised copies of GoT-like shows would increase.

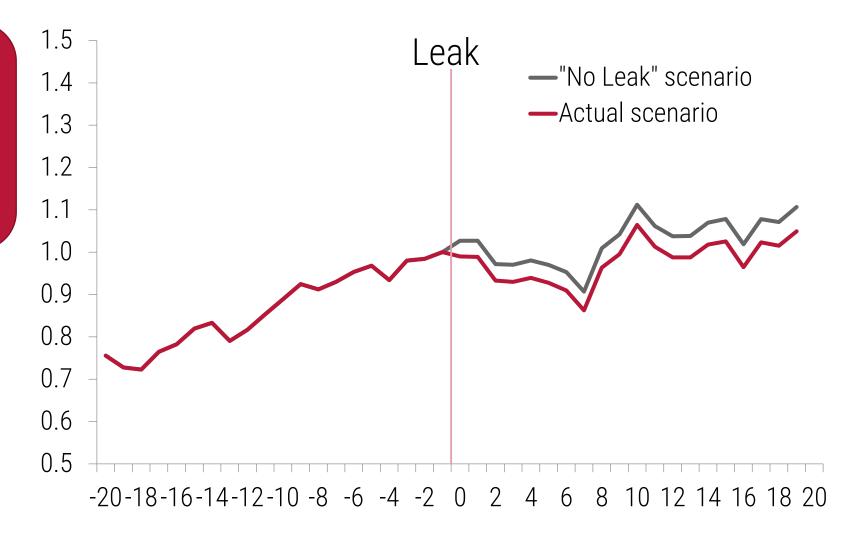
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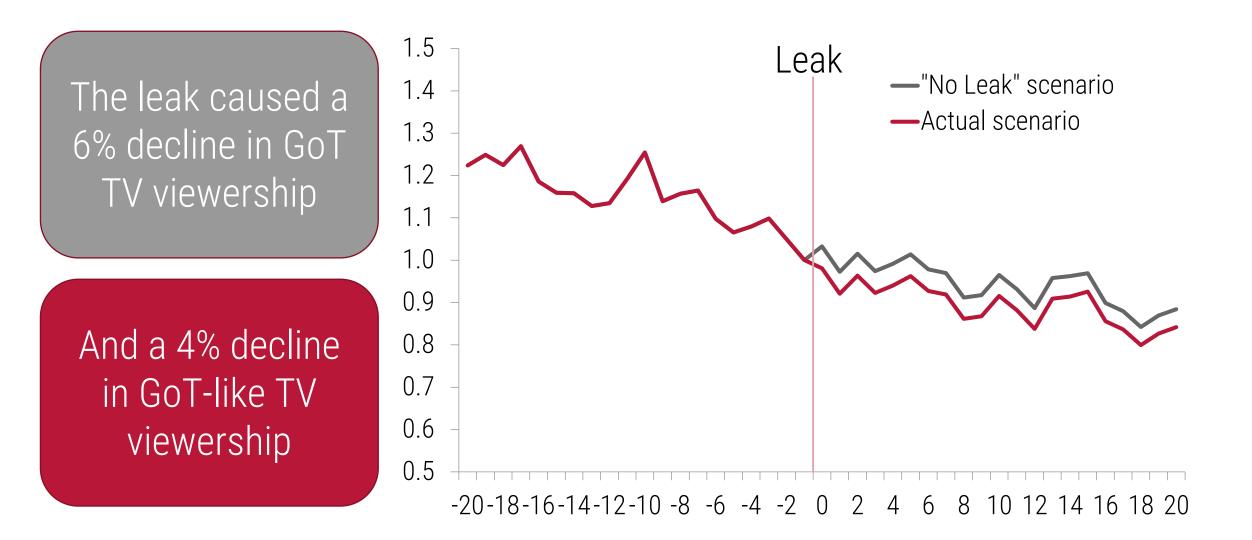
- 71 shows aired at the time => 308 seasons => 6,089 episodes.
- Information:
 - TV viewership (Nielsen)
 - Internet searches (Google Trends)
 - Show characteristics (IMDb, Wikipedia, Commonsensemedia)
 - Shows sharing audience with GoT (Jinni, IMDb, Netflix, TasteDive, Trakt.tv).

[Note: no unethical data collection process was performed.]



The leak caused a 6% decline in GoT TV viewership





It's not much but importantly:

Google searches for GoT-like shows (+ *"watch online"*) increased

The TV viewership did not return to its initial path

The leak had a spillover effect on GoT-like TV shows



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"There but not back again. A Pirate's tale. Switching between the authorised and unauthorised sourc<u>e of cultural goods"</u>

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