

Capstone Project





- Agenda:
 - Work through Capstone Project Together
 - Q&A based on chat and Google Forms





- Let's put all your current skills together with a fun Capstone Project!
- This project takes us all the way back to 2015...
 - But before we begin, let's quickly review our ML Pathway!





Problem to Solve

How to fix or change X?

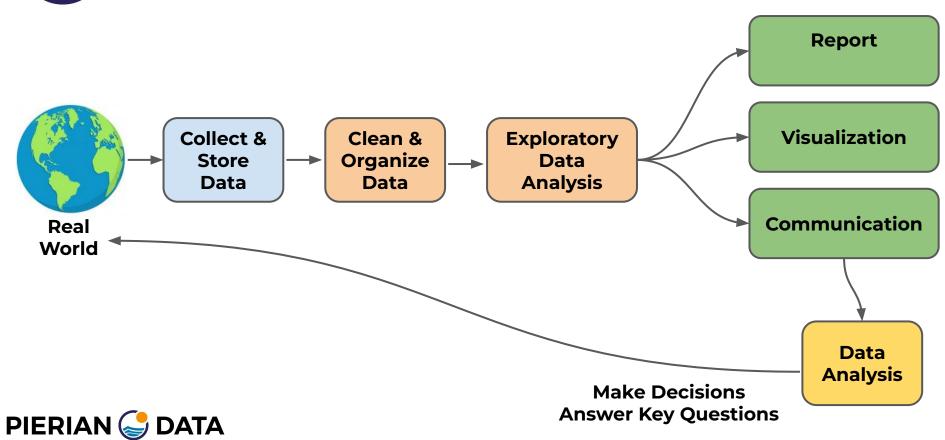


Question to Answer

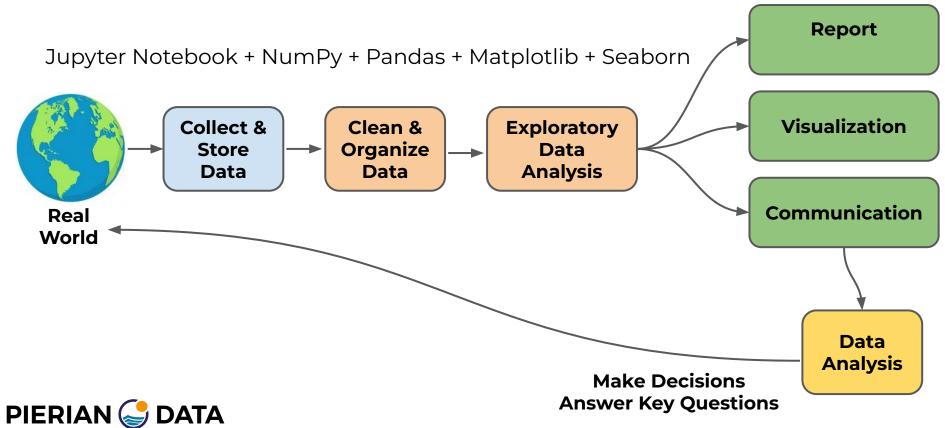
How does a change in X affect Y?













- Question to Answer:
 - Is there a conflict of interest for a website that both sells movie tickets and displays review ratings?
 - Let's travel back in time to the year 2015...



- 2015
 - Fandango sells movie tickets online







- 2015
 - Fandango sells movie tickets online
 - Also displays movie ratings







• 2015

You see Taken 3 has a 4.5 star rating on

Fandango.







- 2015
 - You may be disappointed by the film...



[1080p] Taken 3 - Fence jump scene - 10 hours





- 2015
 - You begin to ask yourself...
 - Is there a conflict of interest for a website that both sells movie tickets and displays review ratings?
 - Can we answer this with data analysis?





Fandango

Fandango Media, LLC is an American ticketing company that sells movie tickets via their website as well as through their mobile app, as well as a provider of television and streaming media information, e.g., through its subsidiaries Flixster, Movies.com, and Rotten Tomatoes.

Contents [hide]

- 1 History
- 2 Services
- 3 Competition
- 4 Controversies
- 5 FandangoNow and Vudu
- 6 See also
- 7 References
- 8 External links

History [edit]

Fandango Media, LLC







The Capstone Project

OCT. 15, 2015, AT 9:52 AM

Be Suspicious Of Online Movie Ratings, Especially Fandango's

By Walt Hickey
Filed under Movies
Get the data on GitHub





"Ted 2," "Avengers: Age of Ultron," and "Fantastic Four"

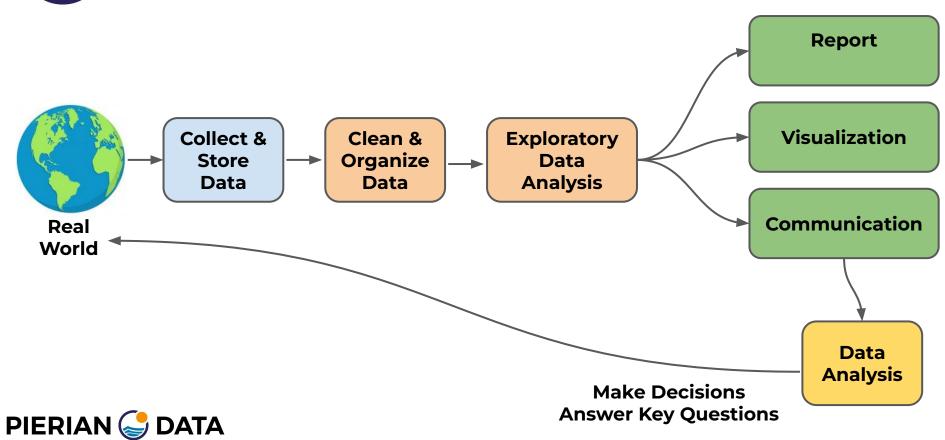




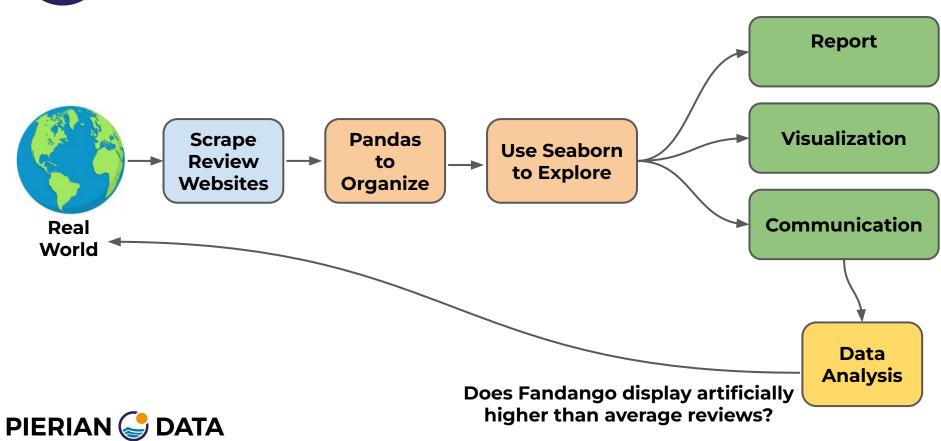
- Question to Answer:
 - Is there a conflict of interest for a website that both sells movie tickets and displays review ratings?
- More Specifically:
 - Does a website like Fandango artificially display higher review ratings to sell more movie tickets?



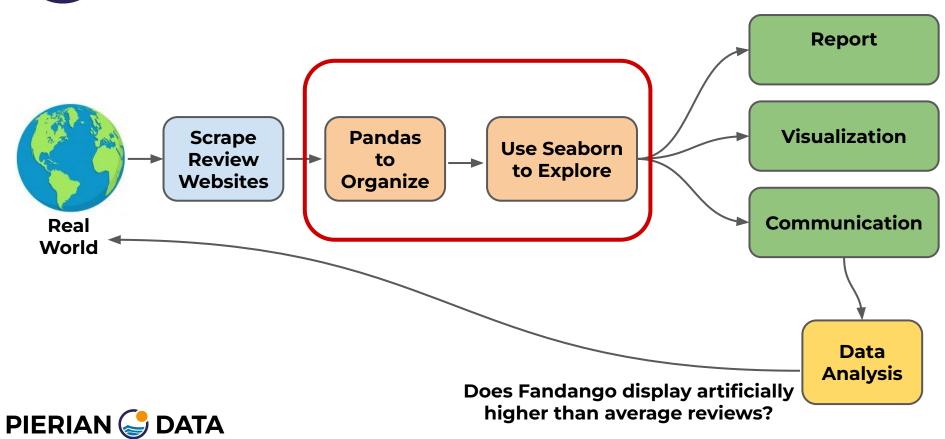




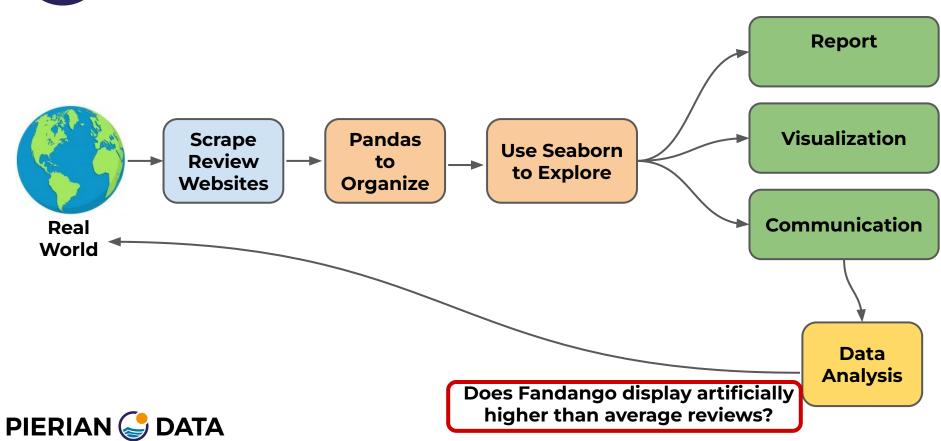












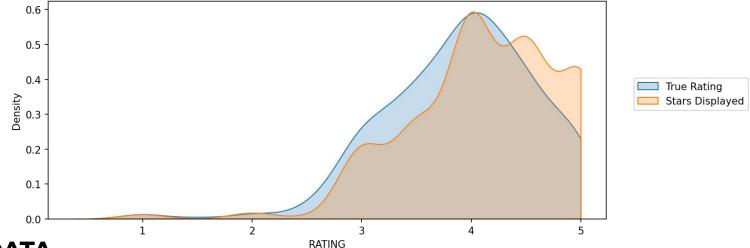


- Fandango has two ratings:
 - STARS
 - Rating in stars 0-5 displayed on their website's HTML.
 - RATING
 - Actual true rating numerically shown on movie's page.





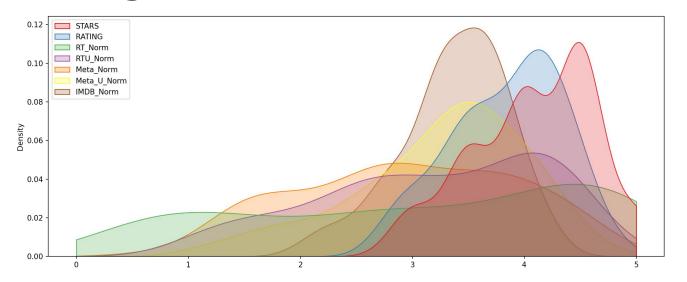
- Fandango has two ratings:
 - First we will compare these ratings to check for discrepancies.







 Then we'll compare Fandango's ratings to other rating website scores:







 Let's have an overview of the project exercise notebook!



Capstone Project Solutions - Part One



Capstone Project Solutions - Part Two



Capstone Project Solutions - Part Three

