Tableau

How to 1-up your data analysis skills for industry

Tableau



What is Tableau?

- Data Visualization software that is becoming more and more of a demand for many business/data analysis related positions
 - Consultant
 - Finance
 - Business Analyst
 - Marketing
 - o PM
- Recently acquired by Salesforce for \$15.3B
- Tableau vs. Excel
 - Tableau is great for interactive, long-lasting dashboards
 - Excel is great for quick visualizations to understand distributions



storytelling with data

a data visualization guide for business professionals

WILEY

- Super good book about data visualization
- Reach out to me if you'd like to know more



Can your boss understand this dashboard?

Understand the basics of formatting, filtering, building visuals, and (time permitting) go over actions

The prompt

Who should we pick as our next director?



You are a Business Analyst at Walt Disney Studios and your boss (Director of Business Development) wants you build a dashboard that allows the executive team to narrow down their search for a director for an upcoming movie. Details about the movie haven't been provided just yet.

How will you go about making this dashboard?

The data

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The data (cont.)

Columns

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color director_name num_critic_for_reviews duration director_facebook_likes actor_3_facebook_likes actor_2_name actor_1_facebook_likes gross genres actor_1_name movie_title num_voted_users cast_total_facebook_likes actor_3_name facenumber_in_posterplot_keywords movie_imdb_link num_user_for_reviews language country content_rating budget title_yearactor_2_facebook_likes imdb_score aspect_ratio movie_facebook_likes
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The data (cont.)

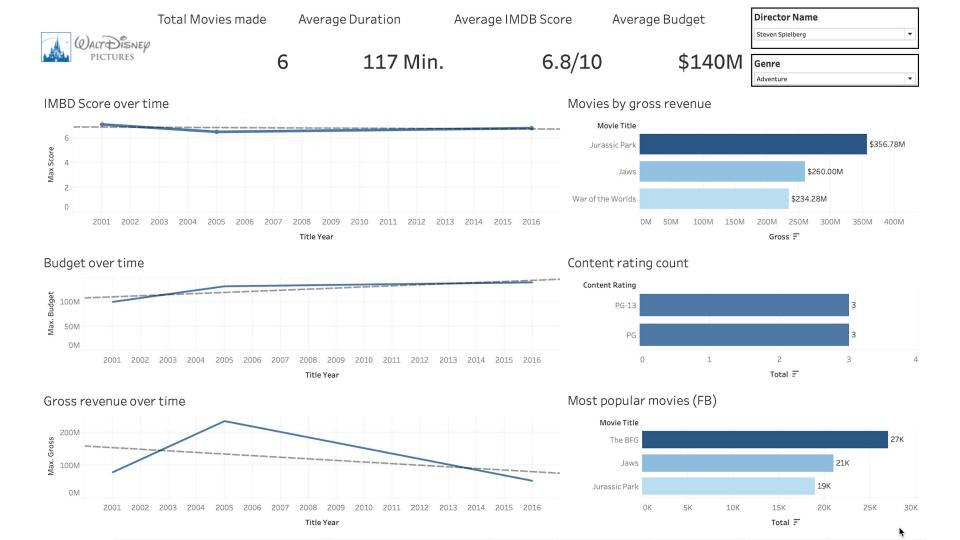
Columns

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color director_name num_critic_for_reviews duration
director_facebook_likes actor_3_facebook_likes actor_2_name
actor_1_facebook_likes gross genres actor_1_name movie_title
num_voted_users cast_total_facebook_likes actor_3_name
facenumber_in_posterplot_keywords movie_imdb_link num_user_for_reviews
language country content_rating budget title_yearactor_2_facebook_likes
imdb_score aspect_ratio movie_facebook_likes
```

As an analyst, what you would first like to look at?

Questions I asked

- How have their IMDB scores trended over time?
 - Does this change over the past couple of years?
 - How about from genre to genre?
- How much do they typically ask for budget for their films?
 - o Has this changed over time?
- How much revenue does their films generate on average?
- What are their top movies?
 - And how do we define top?
- Are they making rated R, PG-13, PG, or G movies?



Interactive Demo

Automated Dashboards!

Part 1) Build the Dashboard Part 2) Automate! API OneDrive How can I leverage my Tableau knowledge? .twbx file

Thank you! Questions?