

LAB 1

INSTALLING TABLEAU (Student Version)

<https://www.tableau.com/academic/students>

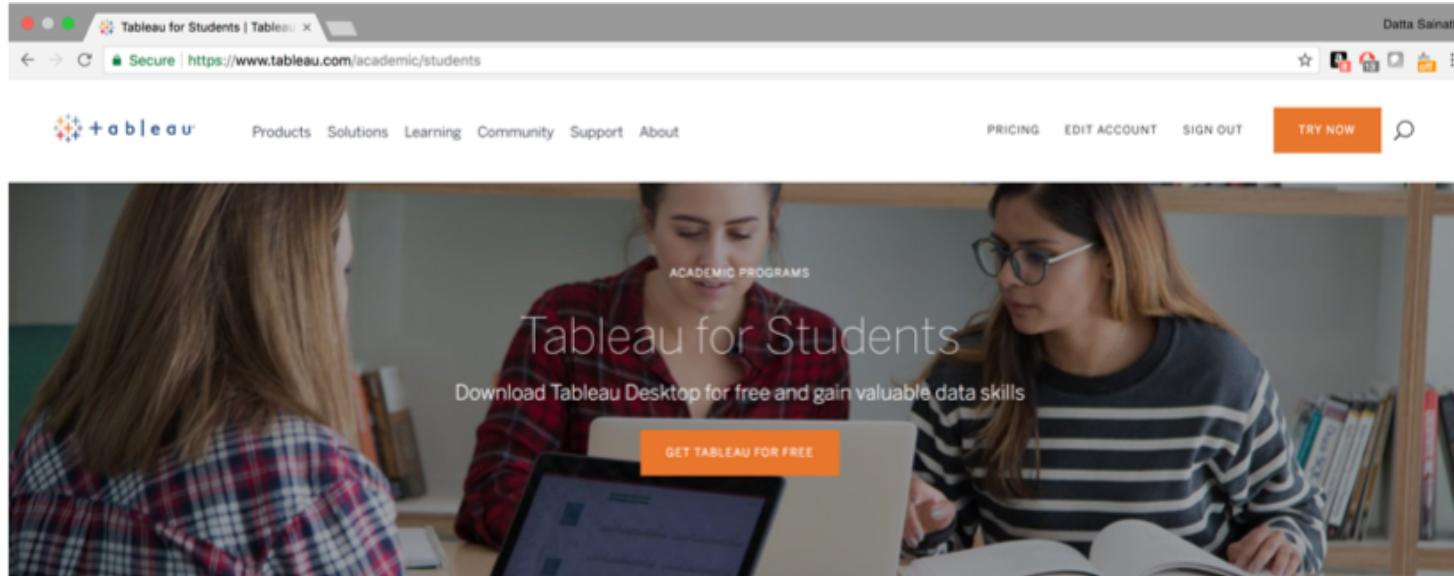


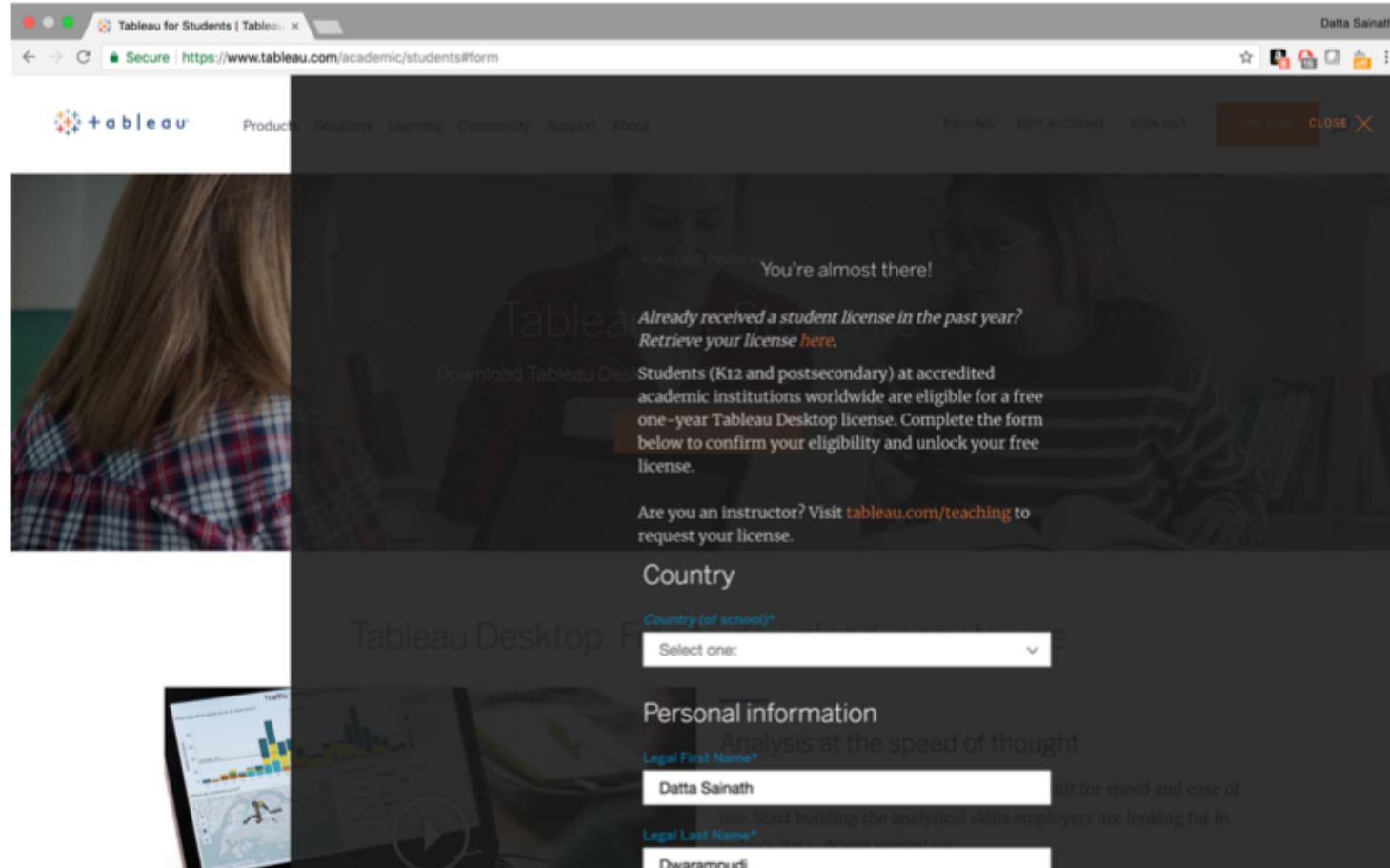
Tableau Desktop: Free to download, easy to use



Analysis at the speed of thought

See the drag-and-drop analytics solution built for speed and ease of use. Start building the analytical skills employers are looking for in today's data-driven workplace.

FILL IN YOUR DETAILS



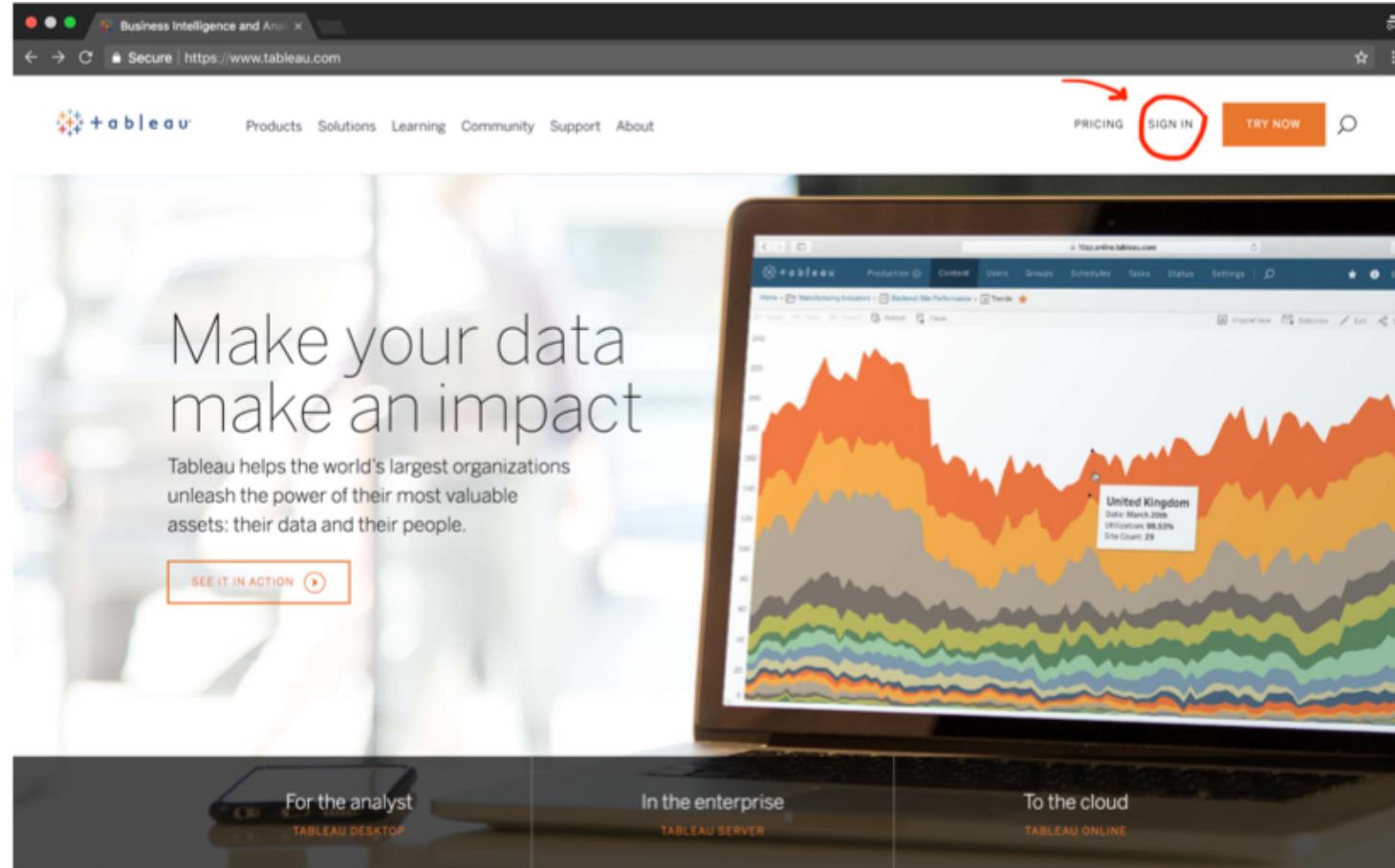
FURTHER STEPS

- You will receive a mail from Tableau team
- Link will be given to download the tableau
- License key will also be given which you need to enter it after installing the tableau.

Method 2: Installing Tableau

- Go to <https://www.tableau.com/tft/activation> and click on 'GET STARTED'
- On installing Tableau, enter Product Key: TDQS-C5F0-4D80-6673-62BF
- (Always use your college Email ID for registering an account in Tableau)

Register an account in Tableau





Sign In

One account to access:

- [Tableau Online](#): Secure analytics in the cloud. [Sign in here](#).
- [Tableau community](#): Forums, Tableau user groups, and product ideas.
- [Tableau.com](#): Training, events, white papers and more
- [Tableau Pre-Release Programs](#): Preview upcoming releases, help us test, and give us your feedback on new products and features

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Create your Tableau Account

First Name

Last Name

Email

Password

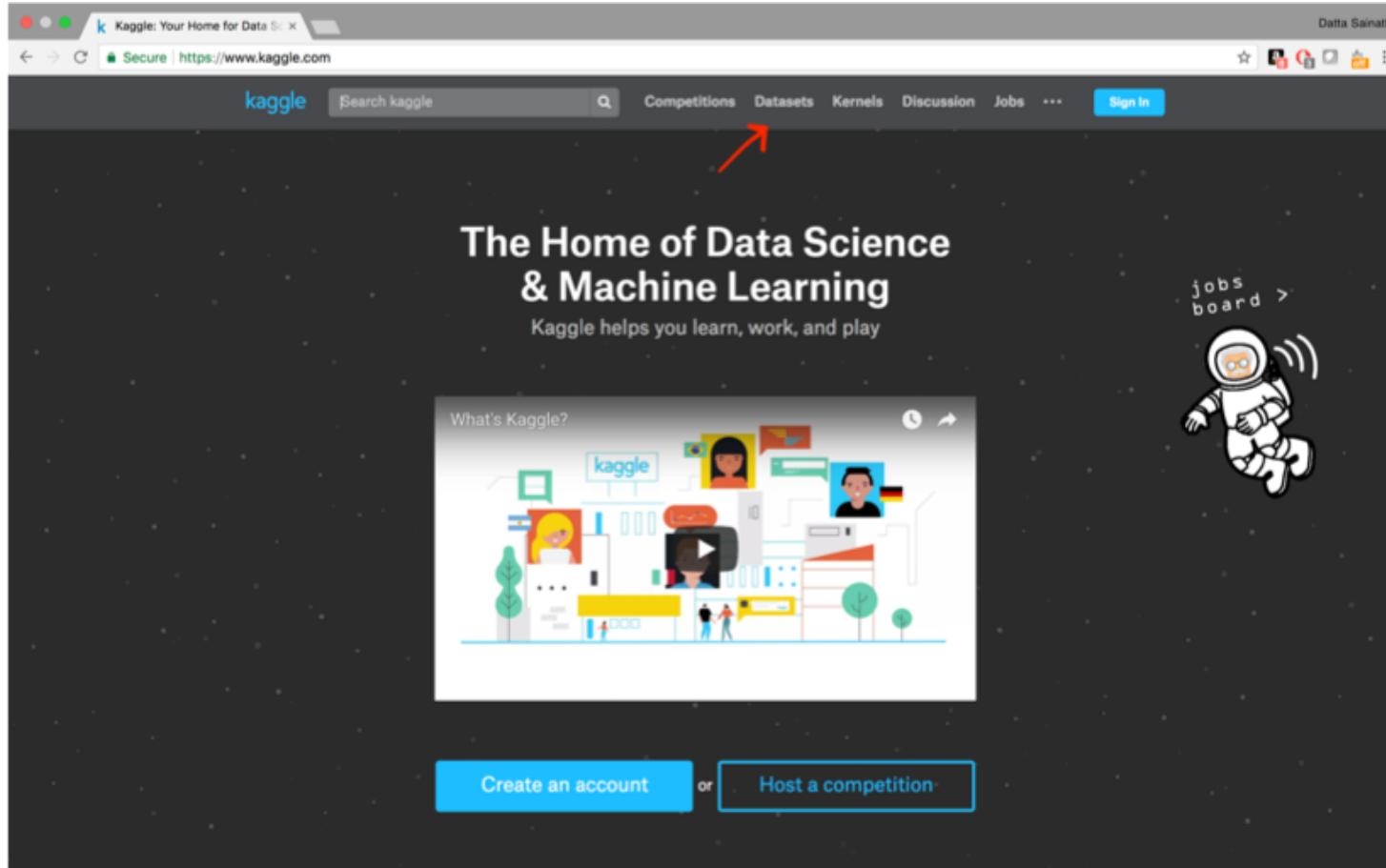
Confirm Password

Passwords are case sensitive, 8-100 characters long, at least one letter, and at least one number (0-9). Symbols and spaces are ok.

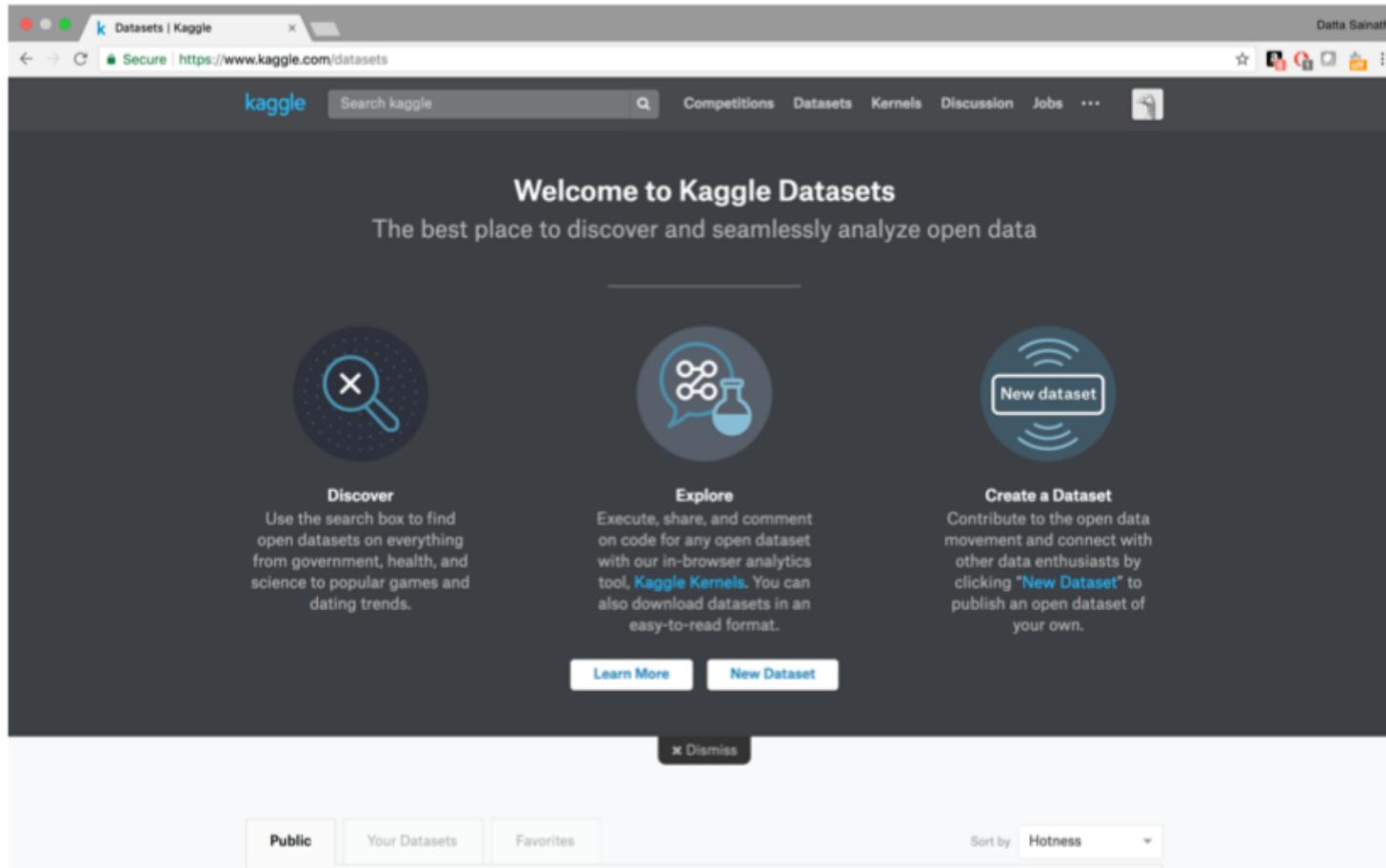
CREATE MY ACCOUNT

ALREADY HAVE AN ACCOUNT? [SIGN IN](#)

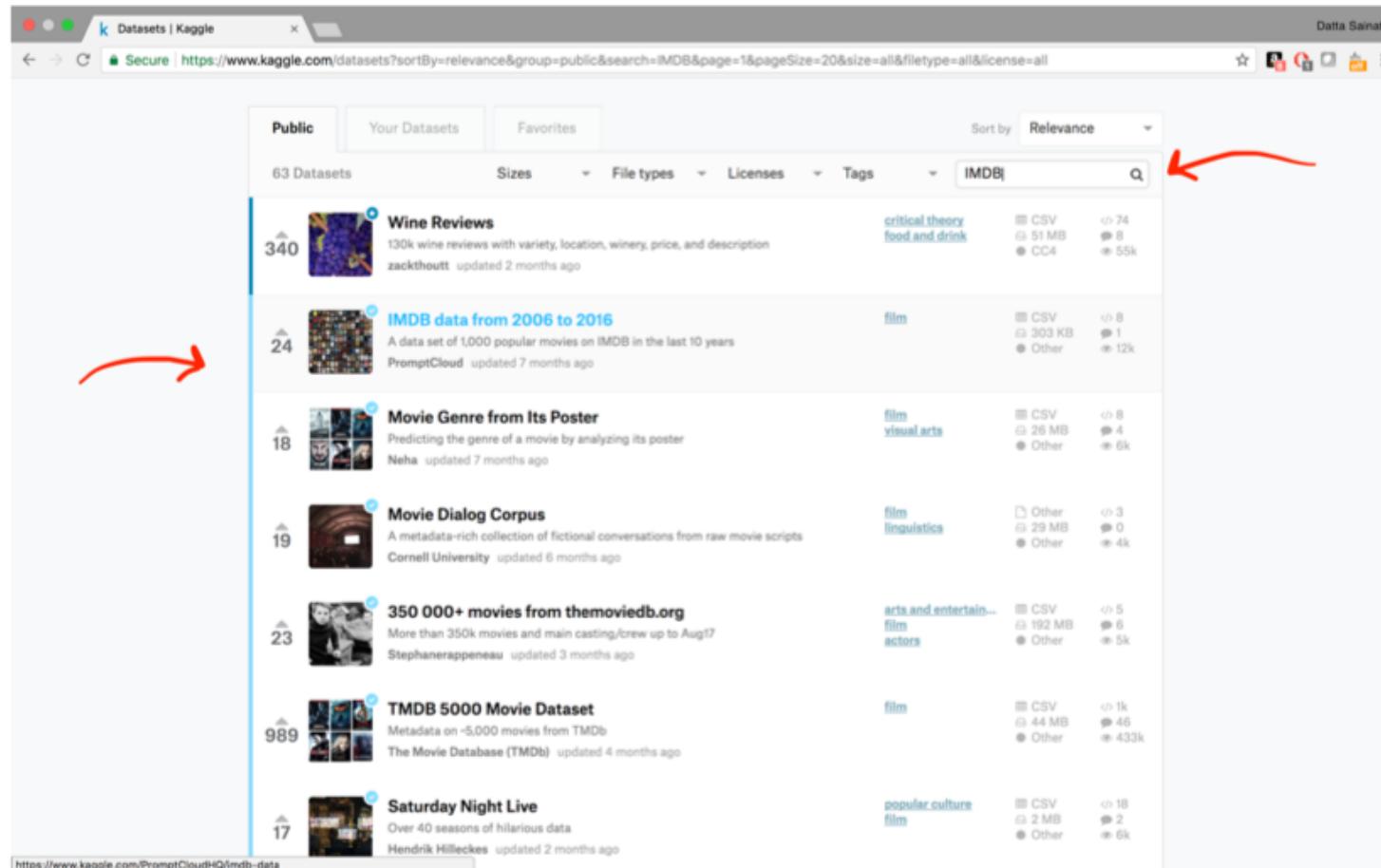
Where can we find datasets?



Kaggle Open Datasets



IMDB Dataset

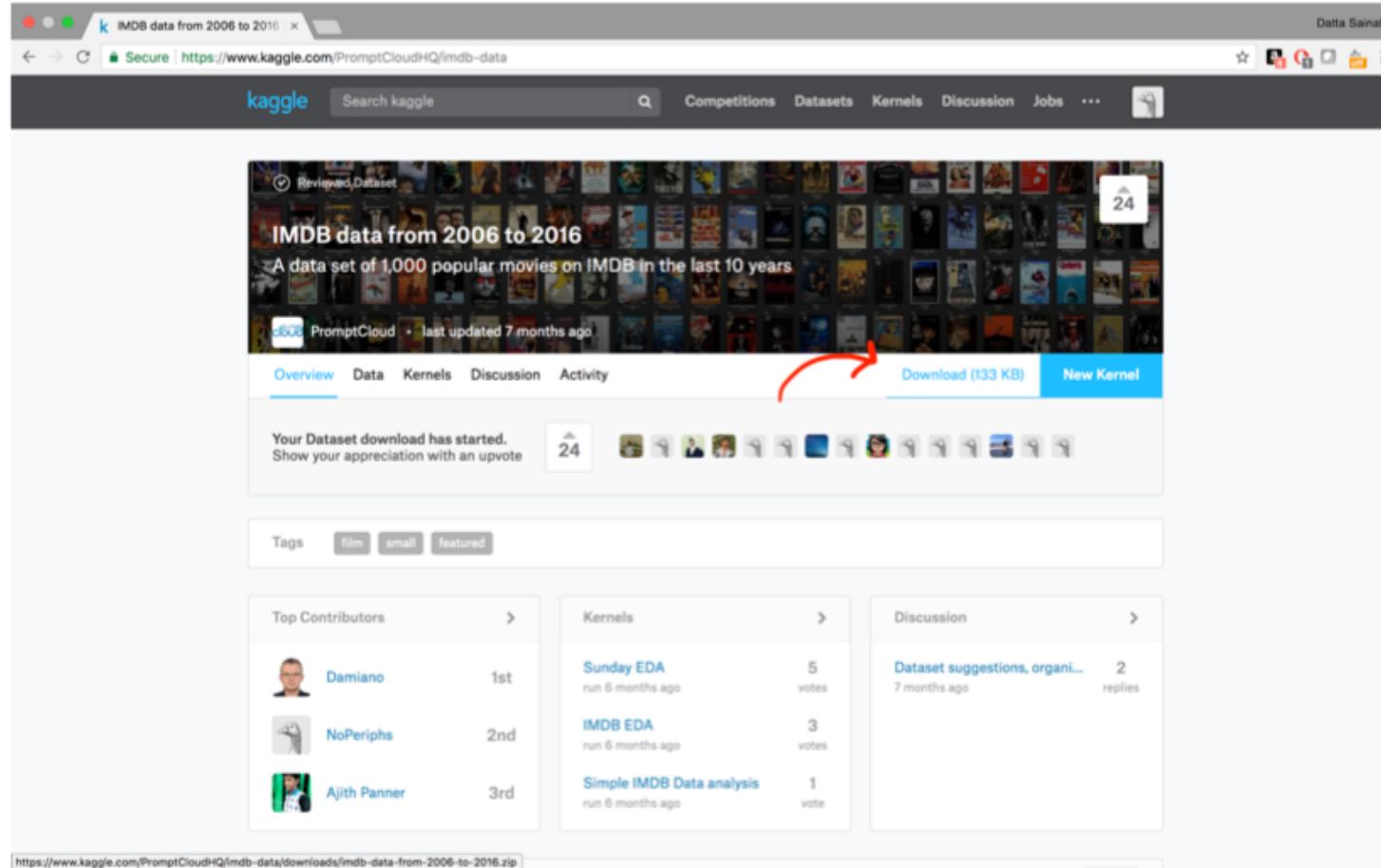


A screenshot of a web browser showing the Kaggle datasets search results for the term "IMDB". The search bar at the top contains "IMDB". The results are sorted by relevance and grouped by public datasets. There are 63 datasets listed, with the following details:

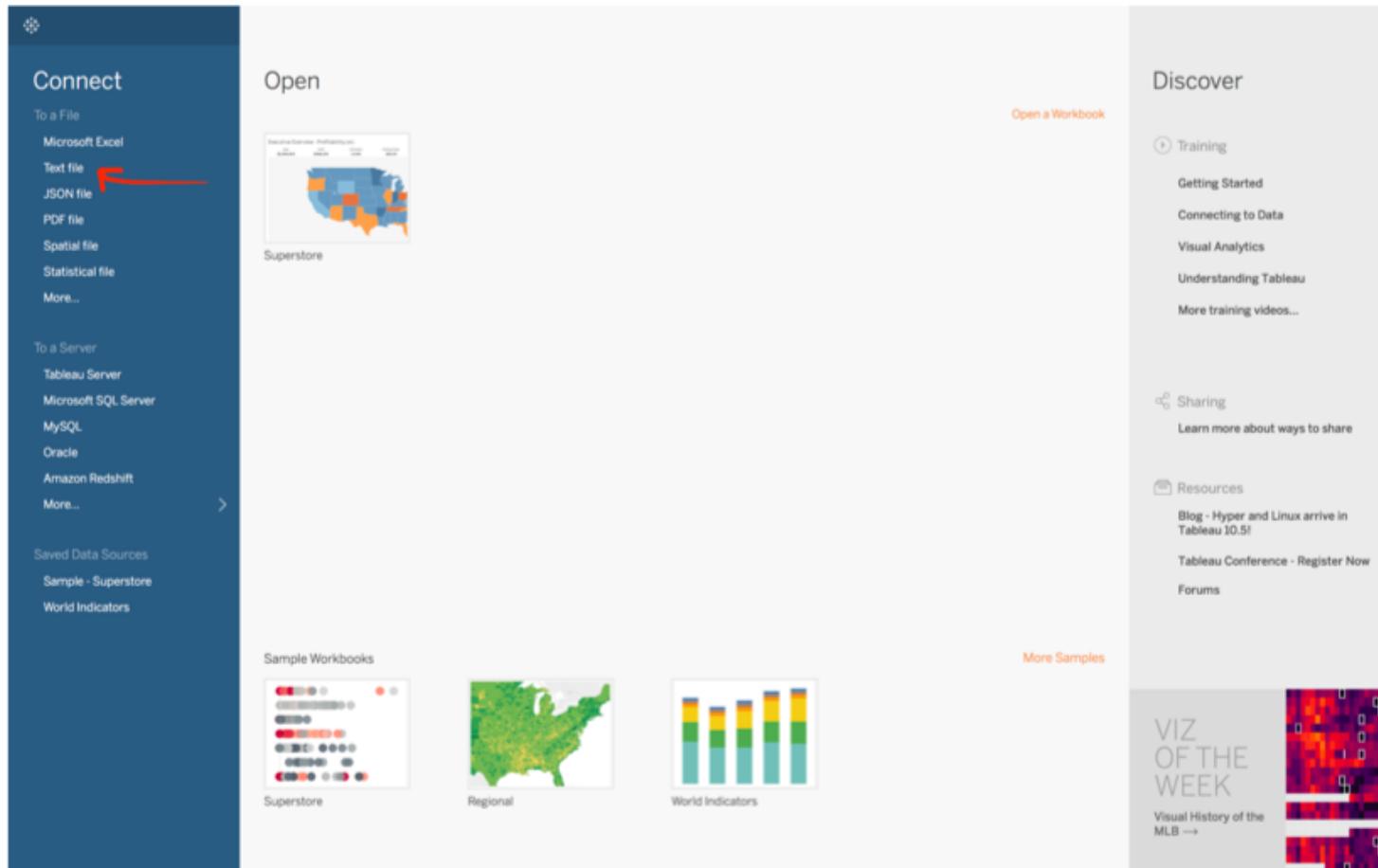
Rank	Dataset Name	Description	Tags	File Types	Size	Downloads
340	Wine Reviews	130k wine reviews with variety, location, winery, price, and description	critical theory, food and drink	CSV, JSON, CC4	51 MB	74
24	IMDB data from 2006 to 2016	A data set of 1,000 popular movies on IMDB in the last 10 years	film	CSV, Other	303 KB	8
18	Movie Genre from Its Poster	Predicting the genre of a movie by analyzing its poster	film, visual arts	CSV, Other	26 MB	4
19	Movie Dialog Corpus	A metadata-rich collection of fictional conversations from raw movie scripts	film, linguistics	Other	29 MB	3
23	350 000+ movies from themoviedb.org	More than 350k movies and main casting/crew up to Aug17	arts and entertainment, film, actors	CSV, Other	192 MB	6
989	TMDB 5000 Movie Dataset	Metadata on >5,000 movies from TMDb	film	CSV, Other	44 MB	1k
17	Saturday Night Live	Over 40 seasons of hilarious data	popular culture, film	CSV, Other	2 MB	46

Two red arrows point to the search bar and the second dataset in the list.

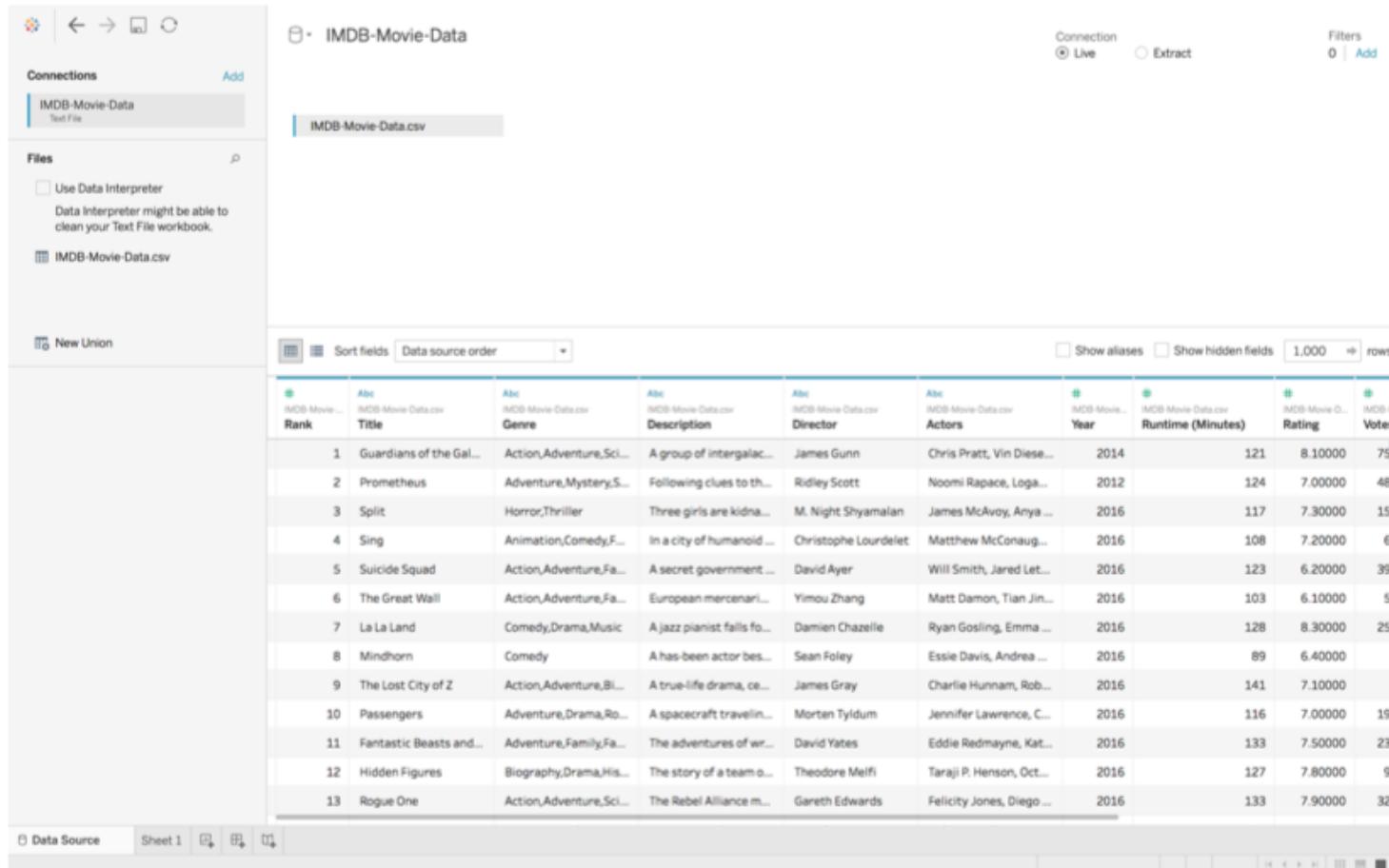
Download Dataset



Import file into Tableau



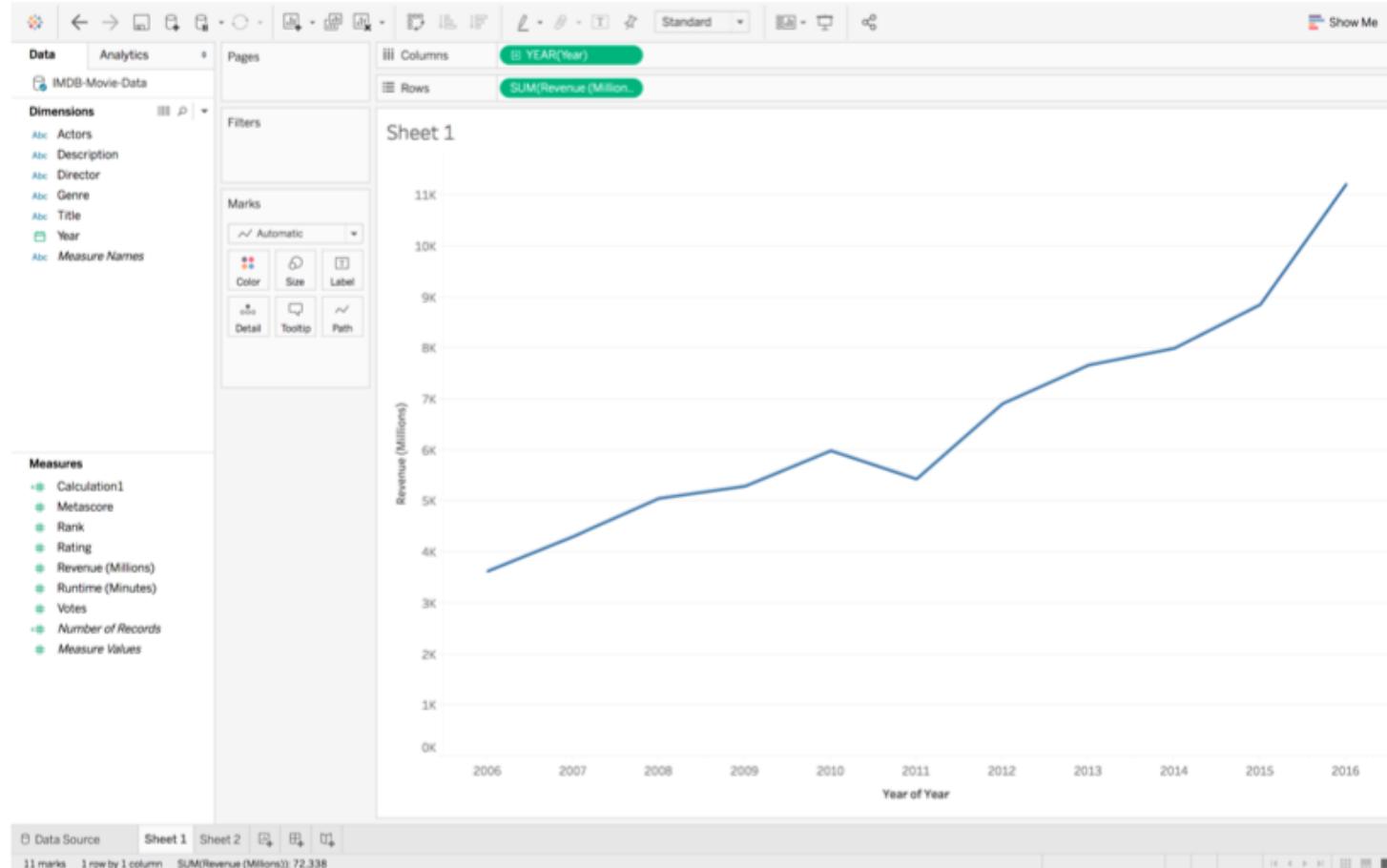
File opened in Tableau



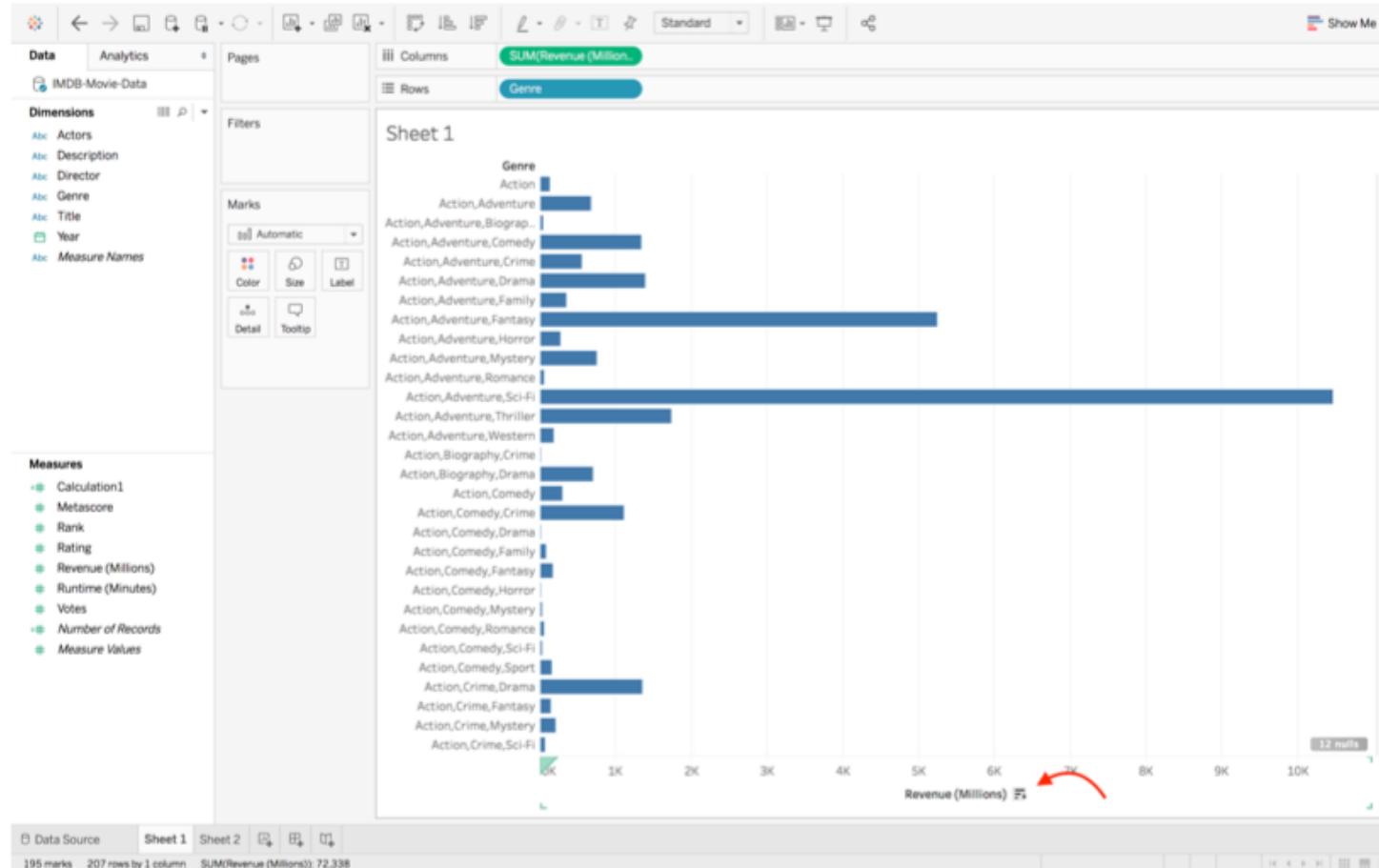
The screenshot shows the Tableau Data Source interface. On the left, the 'Connections' pane shows 'IMDB-Movie-Data' as a 'Text File'. The 'Files' pane shows 'IMDB-Movie-Data.csv'. A note says 'Use Data Interpreter' with a description: 'Data Interpreter might be able to clean your Text File workbook.' Below these are 'New Union' and 'IMDB-Movie-Data.csv' buttons. The main area displays the 'IMDB-Movie-Data.csv' data in a table format. The table has 13 columns: Rank, Title, Genre, Description, Director, Actors, Year, Runtime (Minutes), Rating, and Votes. The data includes 13 rows of movie information. The bottom of the screen shows the Tableau ribbon with 'Data Source', 'Sheet 1', and other navigation icons.

Rank	Title	Genre	Description	Director	Actors	Year	Runtime (Minutes)	Rating	Votes
1	Guardians of the Galaxy	Action, Adventure, Sci...	A group of intergalactic...	James Gunn	Chris Pratt, Vin Diesel, ...	2014	121	8.10000	757,
2	Prometheus	Adventure, Mystery, Sci...	Following clues to the ...	Ridley Scott	Noomi Rapace, Logan ...	2012	124	7.00000	485,
3	Split	Horror, Thriller	Three girls are kidna...	M. Night Shyamalan	James McAvoy, Anya ...	2016	117	7.30000	157,
4	Sing	Animation, Comedy, Fam...	In a city of humanoid ...	Christophe Lourdelet	Matthew McConaughey, ...	2016	108	7.20000	60,
5	Suicide Squad	Action, Adventure, Fam...	A secret government ...	David Ayer	Will Smith, Jared Leto, ...	2016	123	6.20000	393,
6	The Great Wall	Action, Adventure, Fam...	European mercenari...	Yimou Zhang	Matt Damon, Tian Jing, ...	2016	103	6.10000	56,
7	La La Land	Comedy, Drama, Music	A jazz pianist falls fo...	Damien Chazelle	Ryan Gosling, Emma ...	2016	128	8.30000	258,
8	Mindhorn	Comedy	A has-been actor bes...	Sean Foley	Essie Davis, Andrea ...	2016	89	6.40000	2,
9	The Lost City of Z	Action, Adventure, Bi...	A true-life drama, ce...	James Gray	Charlie Hunnam, Rob ...	2016	141	7.10000	7,
10	Passengers	Adventure, Drama, Ro...	A spacecraft travelin...	Morten Tyldum	Jennifer Lawrence, Chris ...	2016	116	7.00000	192,
11	Fantastic Beasts and ...	Adventure, Family, Fa...	The adventures of wr...	David Yates	Eddie Redmayne, Katherine ...	2016	133	7.50000	232,
12	Hidden Figures	Biography, Drama, His...	The story of a team o...	Theodore Melfi	Taraji P. Henson, Octavia ...	2016	127	7.80000	93,
13	Rogue One	Action, Adventure, Sci...	The Rebel Alliance m...	Gareth Edwards	Felicity Jones, Diego ...	2016	133	7.90000	323,

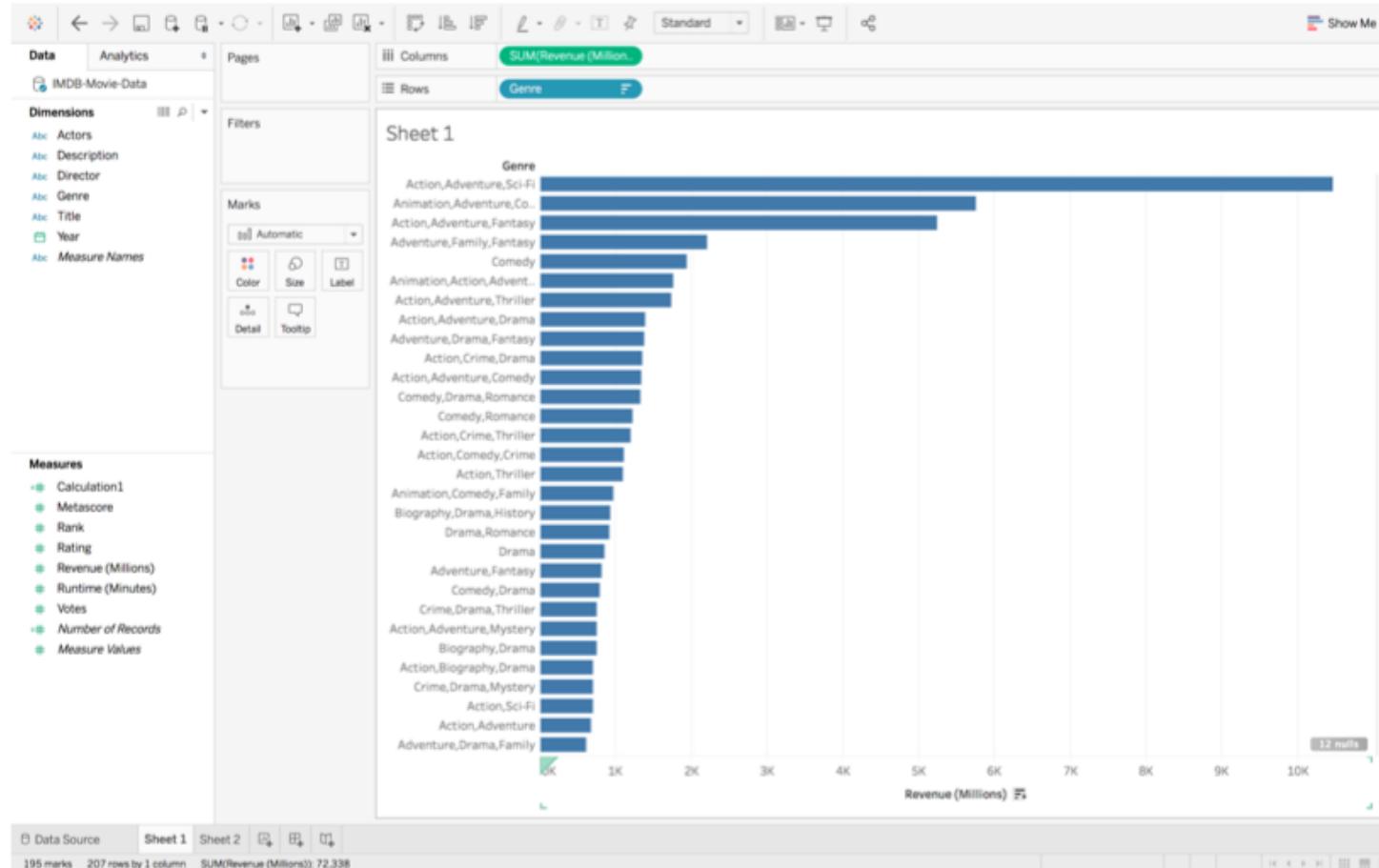
Visualization



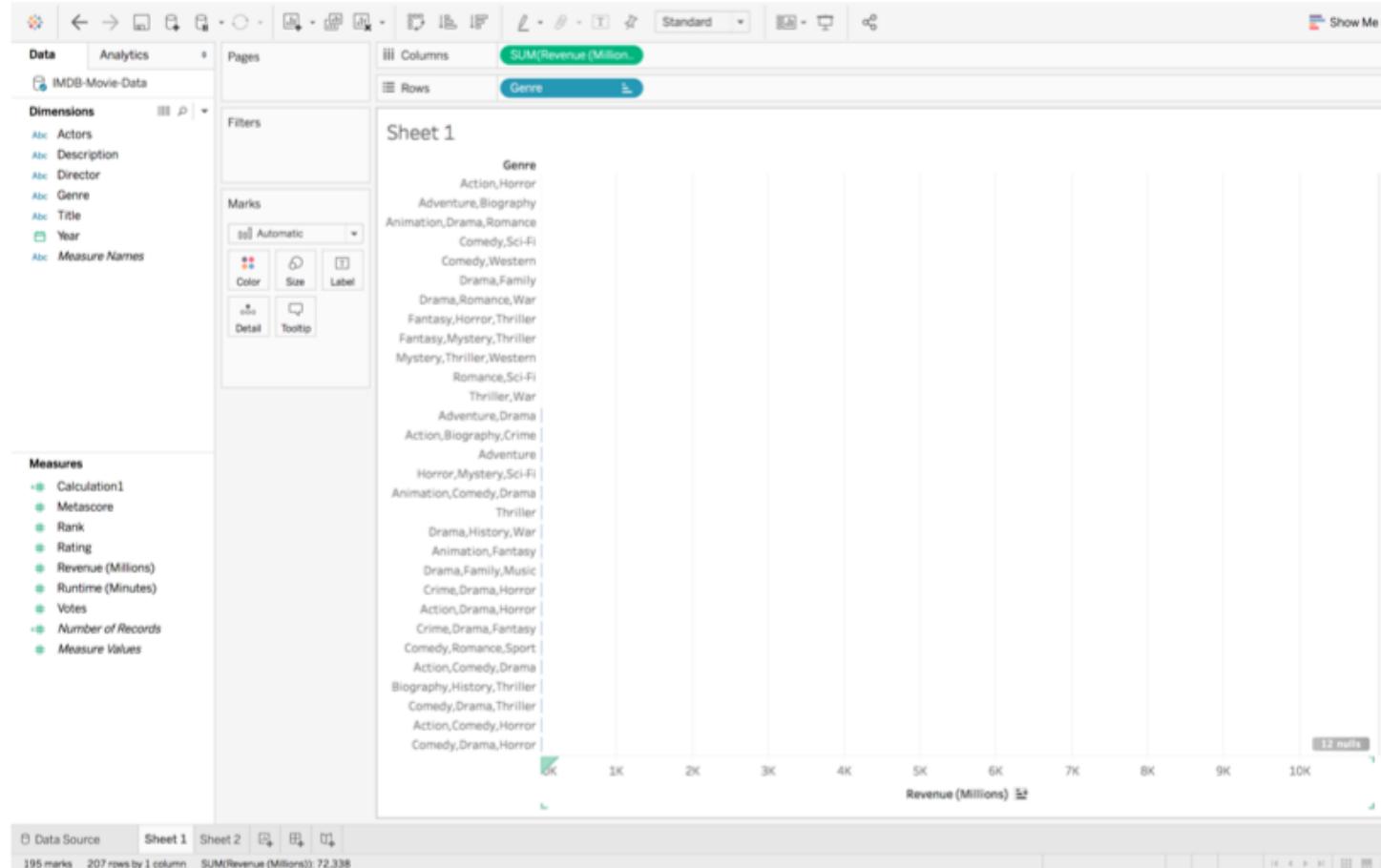
Visualization



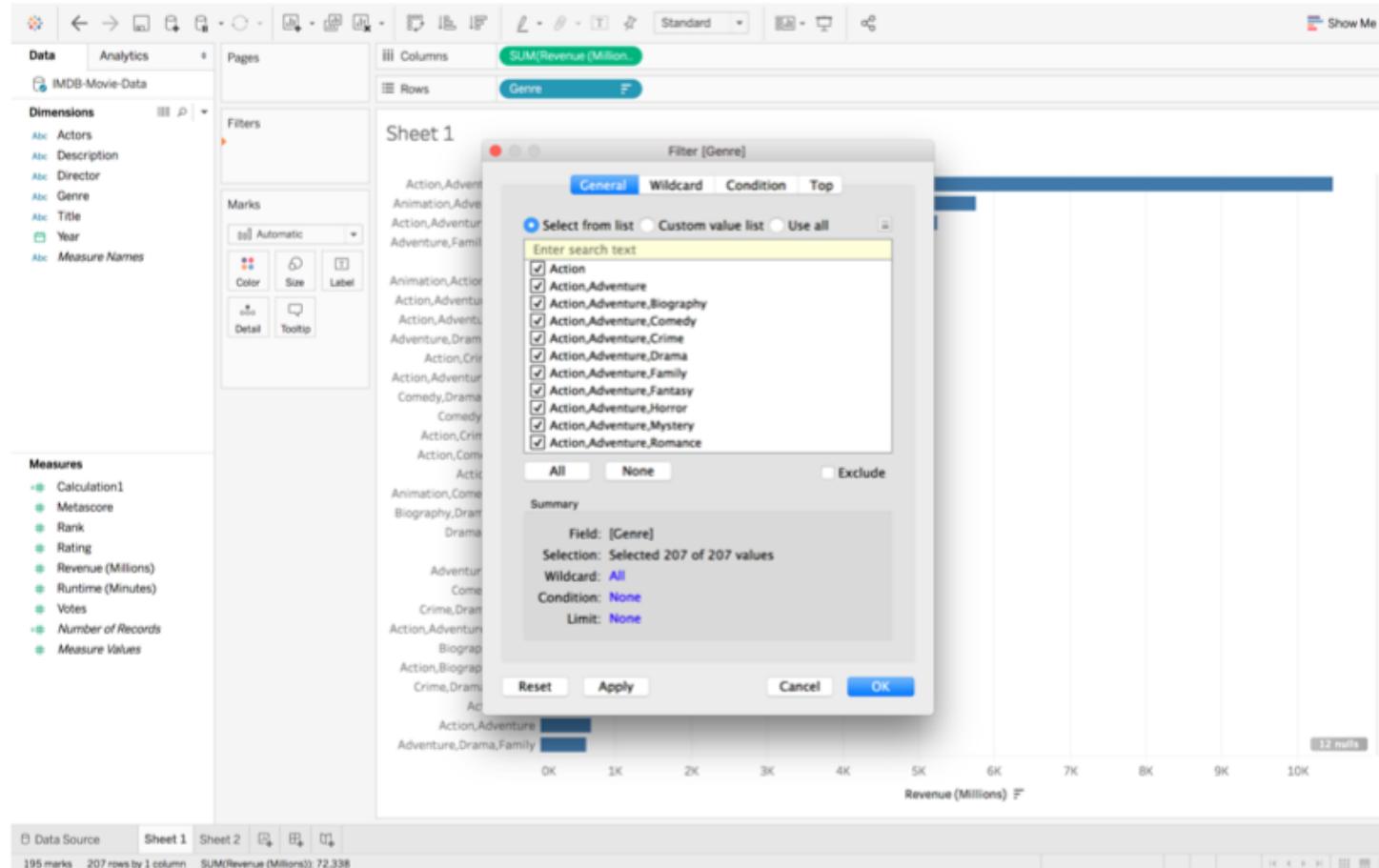
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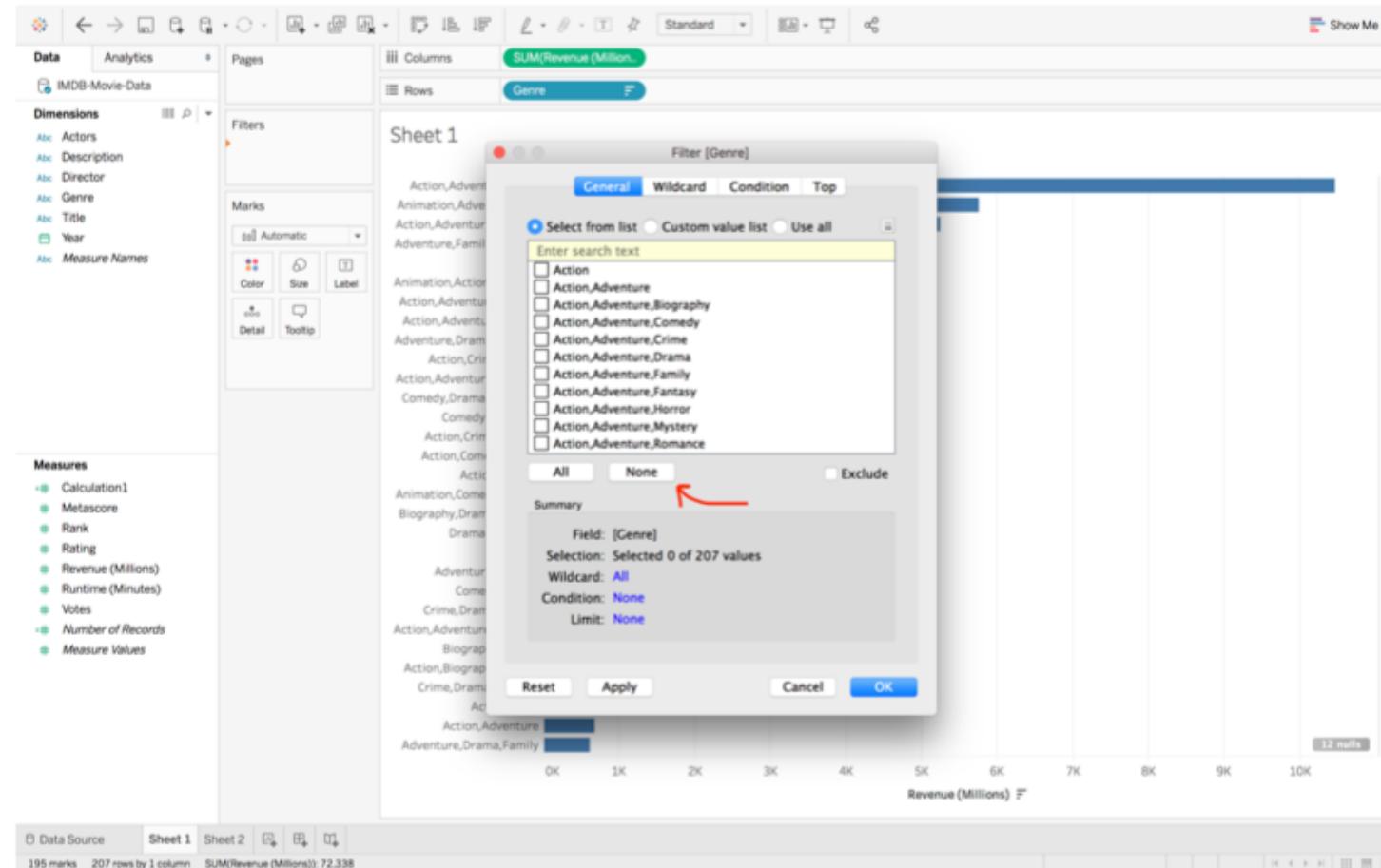
Visualization



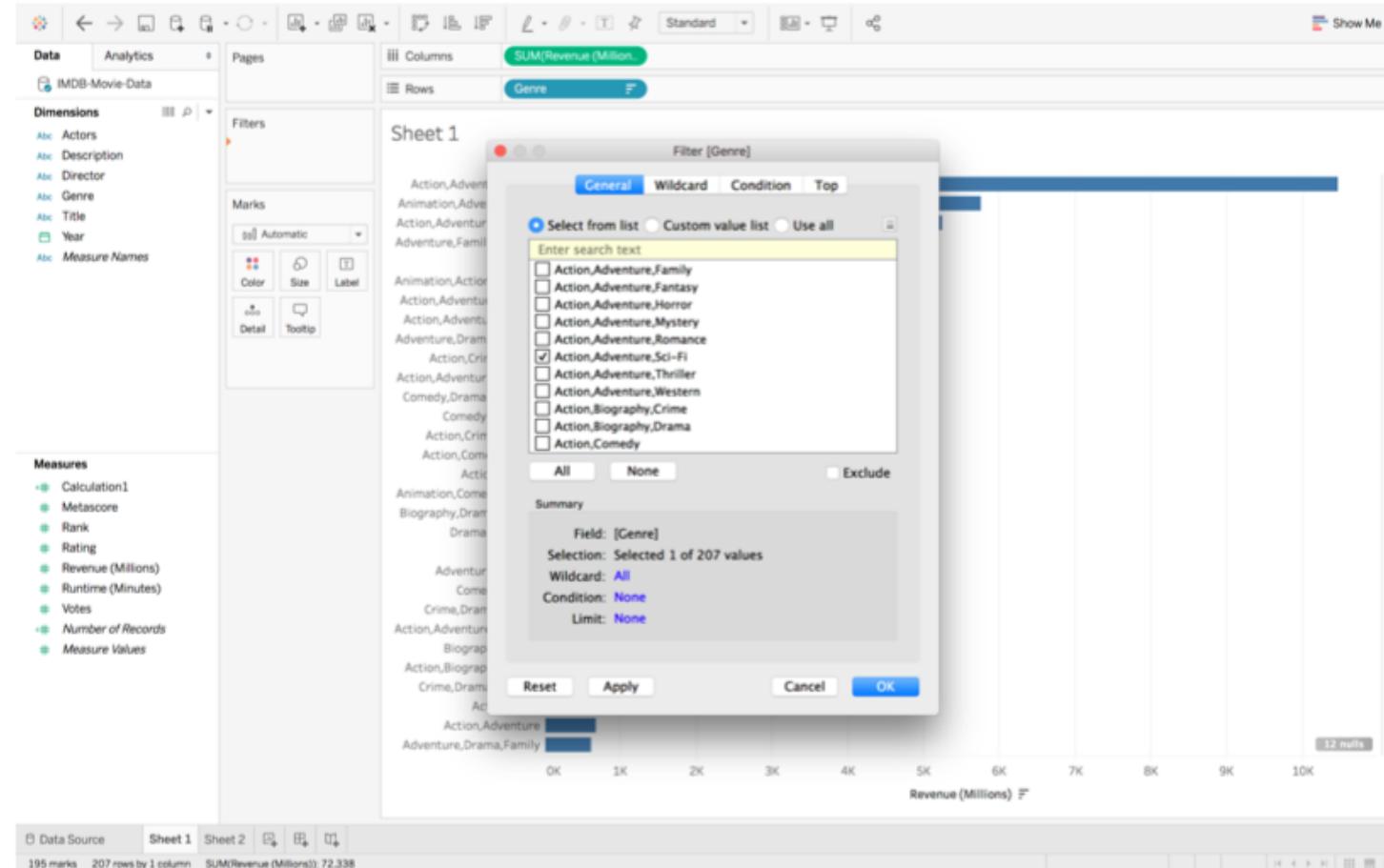
Filtering



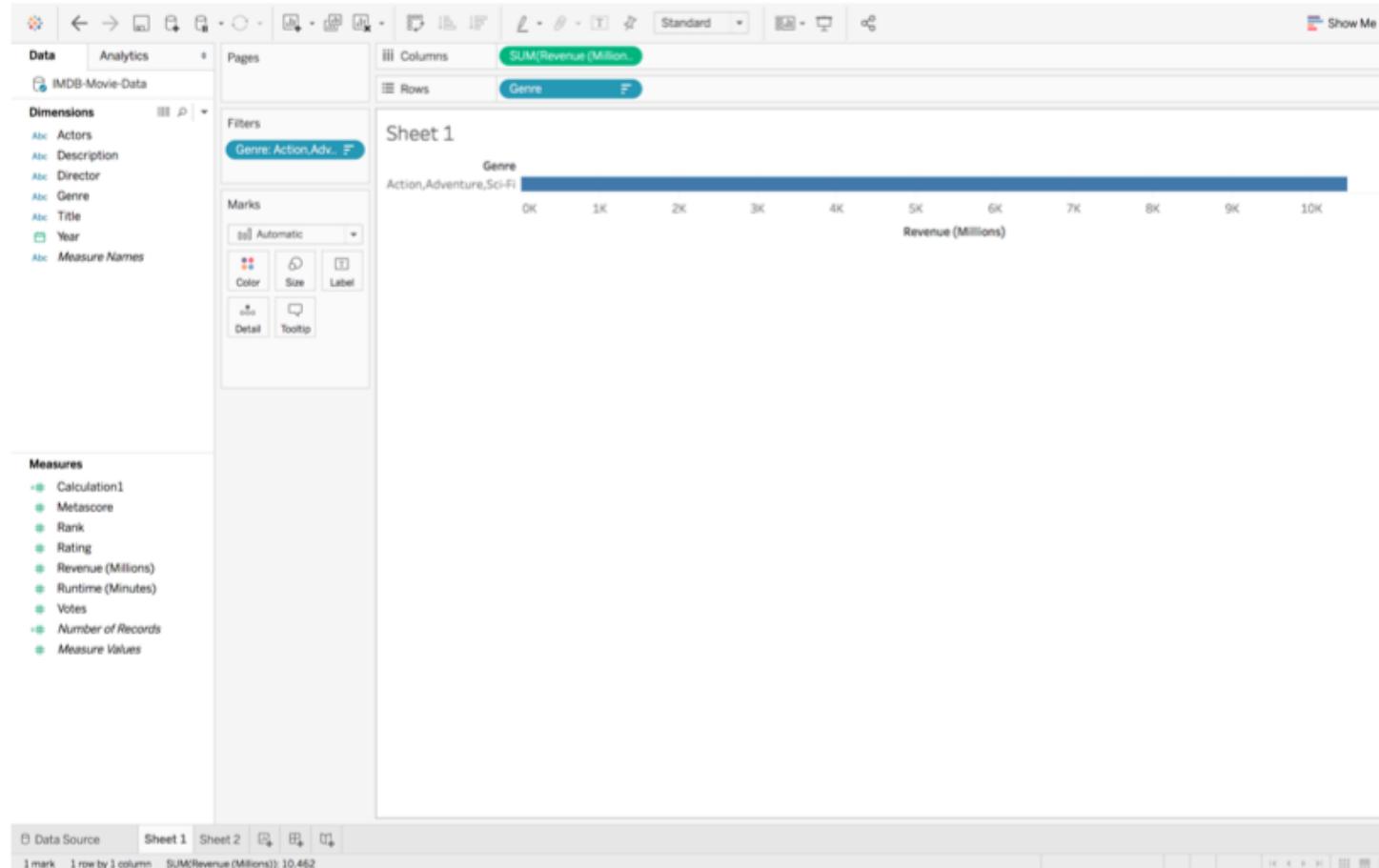
Filtering



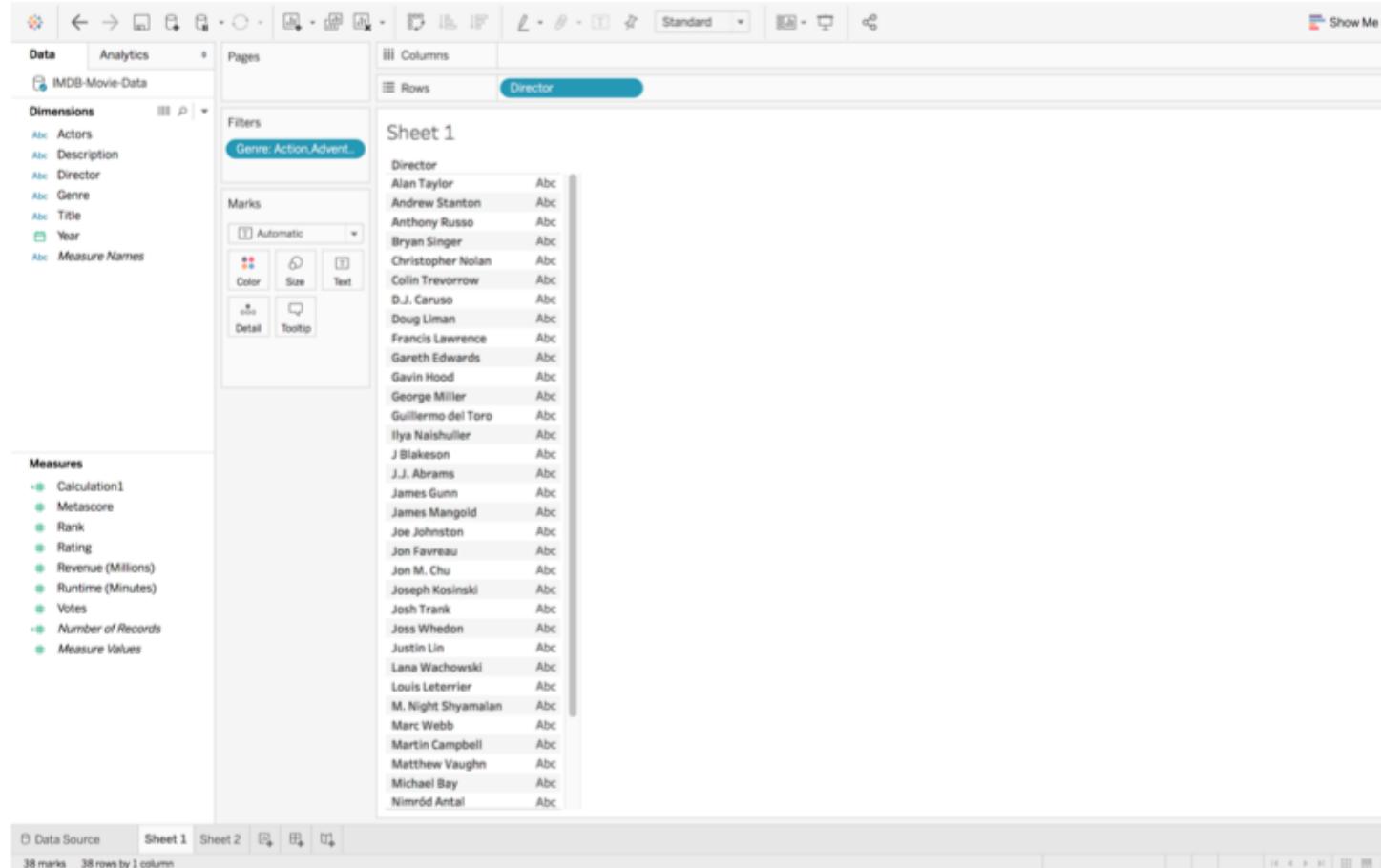
Filtering



Filtering



Visualization

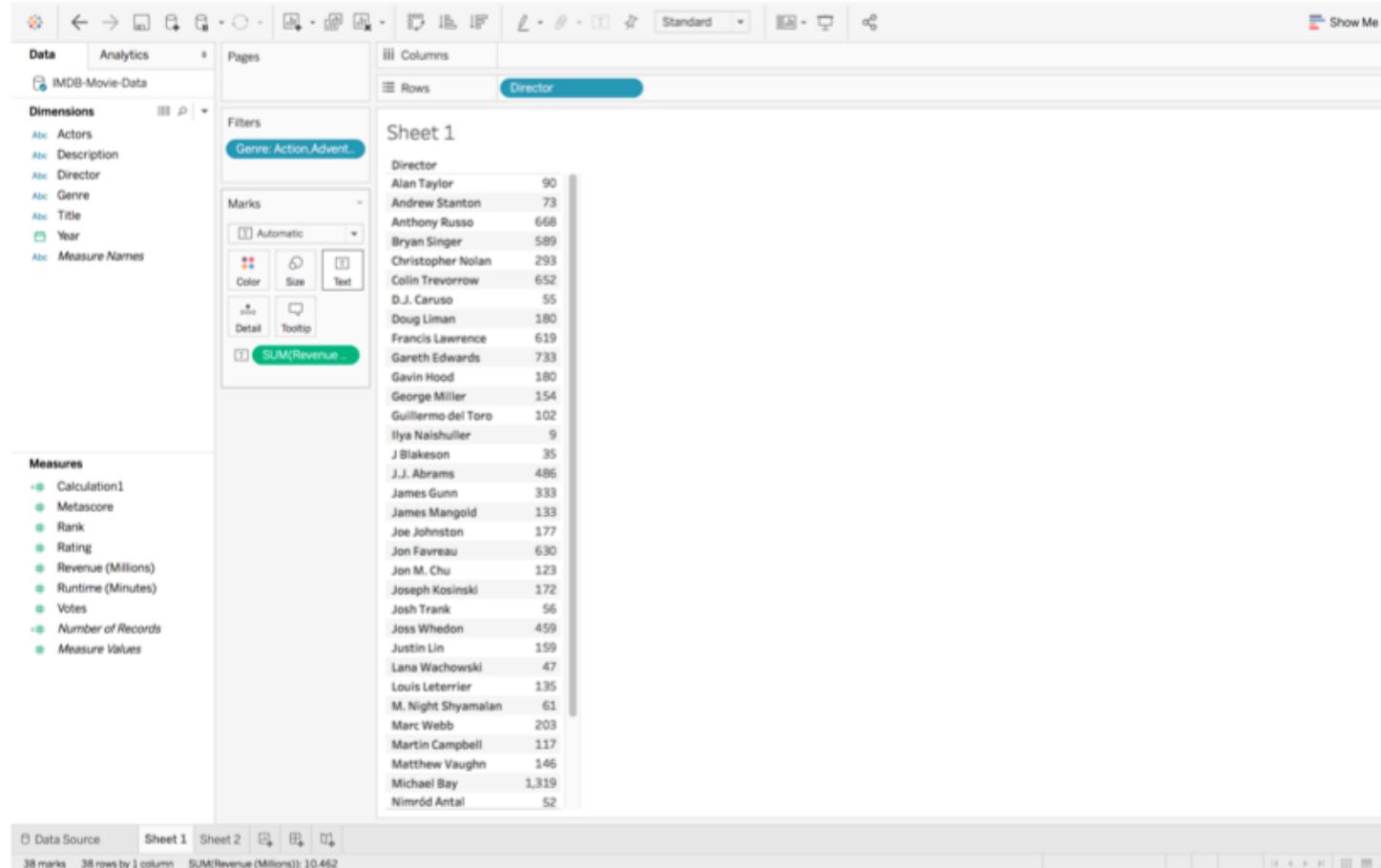


The screenshot shows the Tableau Data Explorer interface with the following details:

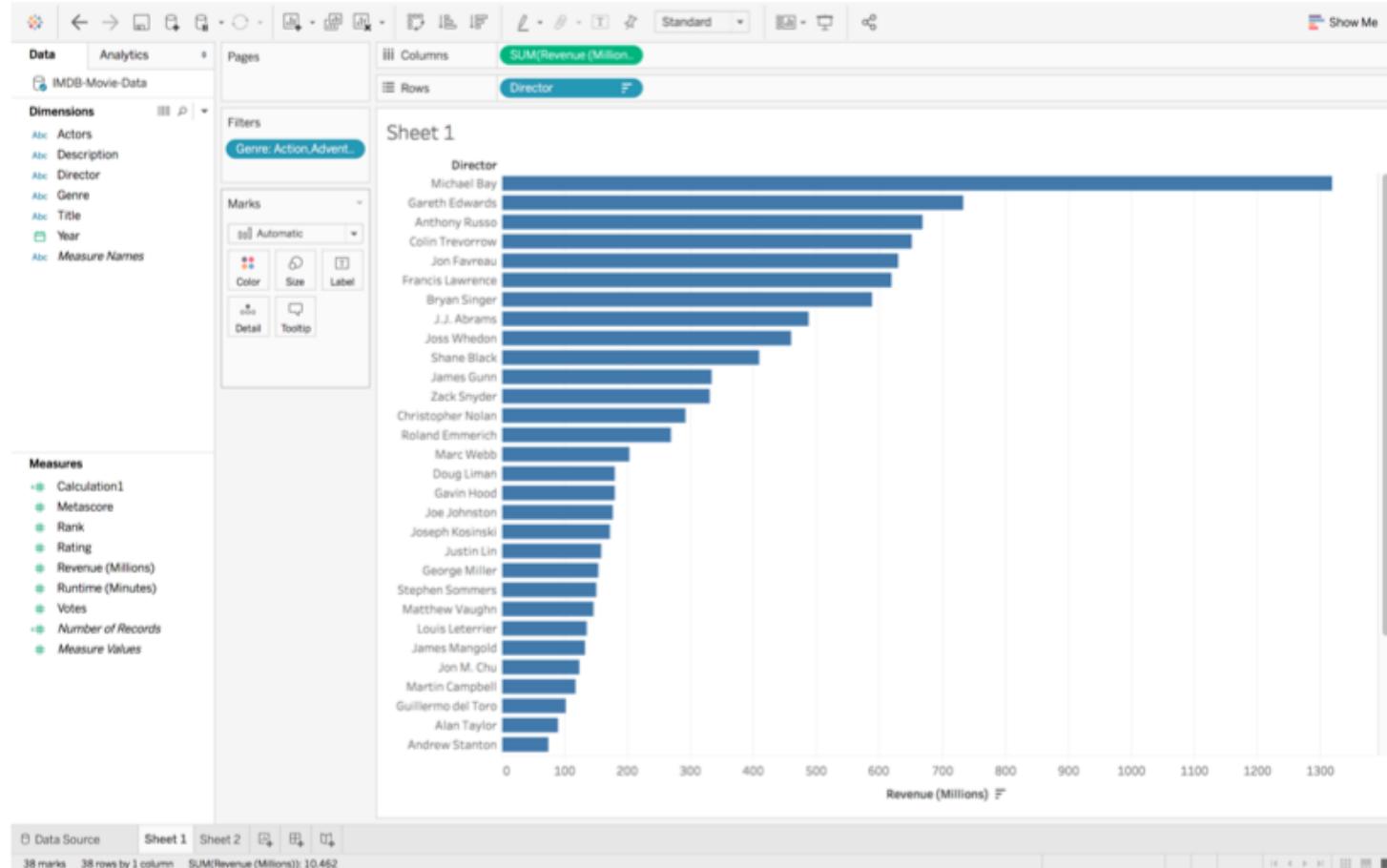
- Top Bar:** Includes standard icons for file operations (New, Open, Save, etc.), a search bar, and a "Show Me" button.
- Left Sidebar:**
 - Data:** Shows the "IMDB-Movie-Data" connection.
 - Dimensions:** Lists "Actors", "Description", "Director", "Genre", "Title", "Year", and "Measure Names".
 - Measures:** Lists "Calculation1", "Metascore", "Rank", "Rating", "Revenue (Millions)", "Runtime (Minutes)", "Votes", "Number of Records", and "Measure Values".
- Filters:** A "Genre: Action,Advent." filter is applied.
- Marks:** The "Text" mark type is selected.
- Sheet 1:** A list of 38 directors and their names, each preceded by an "Abc" label.
- Bottom Bar:** Includes tabs for "Data Source", "Sheet 1" (selected), "Sheet 2", and other navigation icons.

Director	Abc
Alan Taylor	Abc
Andrew Stanton	Abc
Anthony Russo	Abc
Bryan Singer	Abc
Christopher Nolan	Abc
Colin Trevorrow	Abc
D.J. Caruso	Abc
Doug Liman	Abc
Francis Lawrence	Abc
Gareth Edwards	Abc
Gavin Hood	Abc
George Miller	Abc
Guillermo del Toro	Abc
Ilya Naishulier	Abc
J Blakeson	Abc
J.J. Abrams	Abc
James Gunn	Abc
James Mangold	Abc
Joe Johnston	Abc
Jon Favreau	Abc
Jon M. Chu	Abc
Joseph Kosinski	Abc
Josh Trank	Abc
Joss Whedon	Abc
Justin Lin	Abc
Lana Wachowski	Abc
Louis Leterrier	Abc
M. Night Shyamalan	Abc
Marc Webb	Abc
Martin Campbell	Abc
Matthew Vaughn	Abc
Michael Bay	Abc
Nimród Antal	Abc

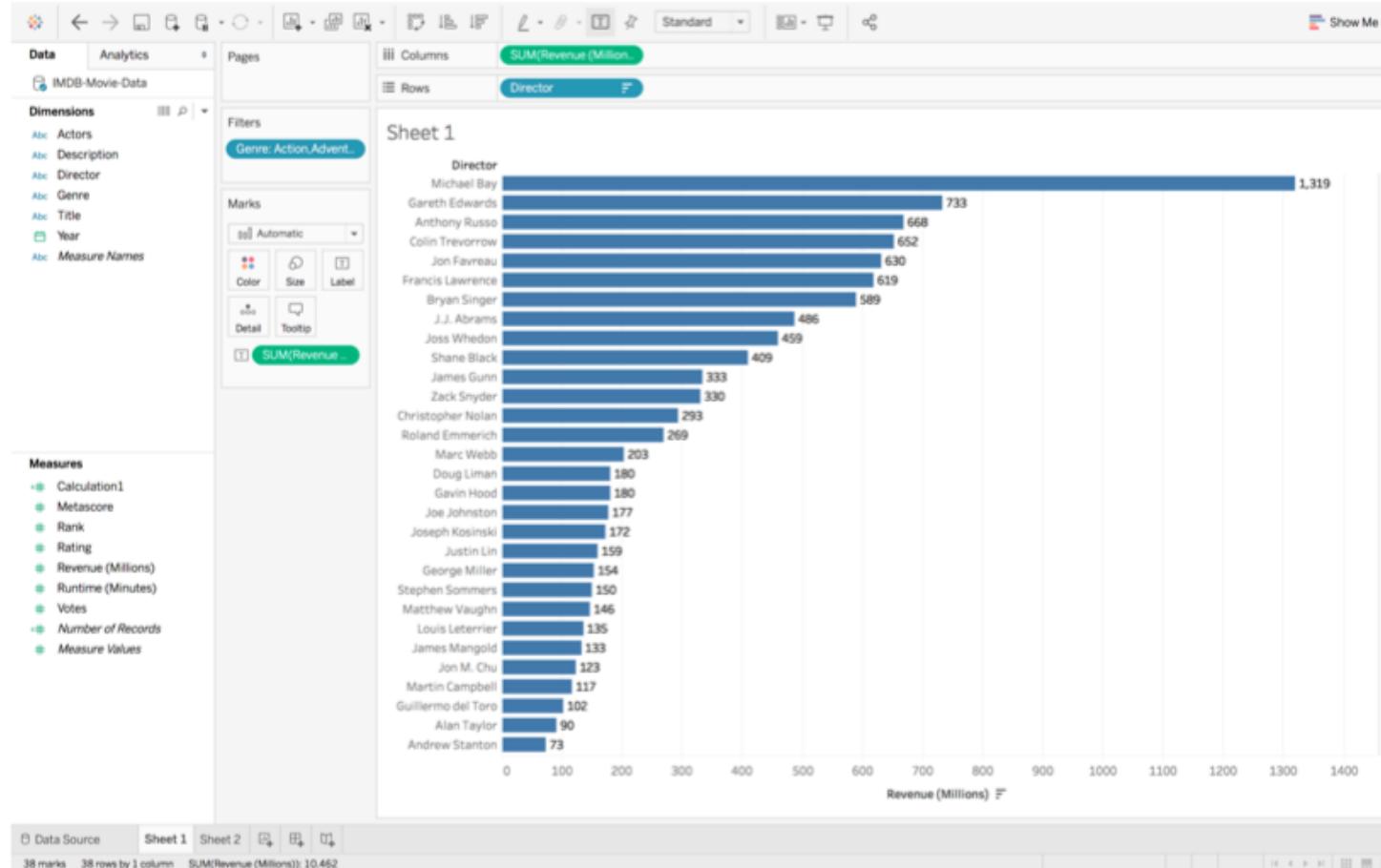
Visualization



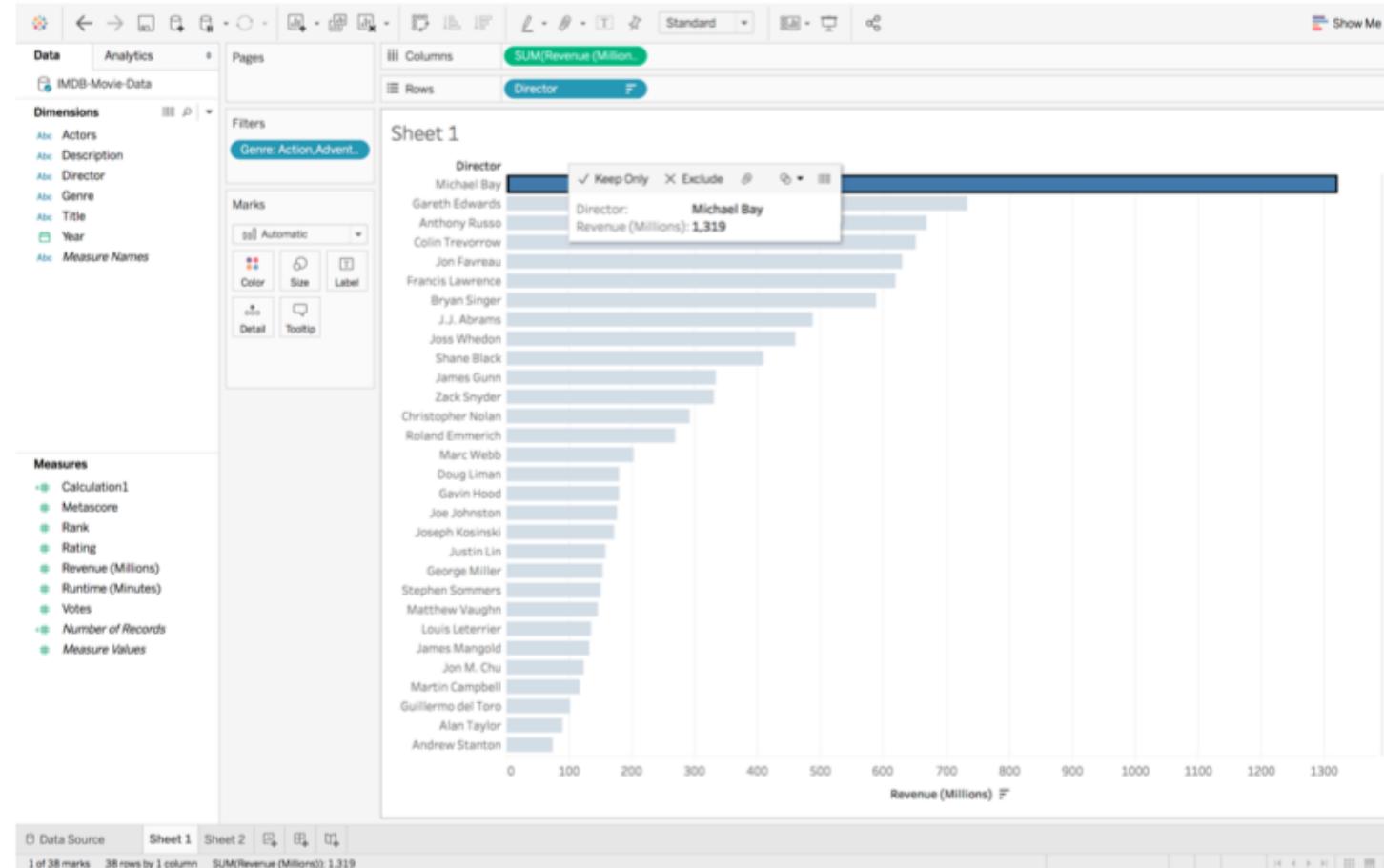
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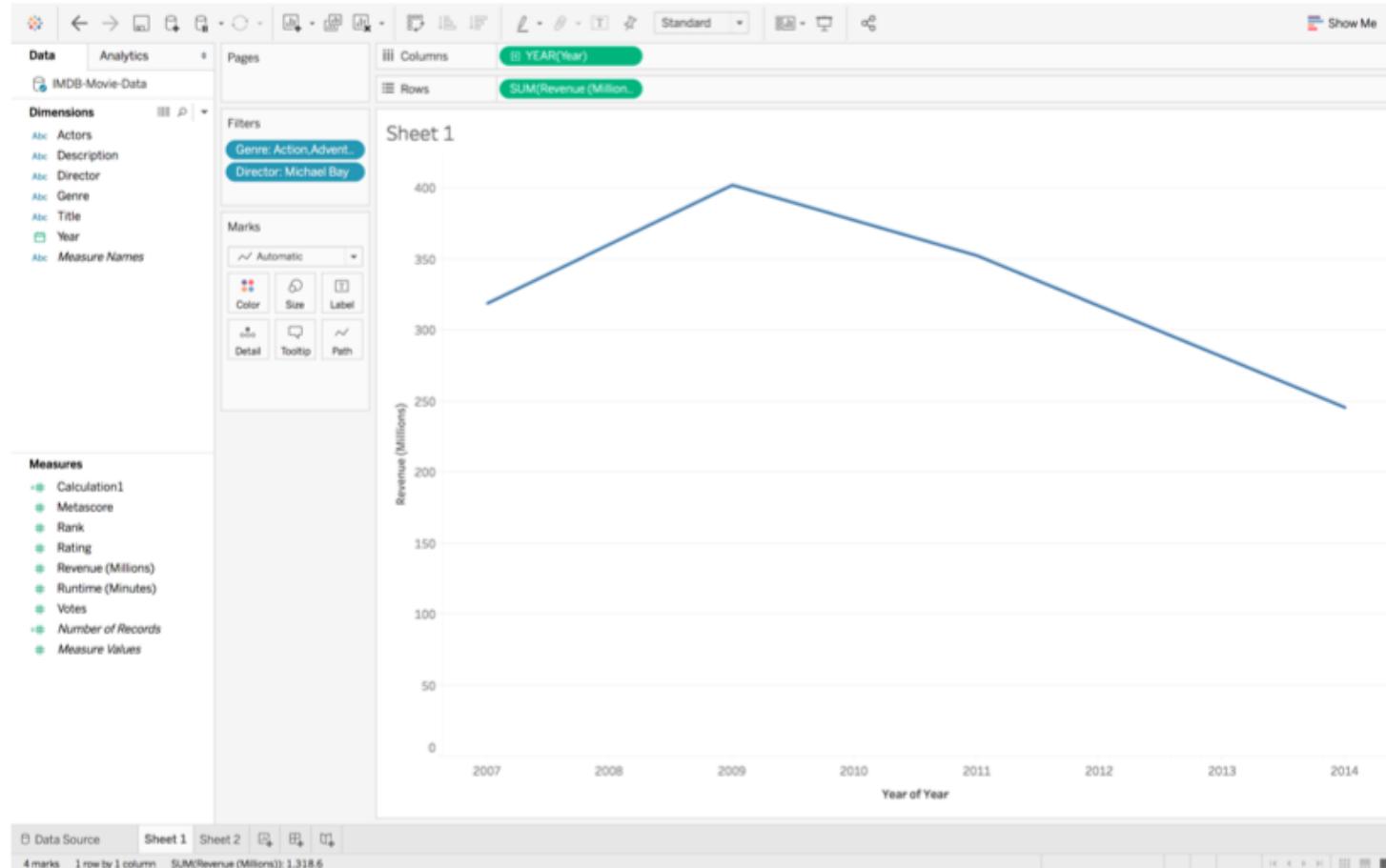
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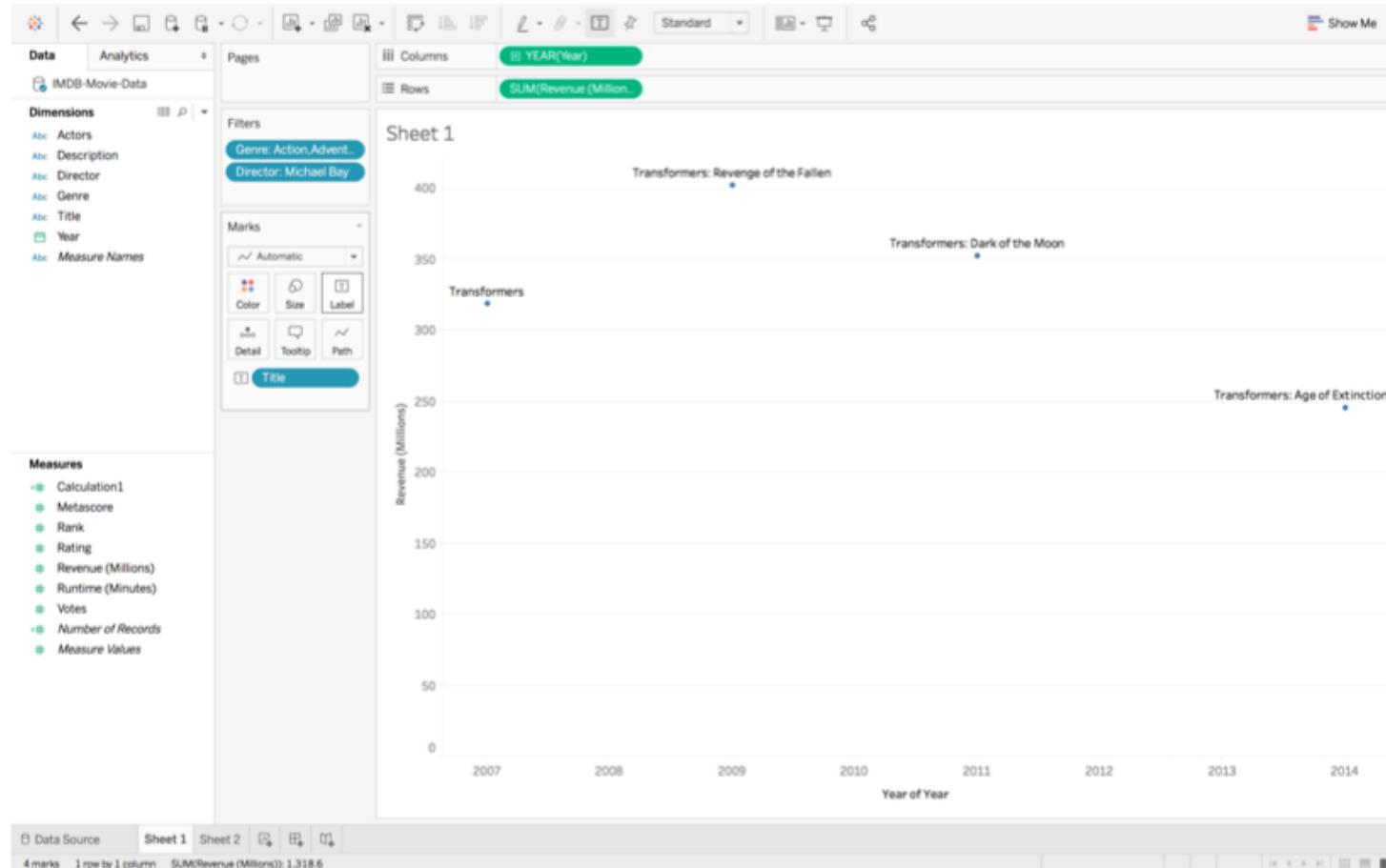
Filtering



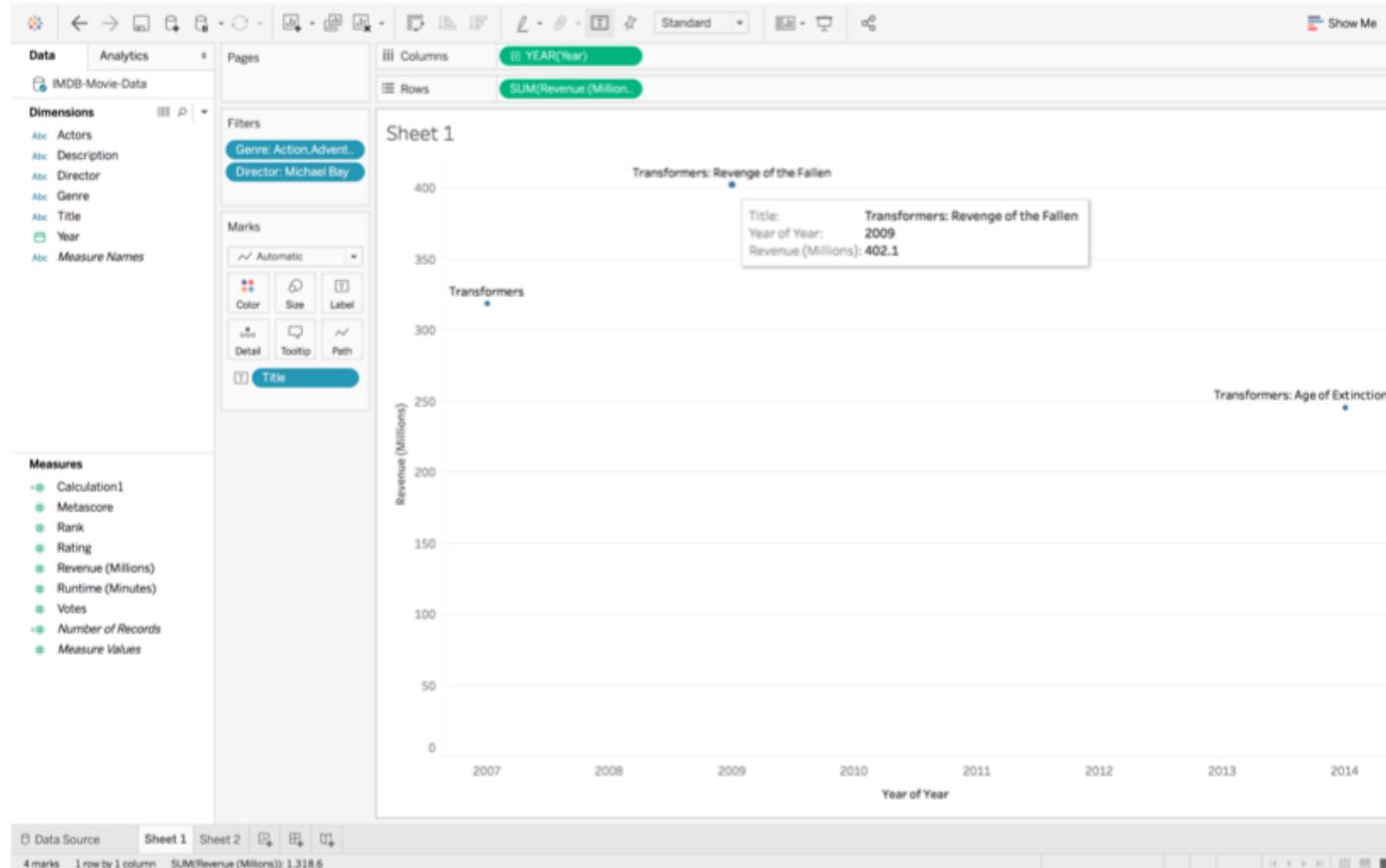
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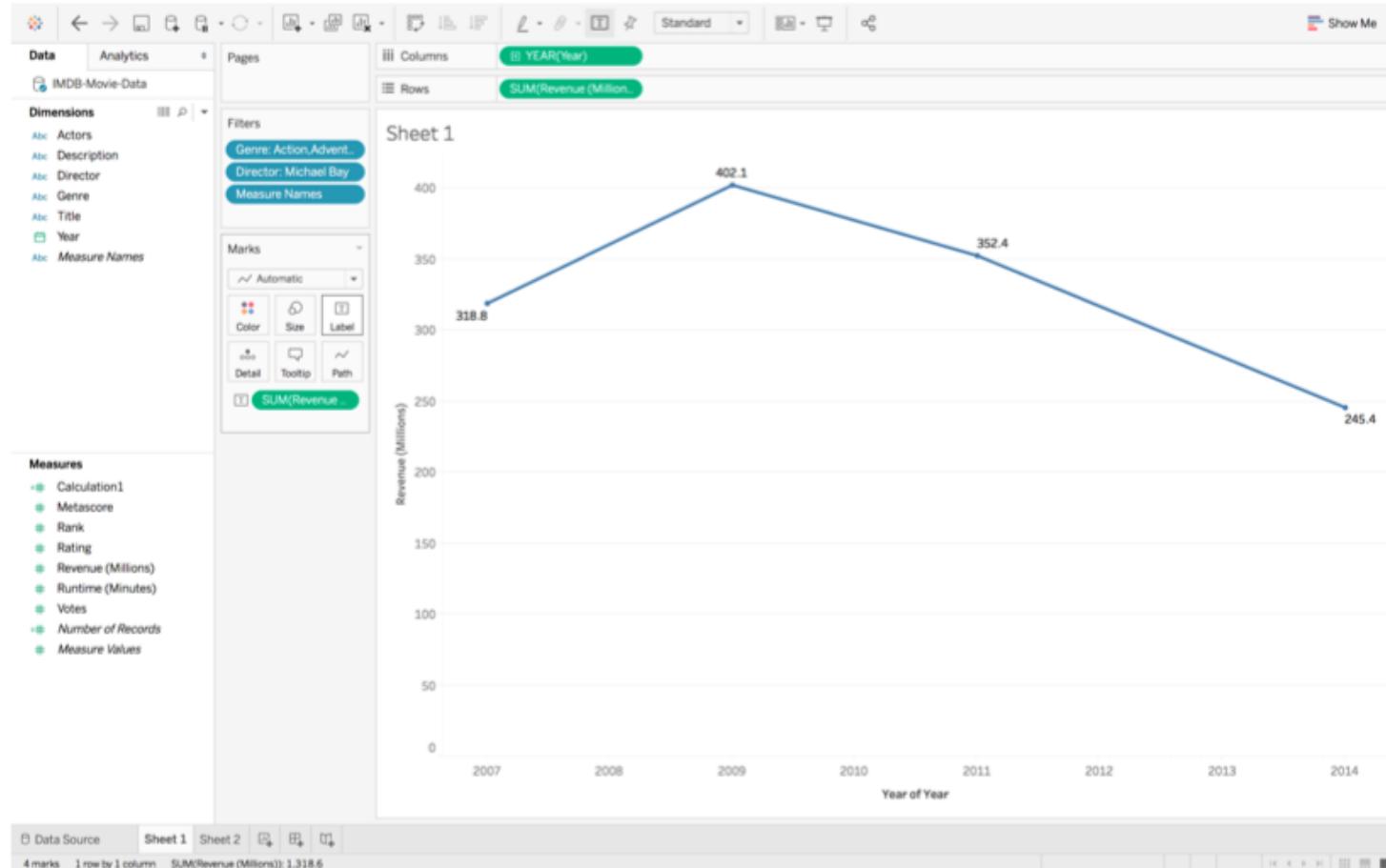
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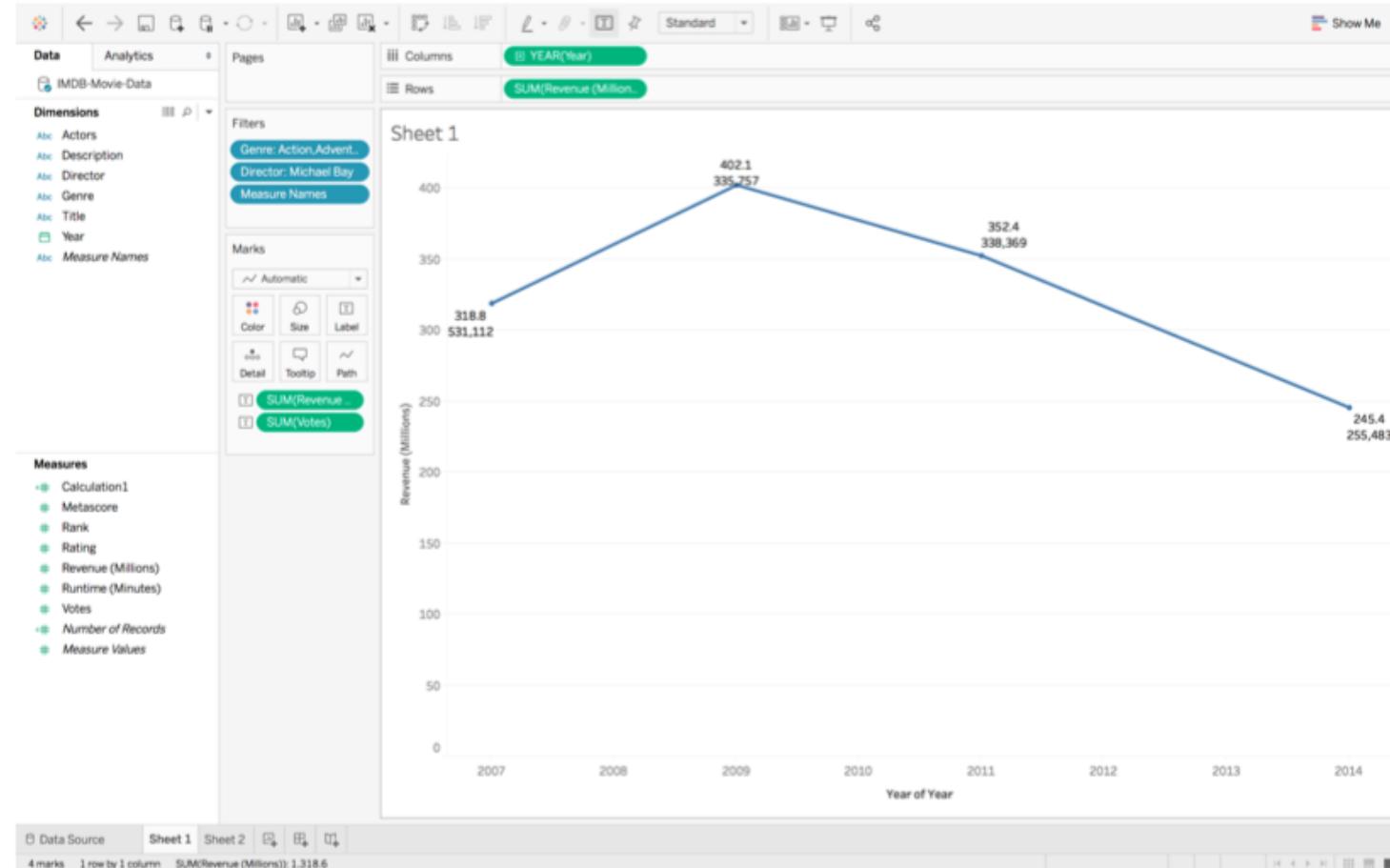
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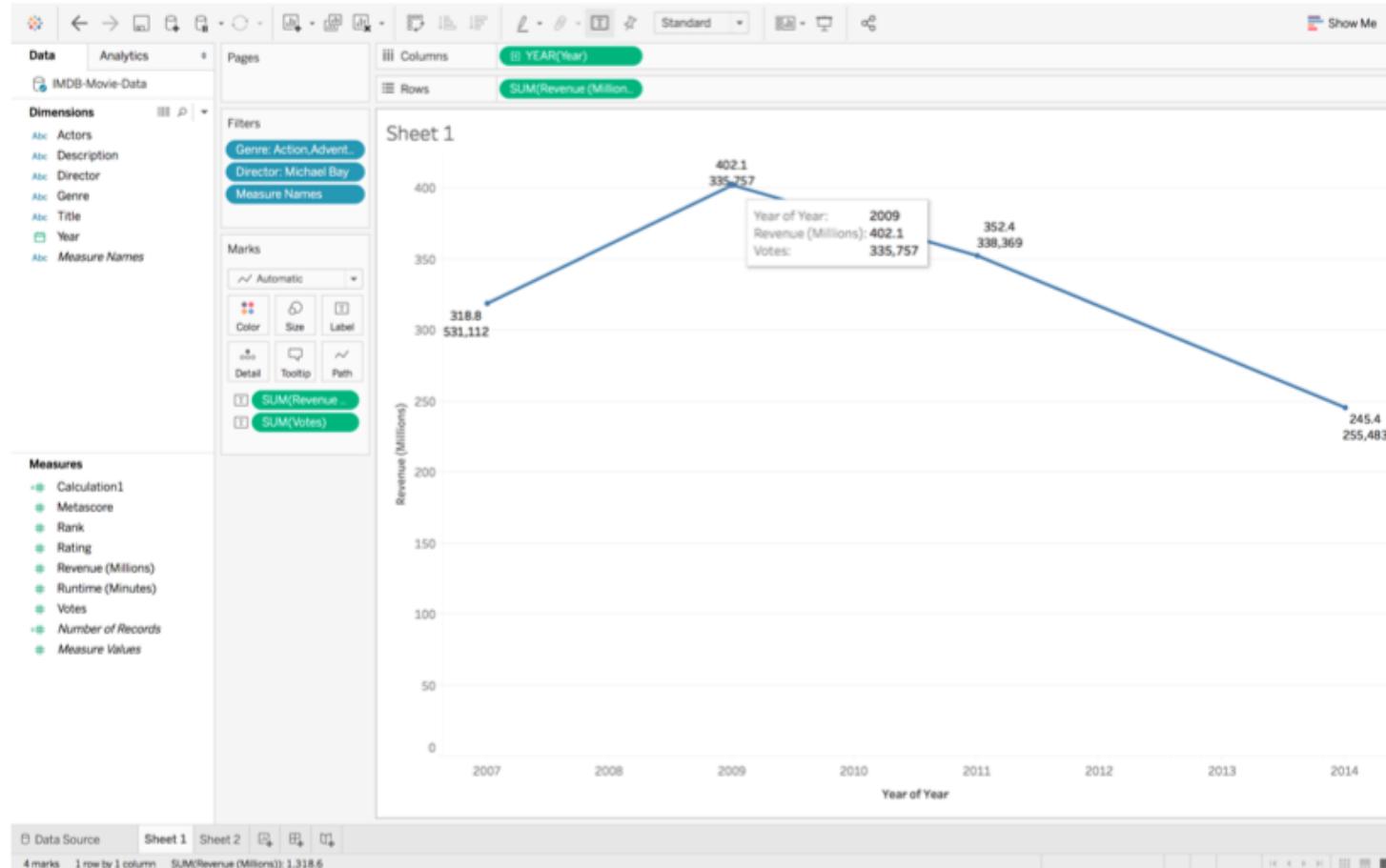
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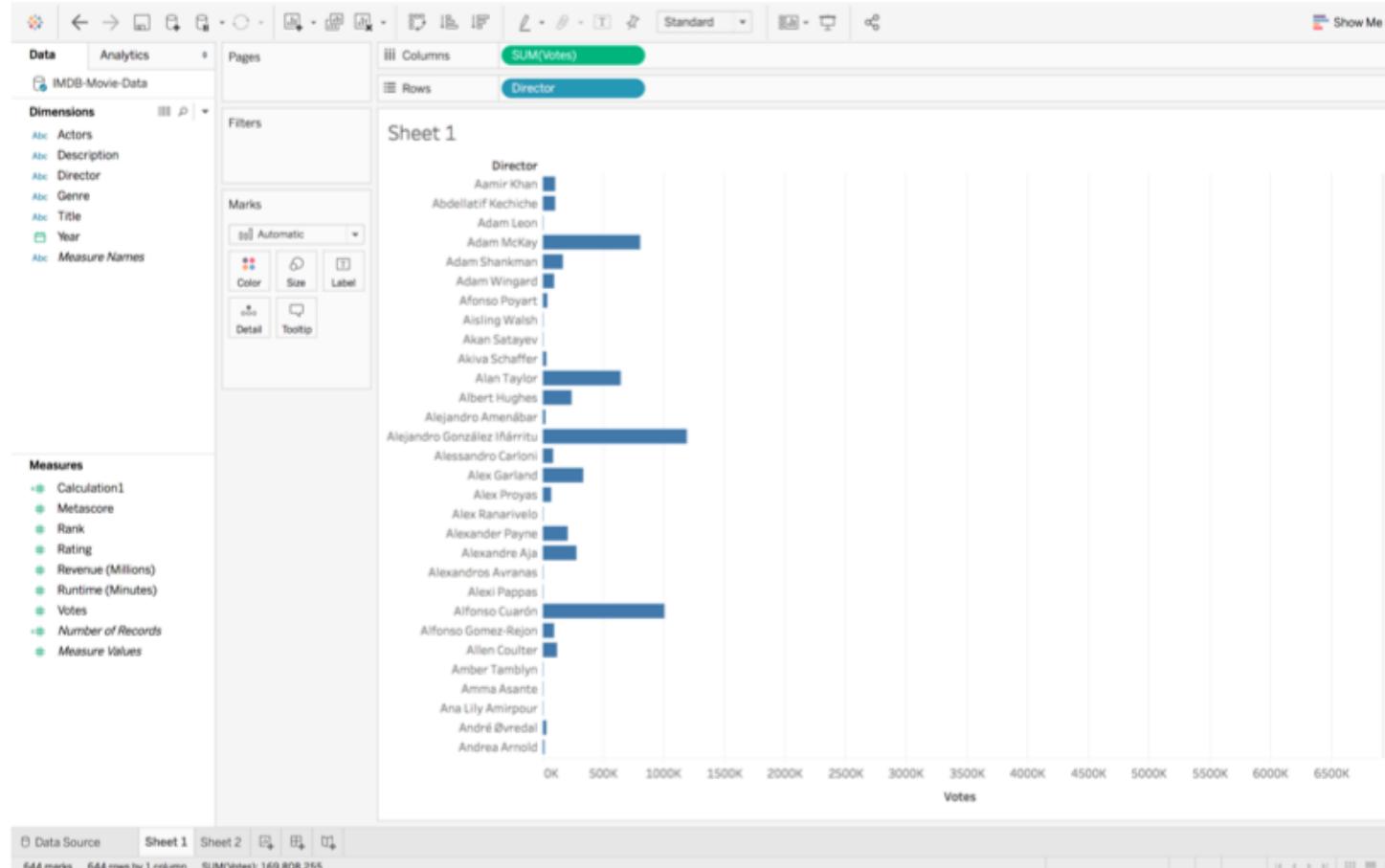
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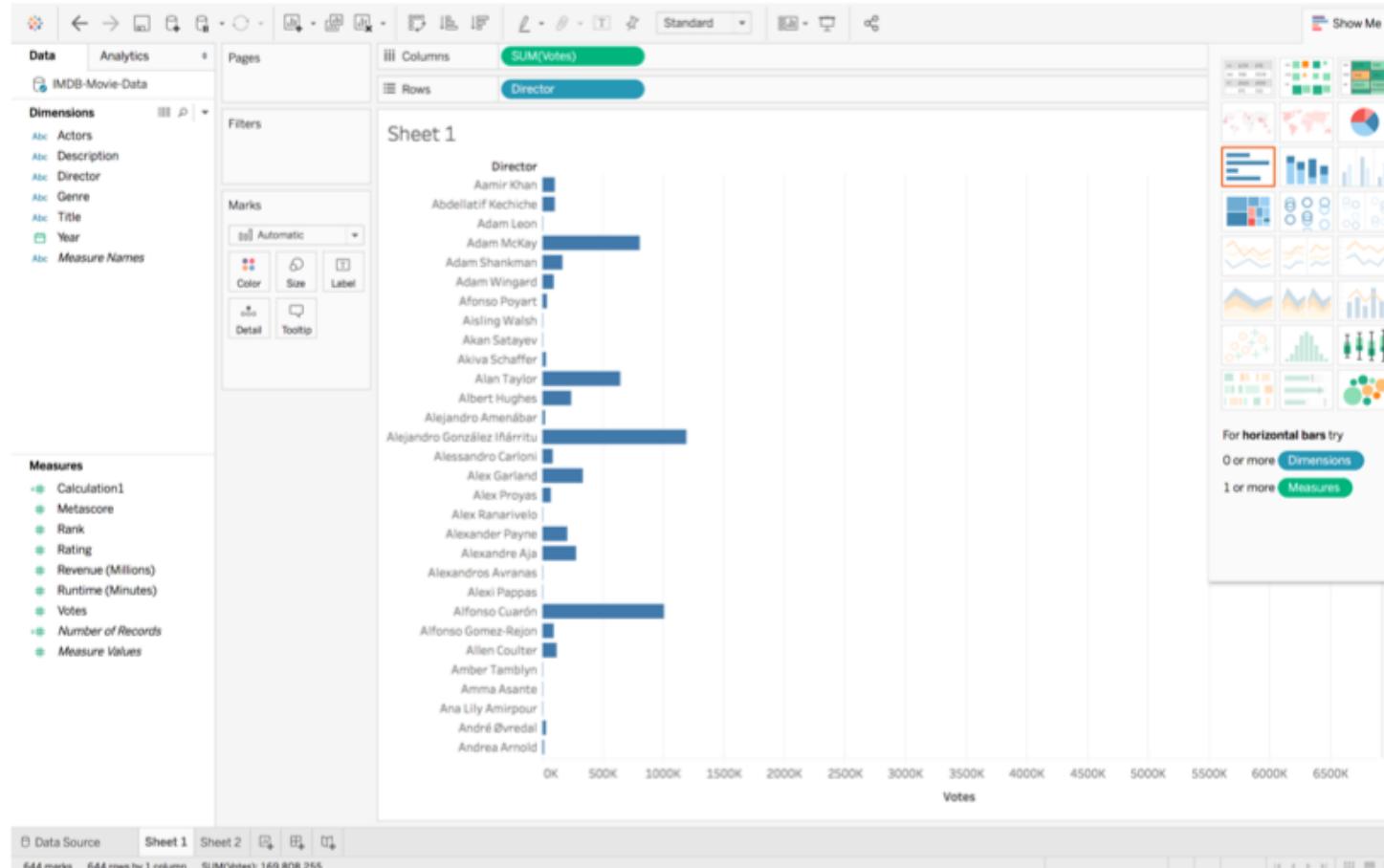
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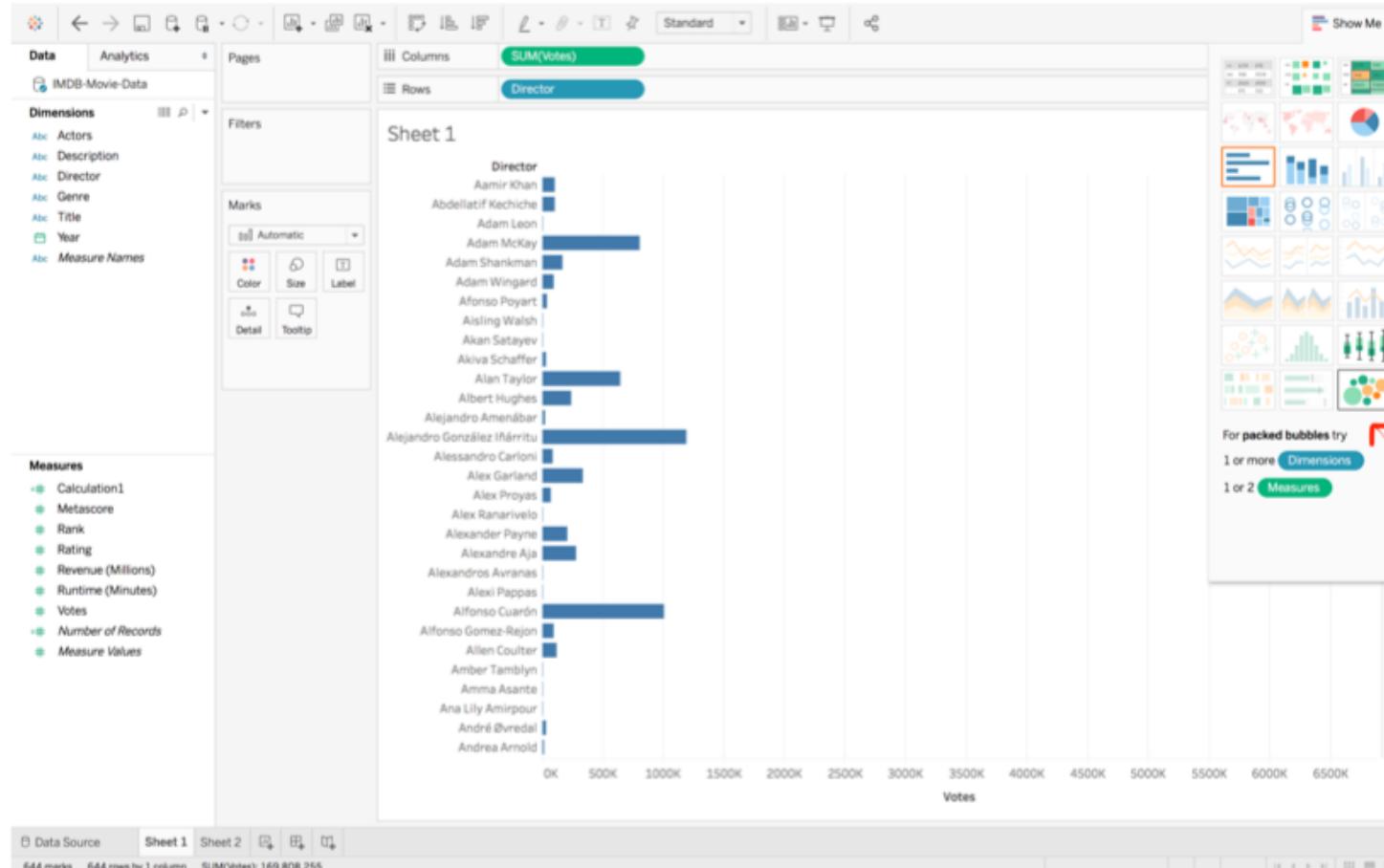
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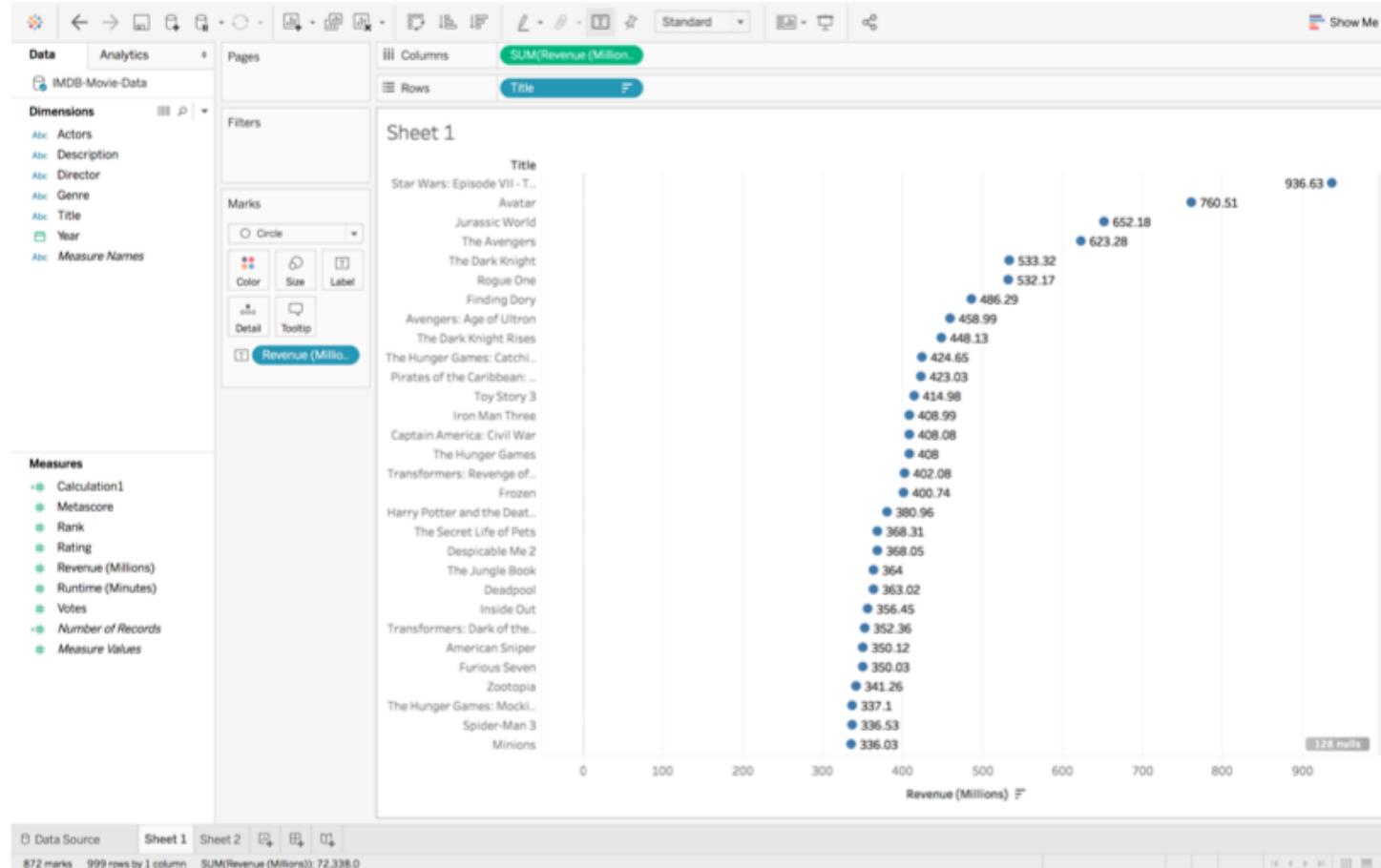
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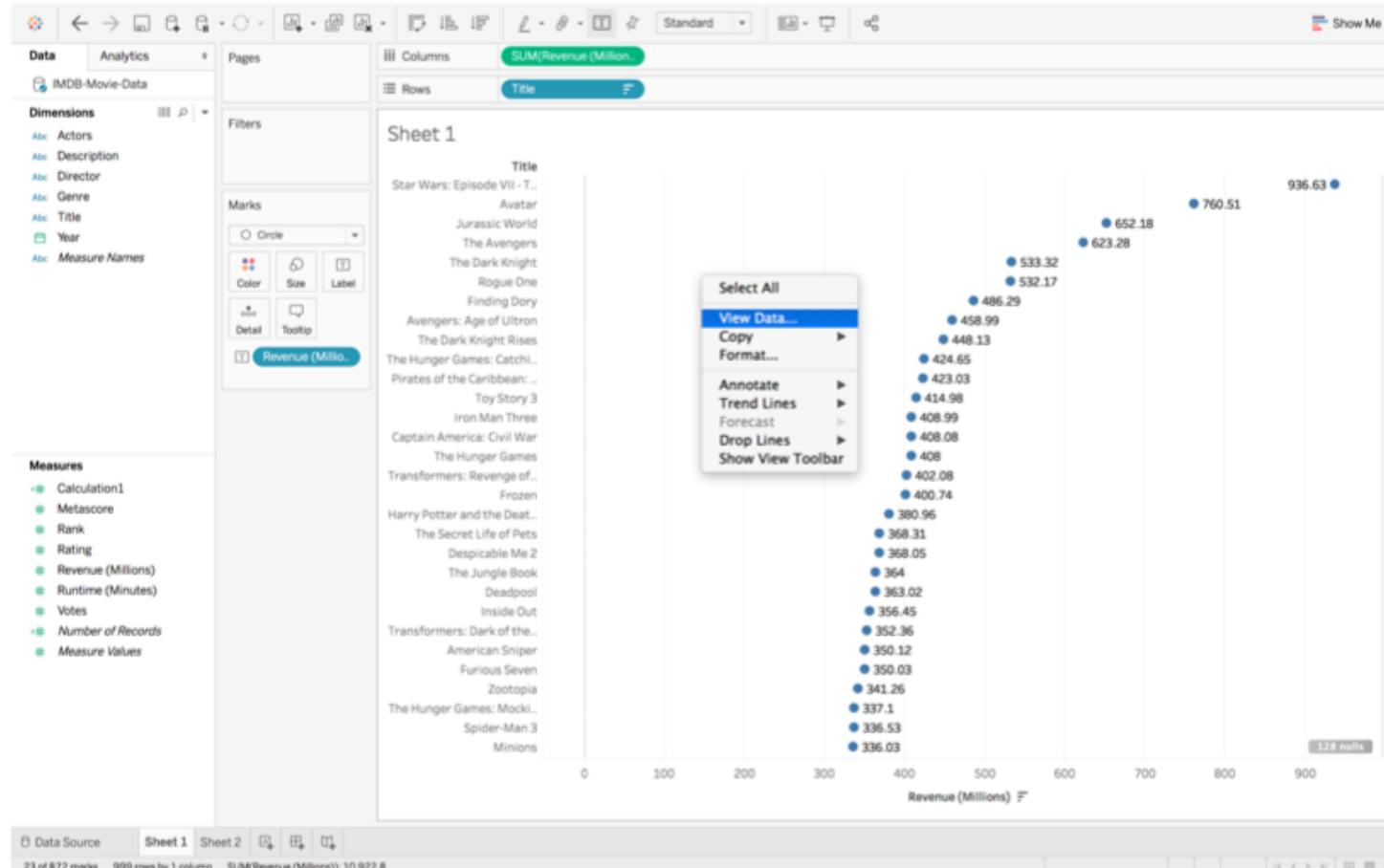
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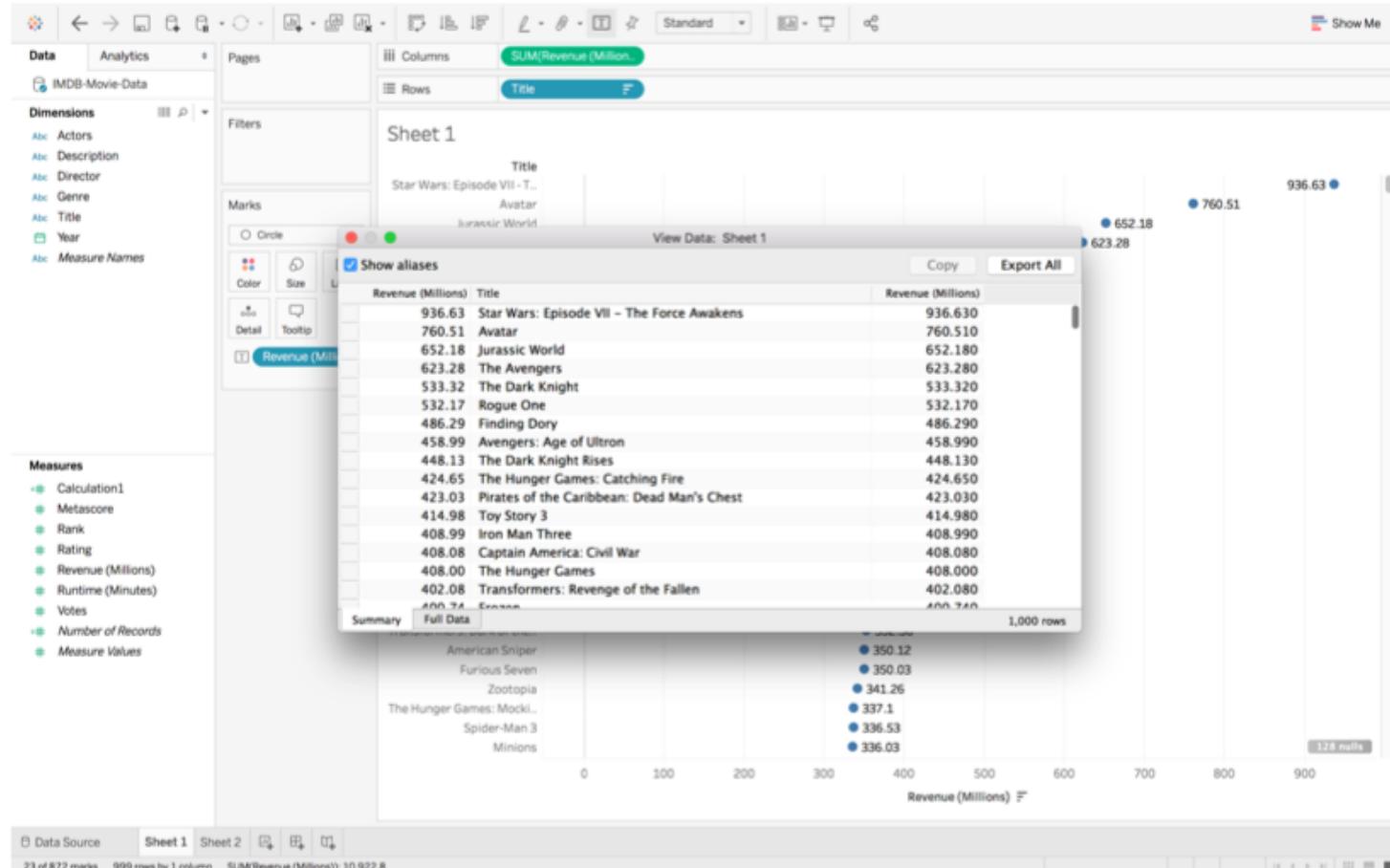
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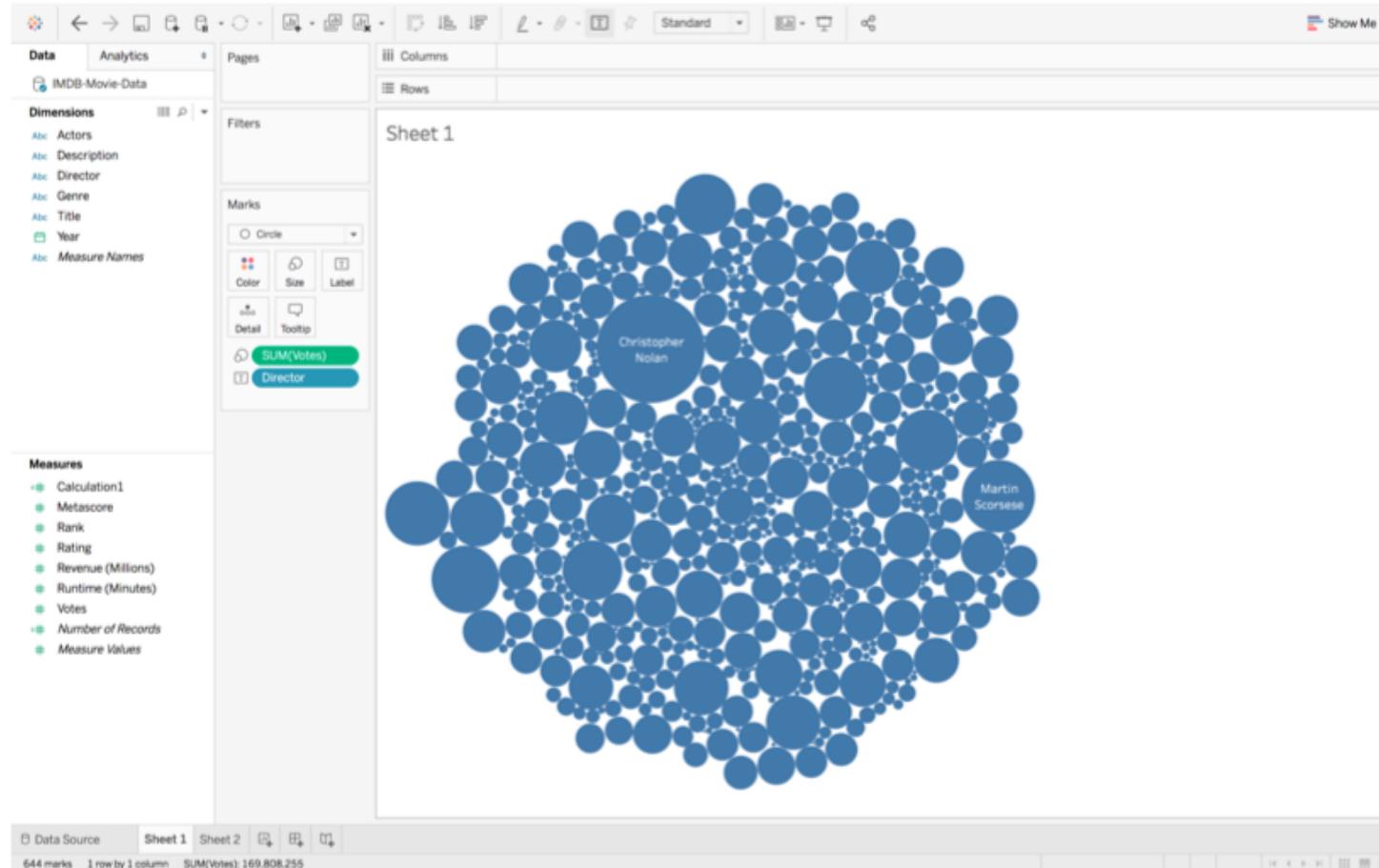
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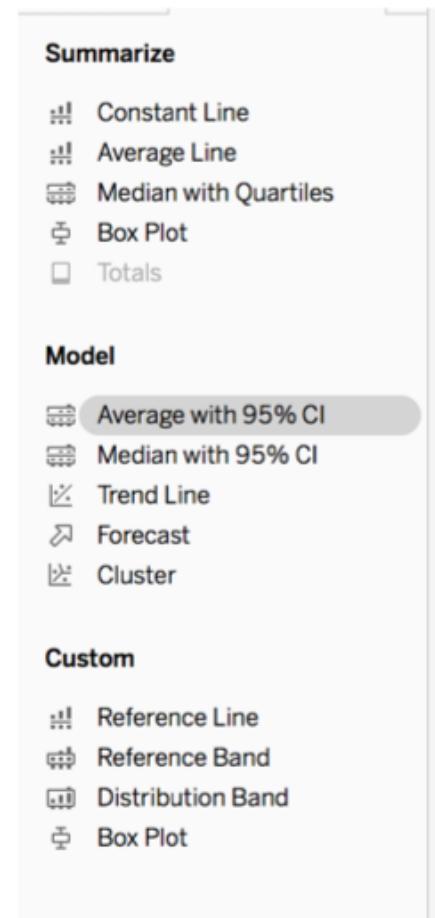
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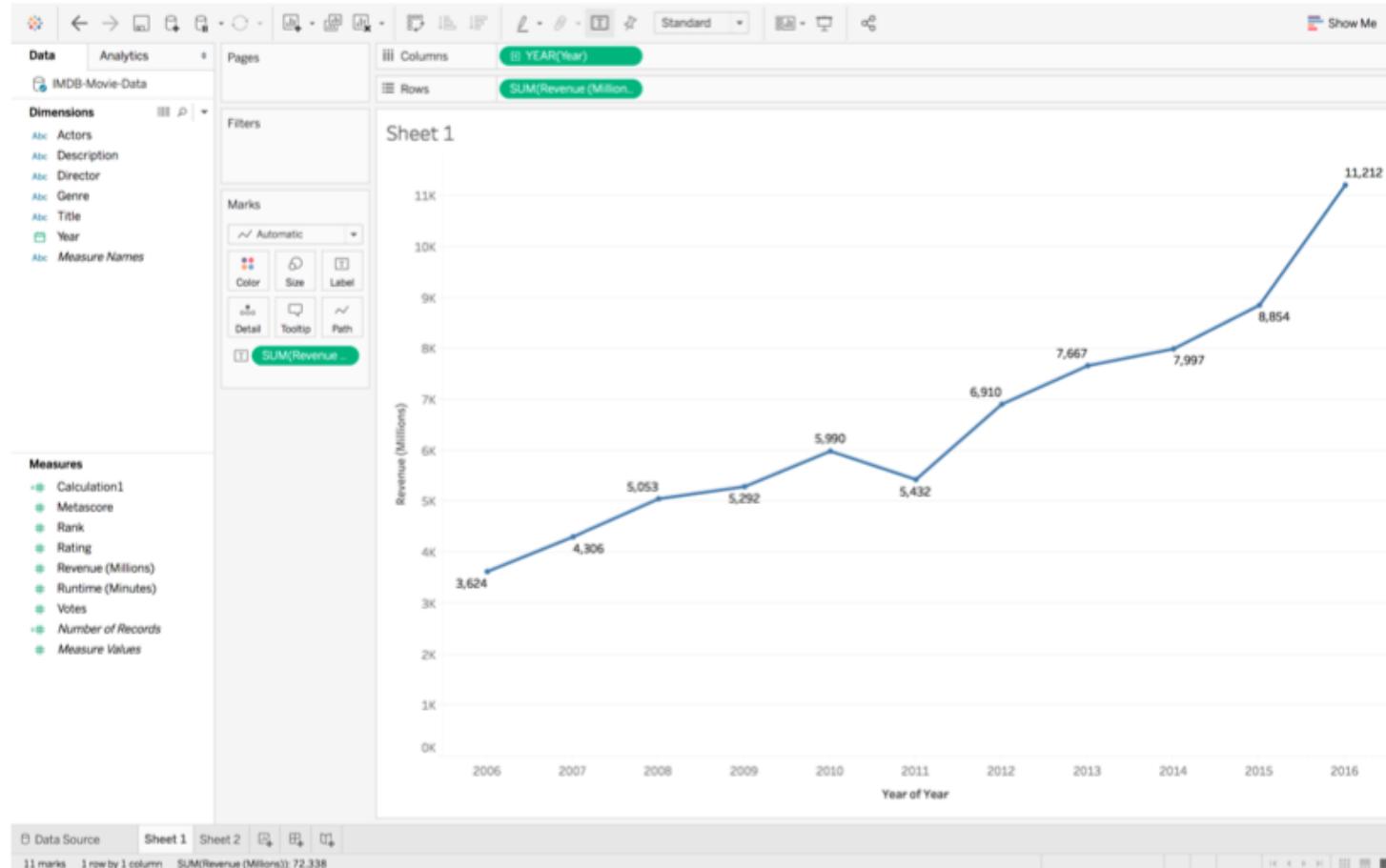
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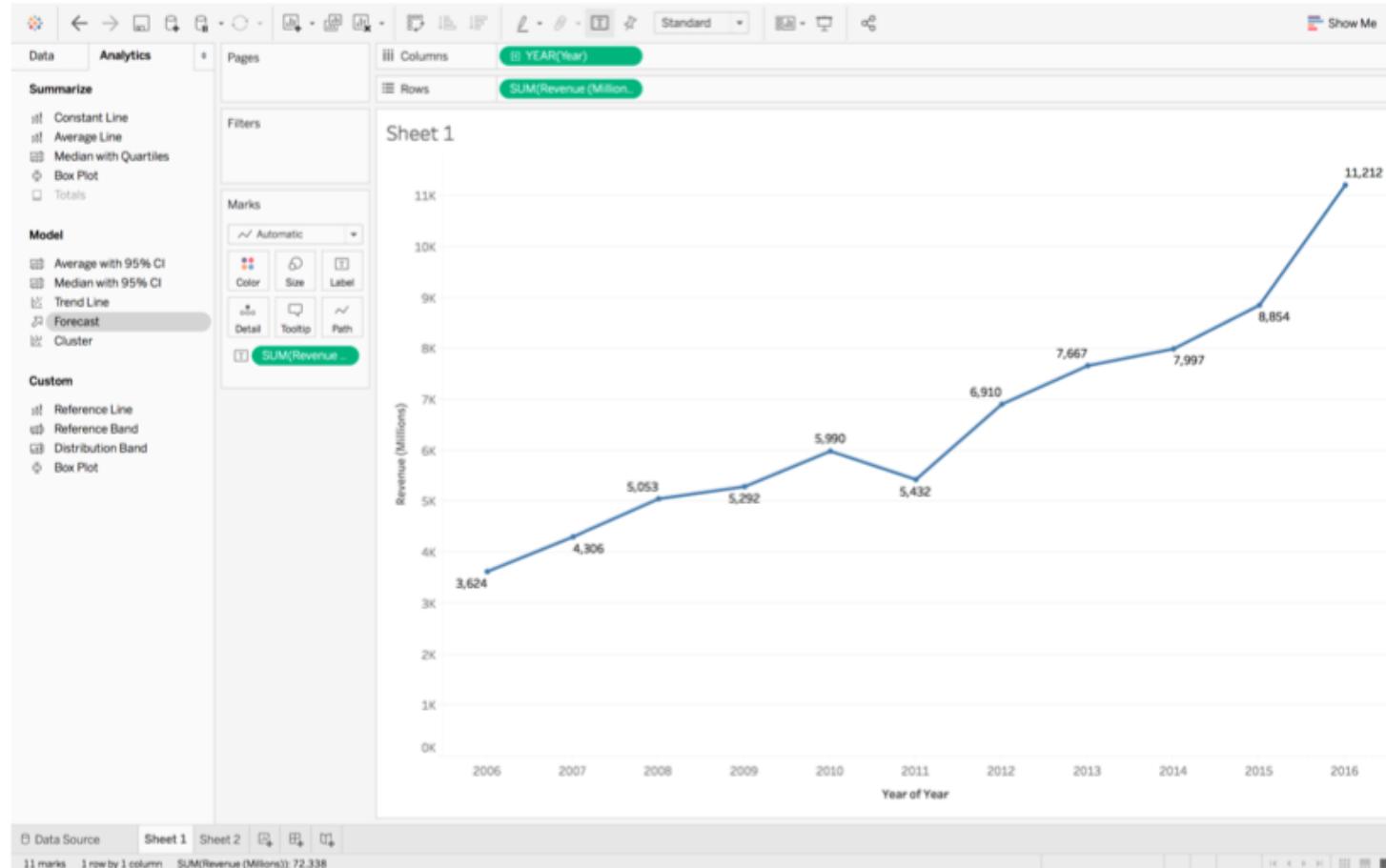
Analytics Features in Tableau



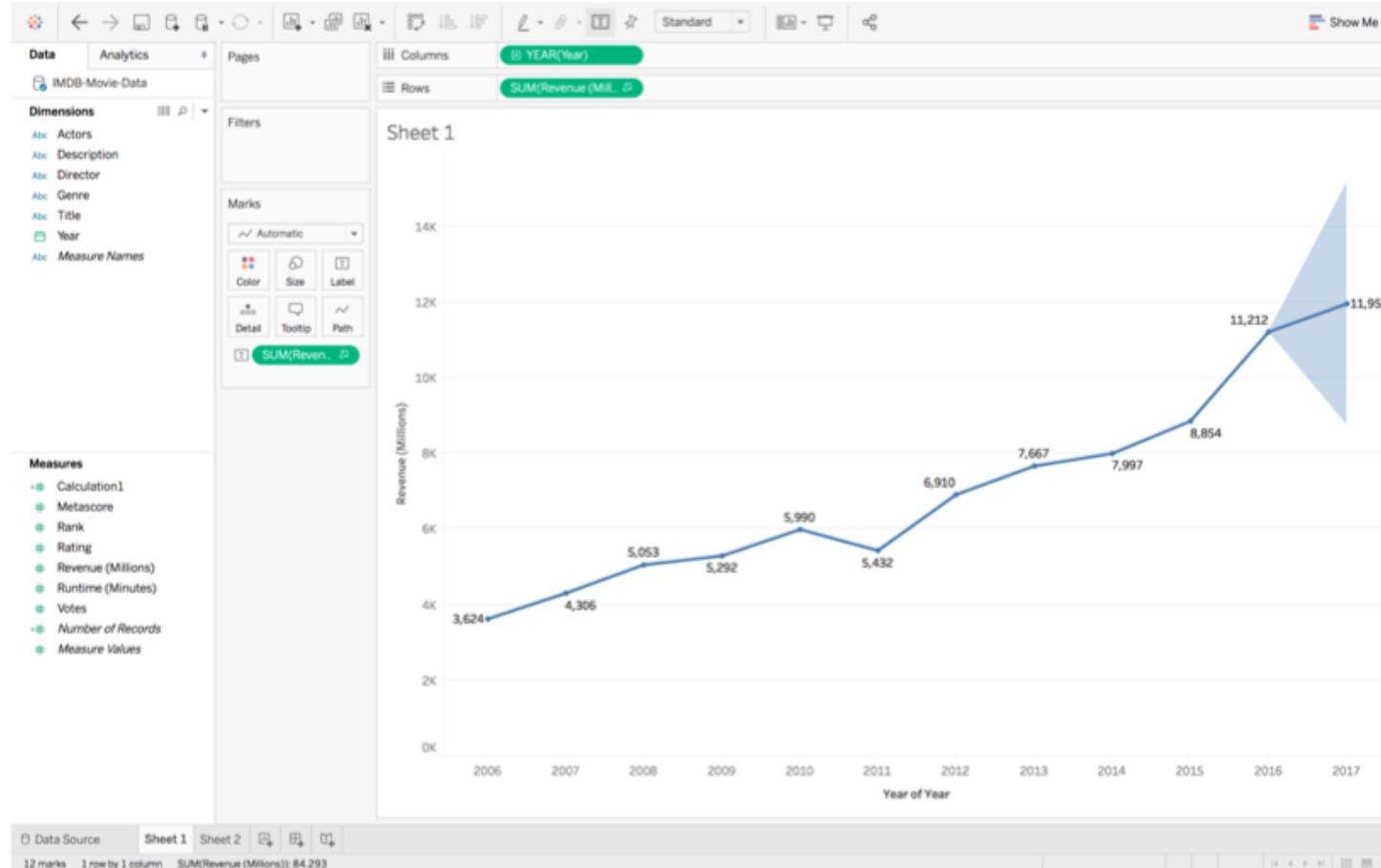
Forecast



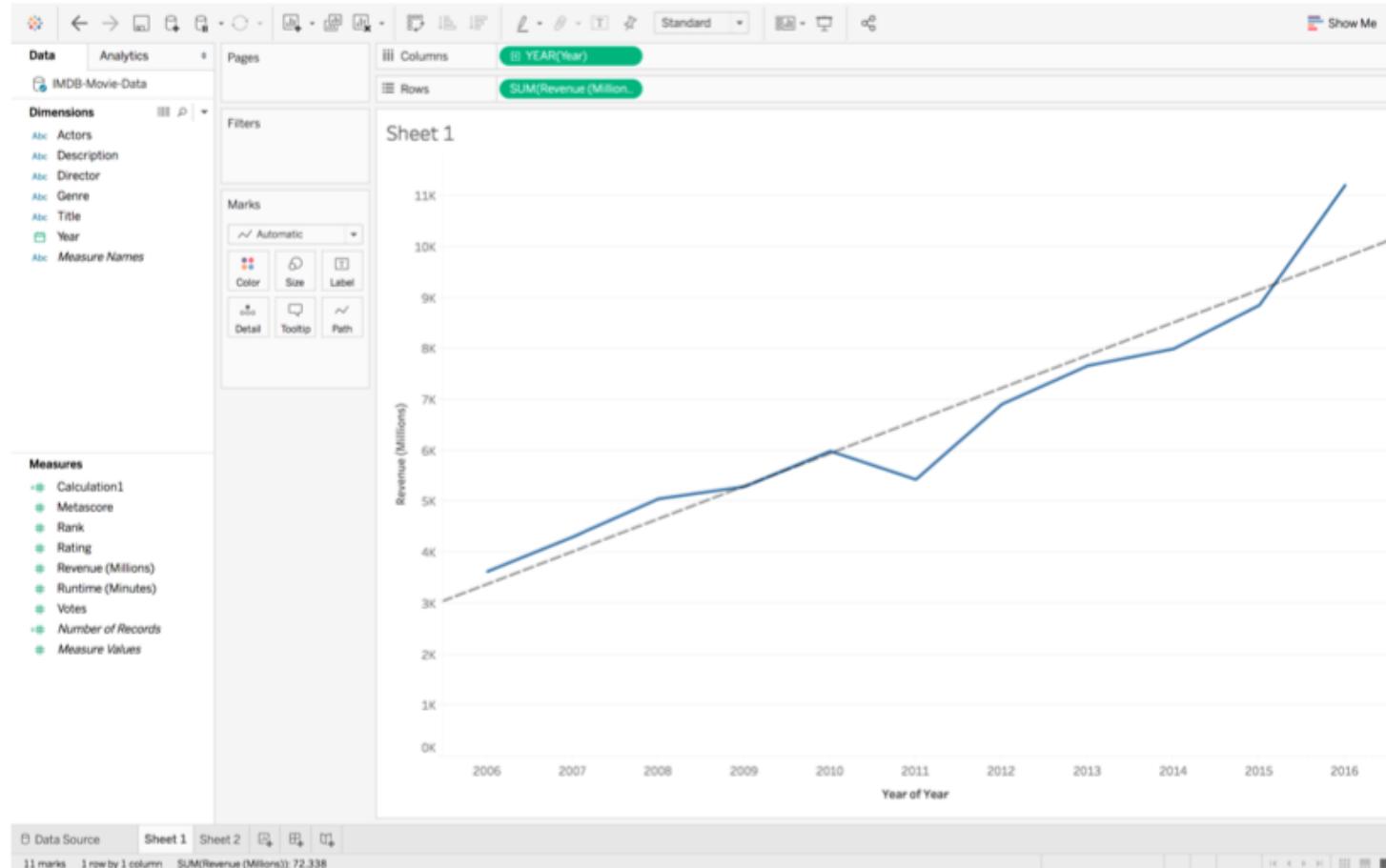
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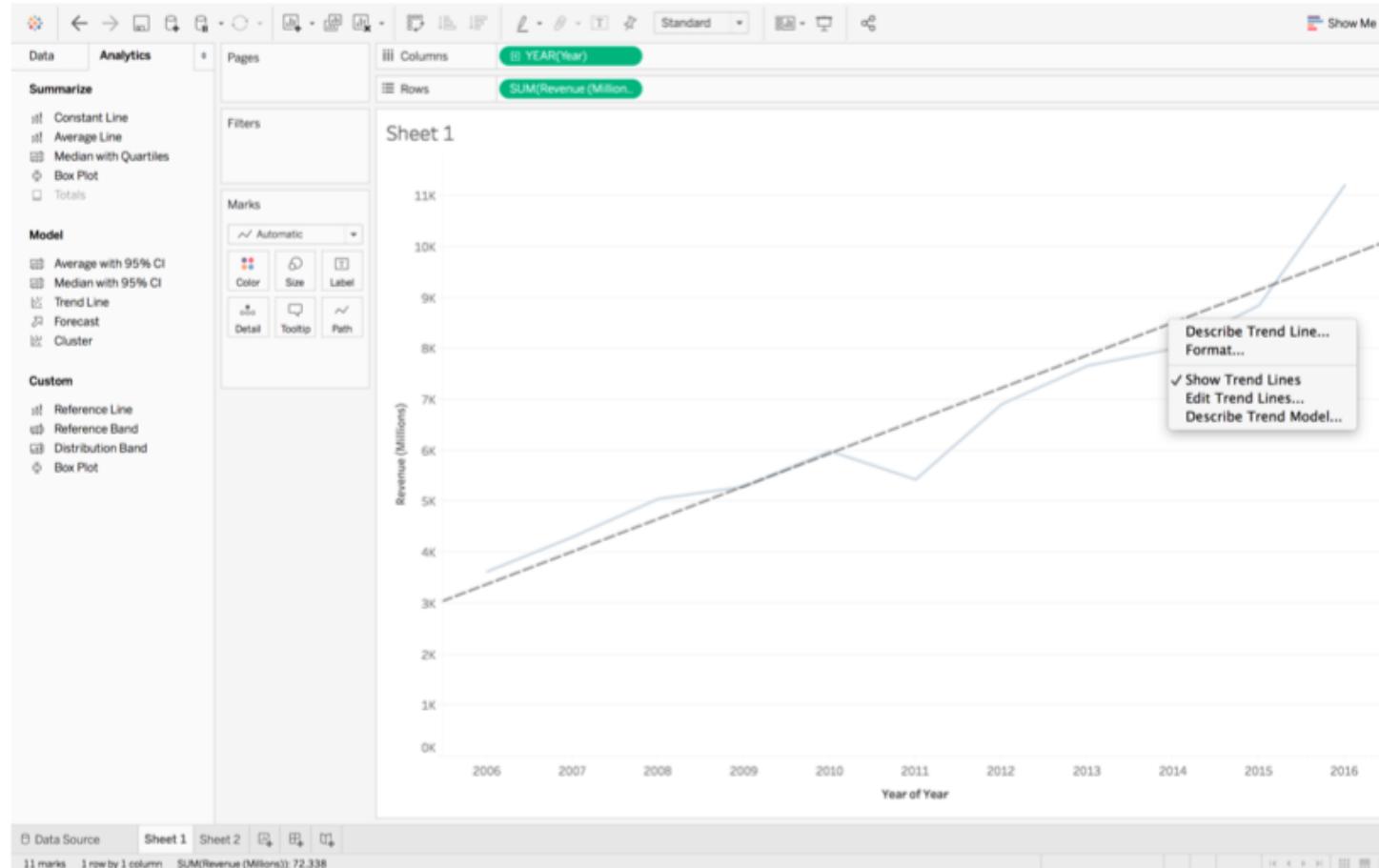
Forecast



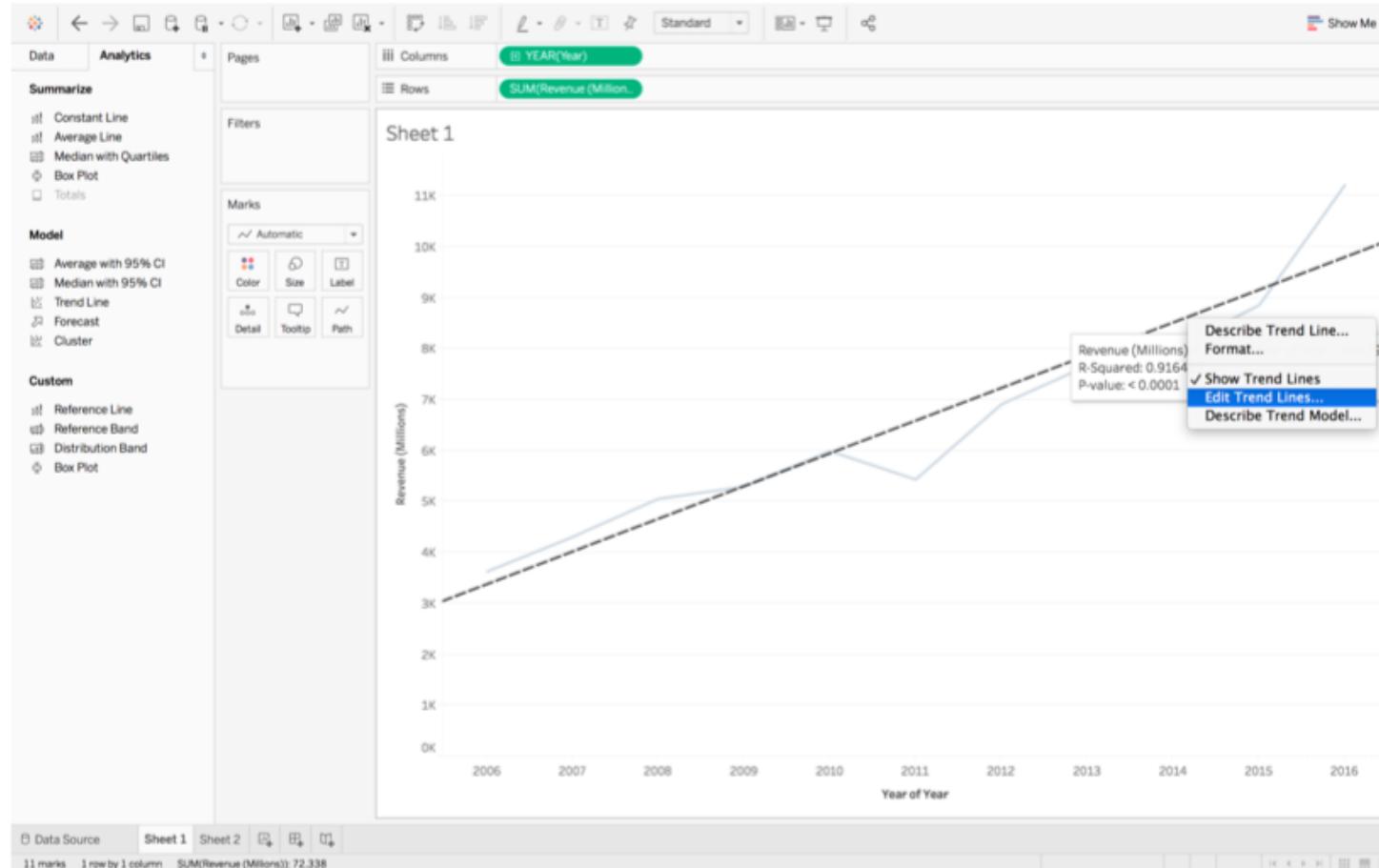
Regression



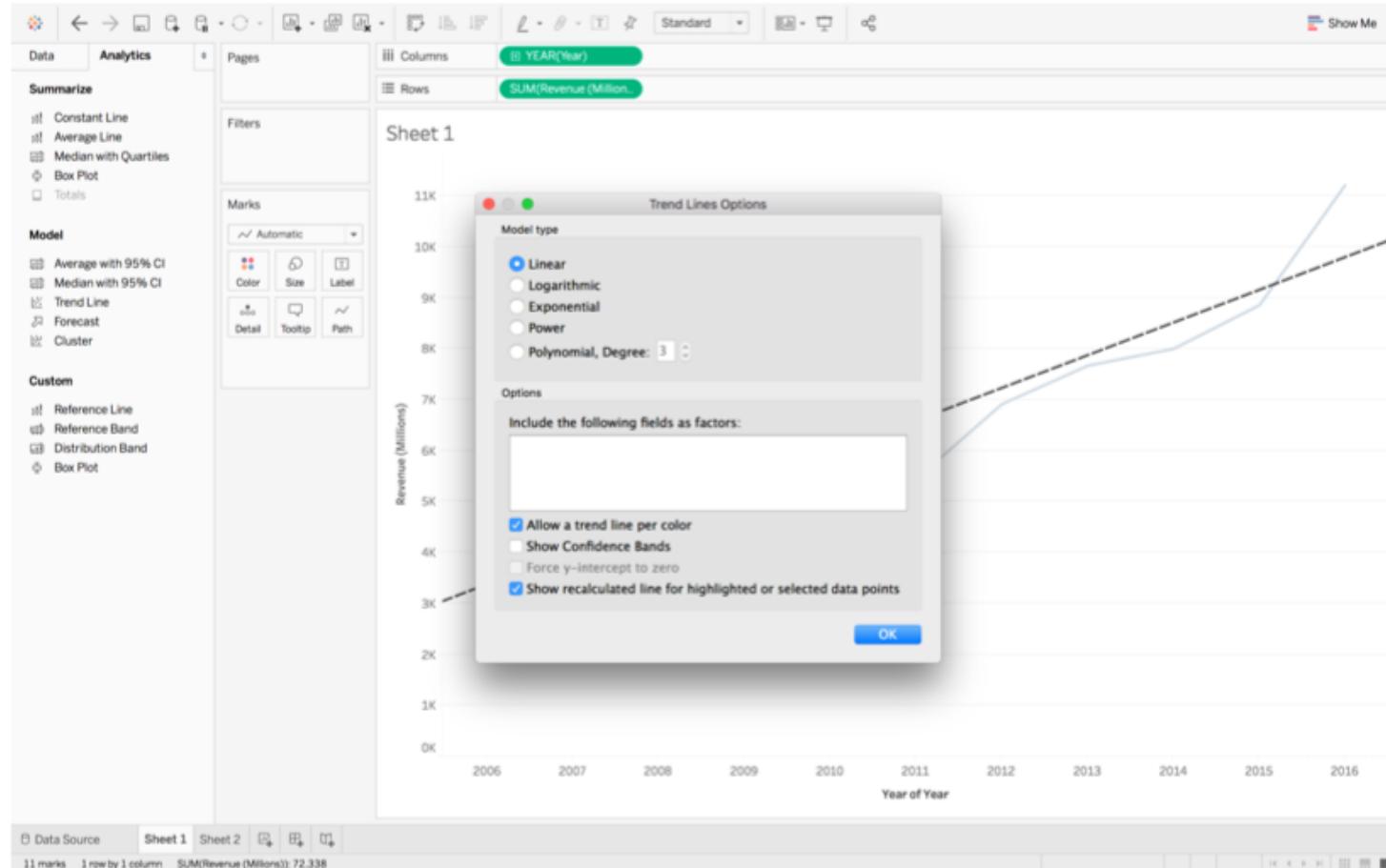
Editing/Fine Tuning the Regression line



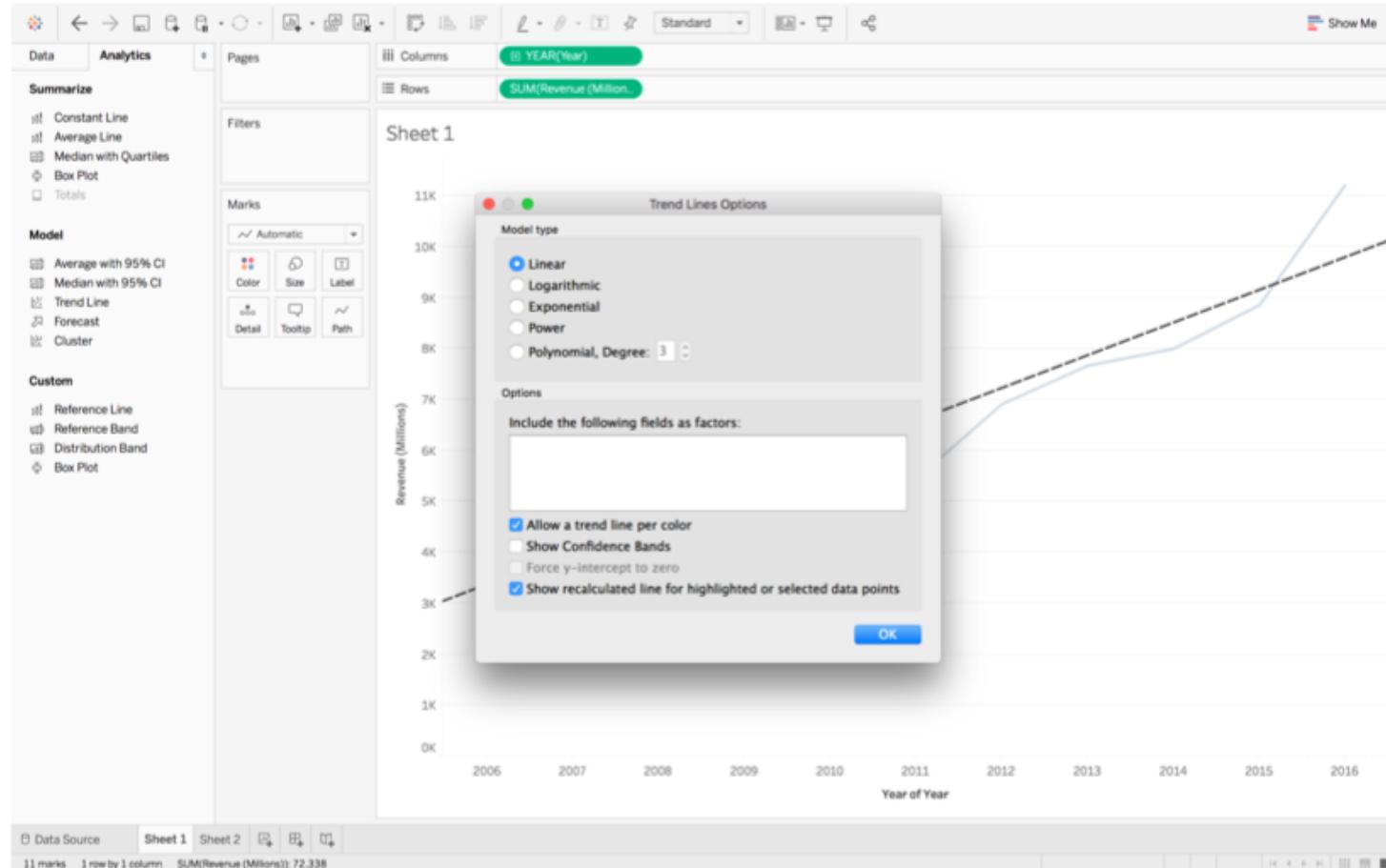
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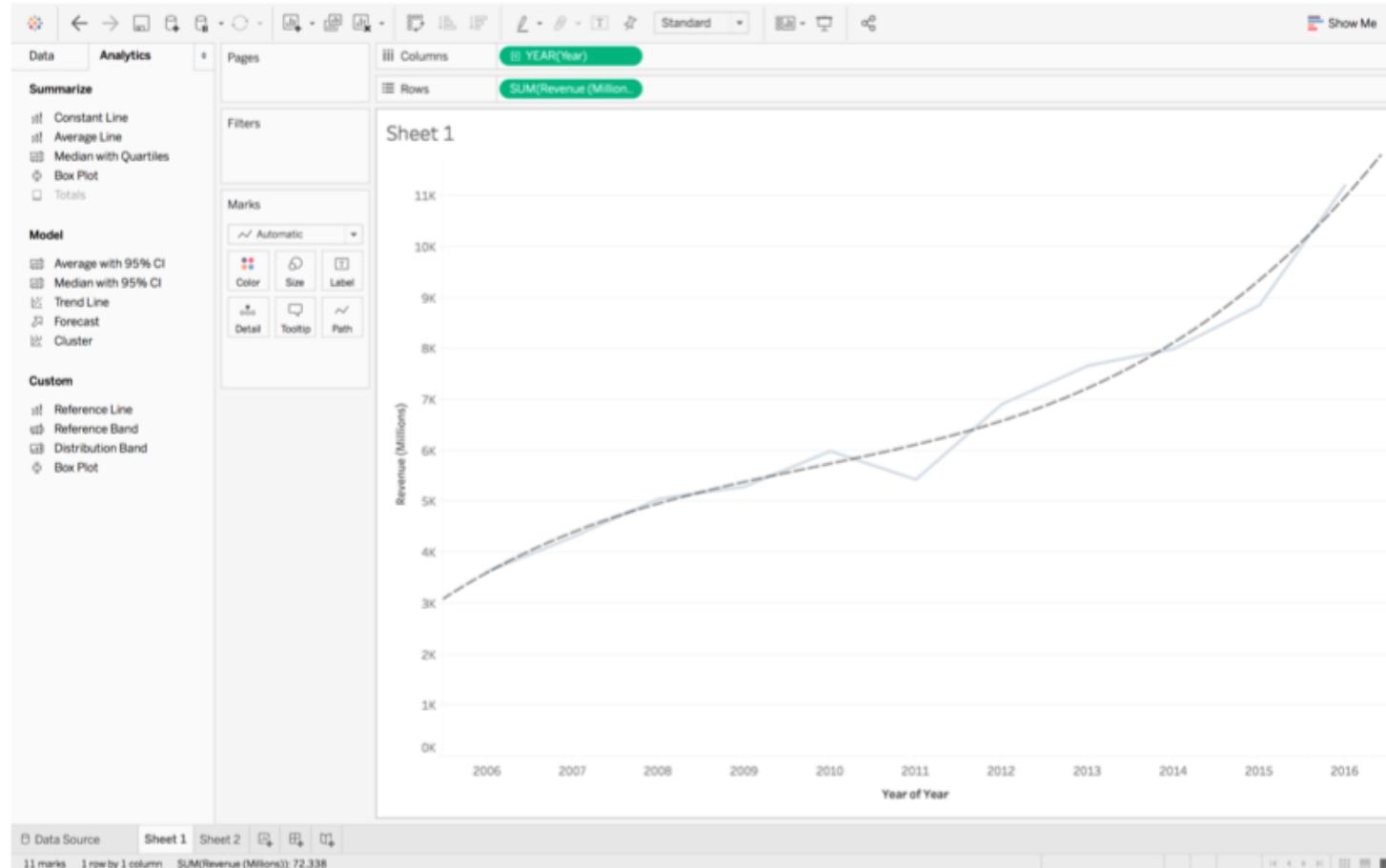
Editing/Fine Tuning the Regression line



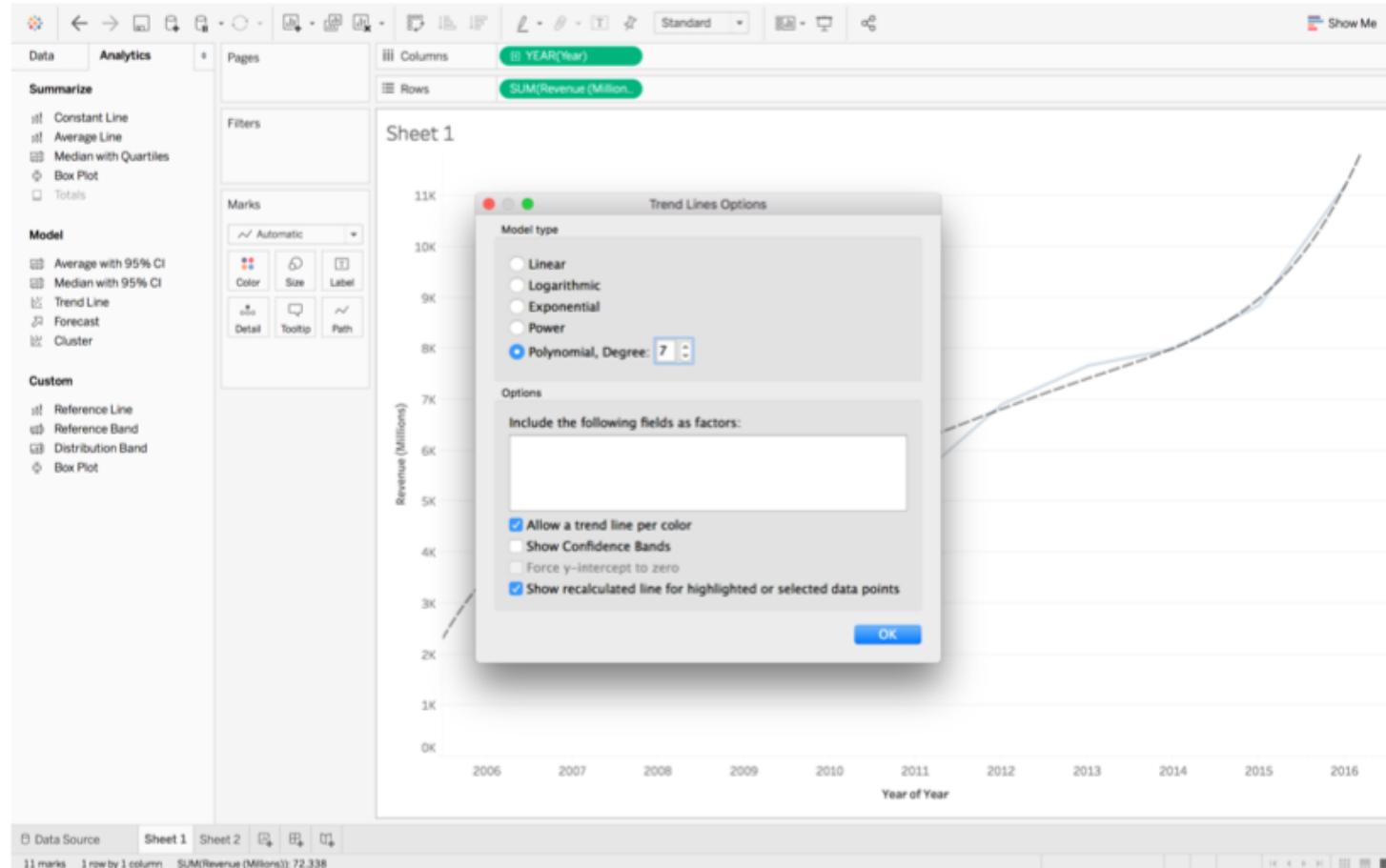
Editing/Fine Tuning the Regression line



Editing/Fine Tuning the Regression line



Editing/Fine Tuning the Regression line



Editing/Fine Tuning the Regression line

