

IMDb Database Explorer

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The dashboard enables user exploration and insight discovery by offering **three plot types** capable of displaying filtered data, options to **customize figure appearance**, and structured data presentation via a **modifiable datatable**.

Search

Plot type:
☐ Scatterplot
☒ Barplot
☐ Histogram

For scatterplots and barplots only:
X-axis:
Genre

For all plot types:
Y-axis:
Gross

Year range: : 1937 .. 1992
Minimum votes: : 904049

Genre(s):
Action
Adventure
Animation
Biography

“Search” card

Users first select plot type, ensuring data is presented in the optimal format for data type, visualization purpose, and audience. Next, they choose which variables to plot on the x- and y-axis, which are auto-populated by plot type for efficiency. Users can then filter the data by release year, minimum number of IMDb votes, and/or genre to gather specific data insights.

Plot

Width: : 750
Height: : 400
Color:
☒ Add border?
X-axis tick font size: : 8
☒ Tilt x-axis ticks?
☐ Show all x-axis ticks?
If NOT showing all x-axis ticks:
Skip every n x-axis ticks:
10

“Plot” card

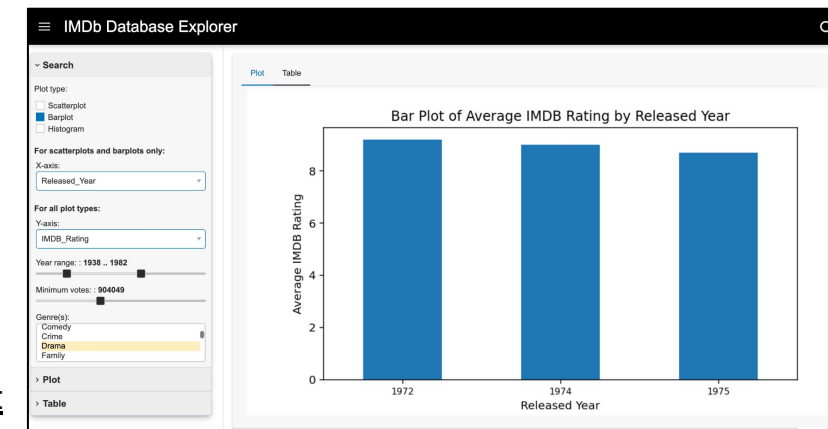
Users can customize plot appearance using width, height, and color widgets. There is a checkbox widget to add a border, which can help make data points clearer. To account for varying amounts of data, users can adjust x-axis tick font size, tilt ticks, and choose to show all ticks or not. If not, users can specify how many tick labels to skip to make data easier to digest.

Table

☒ Include series title?
☒ Include overview?

“Table” card

To view data in a more direct, structured format, users can swap between “Plot” and “Table” tabs to view the data in a table. The table shows x- and y-axis columns (or “frequency” for histograms) as well as series titles and/or overviews, if desired. This facilitates deeper understanding of the data to draw conclusions and insights that reflect trends in the plots.



Screenshots of “Plot” and “Table” tabs of dashboard