

Question: What can we add to this website so it can help users as a “data analytics dashboard” to check and analyze data?

We can add a few metrics including visualizations to the website that can help with data analysis. For example, if we were looking at the movies that were made in a certain country, we could find the average time, or rating to see the trends of movie-making in that region. Through this analytic metric we can make a guess on what type/length movie each country makes. We can do something similar for other features, factoring for directors, release year, cast, etc. Another data analytic metric that could be added to this is a NLP model of the description, which can identify themes of different movies.

Result:

Through this task, I was able to build an interactive flask server which allowed the user to view, change, and download the data. The result of the website was fairly straightforward as the website guides the user to exactly what is needed.

Article Link + Title: [Guiding the choice of learning dashboard visualizations: Linking dashboard design and data visualization concepts](#)

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Data Published: January 30, 2019

Problem/Research Statement: What form of data visualization and analytics is best for visual representations in learning dashboards?

Summary: The Learning Analysis Design (LAD) model helps users and developers understand engagement patterns. LAD's can provide analysis and visualization of data that is outside the scope of current modeling methods. For example, the data can be represented in a tabular format, similar to the netflix dataset, which clearly highlights the relationship of one variable to another.