

Data Science Career Track

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Capstone Two: Project Ideas

Find three datasets of interest and turn those into project idea drafts.

You can also combine two or more datasets to answer a single question.

For your initial project ideas, please:

- Include a short description of each idea. The description should briefly discuss the problem and the data you'll use to solve it. At this point, there's no need to outline specific methods and techniques.
- Post your idea, including the title and

Three Problem Statements

Problem Statement	Brief Description	Data Sources
Stock Prediction	Collecting historic stock price data from different data sources for over decade and predicting stock prices for the companies for next 5 years.	Historic stock price for past decade is available on finance yahoo. https://finance.yahoo.com/quote/MSFT/history https://finance.yahoo.com/quote/AMZN/history?p=AMZN https://finance.yahoo.com/quote/GOOG/history?p=GOOG
Employee Attrition	Attrition is a problem that impacts all businesses, irrespective of geography, industry and size of the company. Employee attrition leads to significant costs for a business, including the cost of business disruption, hiring new staff and training new staff. As such, there is great business interest in understanding the drivers of, and minimizing staff attrition by 25% yoy.	Data source is IBM data from Kaggle. https://www.kaggle.com/pavanubhasht/ibm-hr-analytics-attrition-dataset/download
Customer Retention	For Asset Management companies increase in customer stickiness / longevity will help 30% increase in annual revenue. Hence predicting behaviours to retain customers.	Data source is IBM data from Kaggle. https://www.kaggle.com/adamaus/predicting-churn-for-bank-customers/download