

# Capstone Project Ideas

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Ideas	Brief description	data
1. Predict admission in Health care	Predicting hospital length-of-stay at time of admission <a href="https://towardsdatascience.com/predicting-hospital-length-of-stay-at-time-of-admission-55dfdf69598">https://towardsdatascience.com/predicting-hospital-length-of-stay-at-time-of-admission-55dfdf69598</a>	Data Link: <a href="https://www.kaggle.com/maalona/hospital-triage-and-patient-history-data">https://www.kaggle.com/maalona/hospital-triage-and-patient-history-data</a>
	Predicting Inpatient Length of Stay at Hospitals Using Python + Big Data <a href="https://towardsdatascience.com/predicting-inpatient-length-of-stay-at-hospitals-using-python-big-data-304e79d8c008">https://towardsdatascience.com/predicting-inpatient-length-of-stay-at-hospitals-using-python-big-data-304e79d8c008</a>	Data Link: <a href="https://health.data.ny.gov/Health/Hospital-Inpatient-Discharges-SPARCS-De-Identified/82xm-y6g8">https://health.data.ny.gov/Health/Hospital-Inpatient-Discharges-SPARCS-De-Identified/82xm-y6g8</a>
2. Google Trends Data Portal	Finding out what's trending and what people are searching for?  Google trends data can be used to examine and analyze the data visually. You can also download the dataset into CSV files with a simple click. We can find out what's trending and what people are searching for	Data Link: <a href="#">Google trends datasets</a>
3. Recommender Systems Dataset	Recommending items to buyer based on her/his historical items  This is a portal to a collection of rich datasets that were used in lab research projects at UCSD. It contains various datasets from popular websites like Goodreads book reviews, Amazon product reviews, bartending data, data from social media, etc that are used in building a recommender system.	Data Link: <a href="#">Recommender systems dataset</a> Ex: For Walmart ,... data  <b>Project Idea:</b> Build a product recommendation system like Amazon. A recommendation system can suggest your products, movies, etc. based on your interests and the things you like and have used earlier.  <b>Source Code:</b> <a href="#">Movie Recommendation System Project</a>

4. Mall Customers Dataset	<p>Estimating mall visitor</p> <p>The Mall customer's dataset holds the details about people visiting the mall. The dataset has an age, customer id, gender, annual income, and spending score. It gains insights from the data and divides the customers into different groups based on their behaviors.</p>	Data Link: <a href="#">mall customers dataset</a>
5. Sales Strategy on Online Retail data	<p>Analyzing the customers' orders over time, Does order have any relation to the weather? Which kind of products are liked from different countries?</p>	Dataset: <a href="https://www.kaggle.com/c/instacart-market-basket-analysis/data">https://www.kaggle.com/c/instacart-market-basket-analysis/data</a>
6. The Boston Housing Dataset	<p>This is a popular dataset used in pattern recognition. It contains information about the different houses in Boston based on crime rate, tax, number of rooms, etc. It has 506 rows and 14 different variables in columns. You can use this dataset to predict house prices.</p>	<p><b>Data Link:</b> <a href="#">Boston dataset</a></p> <p><b>Project Idea:</b> Predict the housing prices of a new house using linear regression. Linear regression is used to predict values of unknown input when the data has some linear relationship between input and output variables.</p>