**FOUNDATIONS OF DATA SCIENCE**

**Capstone Project Ideas**

1. **San Francisco Police Department (SFPD) incidents**

Dataset: SF Open Data, <https://data.sfgov.org/Public-Safety/SFPD-Incidents-from-1-January-2003/tmnf-yvry>

Identify the crime prone areas with respect to incident frequency and severity, which can help SFPD to take steps to reduce crime

1. **Walmart sales in stormy weather**

Dataset: Kaggle, <https://www.kaggle.com/c/walmart-recruiting-sales-in-stormy-weather/data>

Predict the sales of weather sensitive products around the time of major weather events at Walmart’s retail locations.

1. **Expedia Hotel Recommendations**

Dataset: Kaggle, <https://www.kaggle.com/c/expedia-hotel-recommendations/data>

Analyze the customer data and provide personalized hotel recommendations to Expedia’s users.