Springboard Data Science Guided Capstone Project Report

By: Bini Teklehaimanot

# Problem statement

What can Big Mountain Resort do to increase revenue by more than $1,540,000 over

the next three ski seasons by leveraging its facilities and adjusting prices where

appropriate?

# Data Wrangling

The data set mostly contains potential numeric features. Resort name, region, and state are the only three categorical features. Since price is the driver of our problem, a decision was necessary to determine whether to use adult week day ticket price or adult weekend tick price. For our resort, both tickets have the same price. Therefore, I used the one with the least missing values as the target feature.

# Exploratory Data Analysis

# Model Preprocessing with feature engineering

# Algorithms used to build the model with evaluation metric

# Winning model and scenario modeling

# Pricing recommendation

# Conclusion

# Future scope of work