Guided Capstone Project Report

1. We looked at all the facilities/features of Big Mountain Resort, it shows the facilities/features of Big Mountain Resort are at a higher end of the distribution. (Figure 1 - Figure 4)

2. We compared the tickets price vs facilities to find out that there are correlations between certain features.

3. Two models were used to predict, linear regression and random forest regression. Random forest regression model shows slightly better results. Yielding a lower cross-validation mean absolute error by almost $1.

4. The model shows that adding a small amount of snow making makes no difference in revenue. Over the season, with the new ticket price, revenue will be $3,474,638
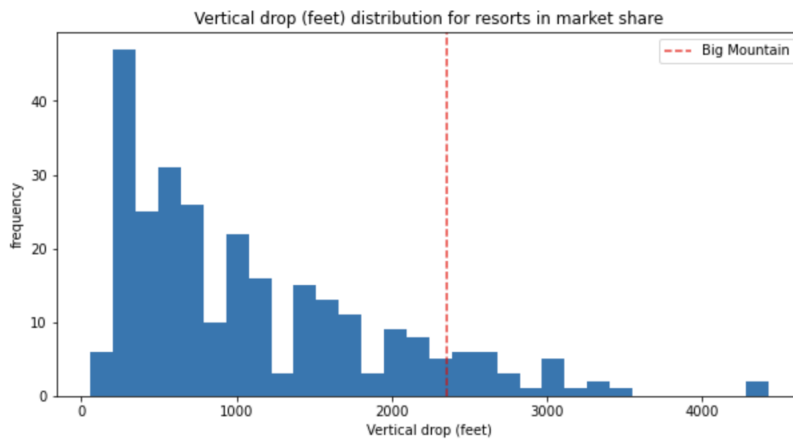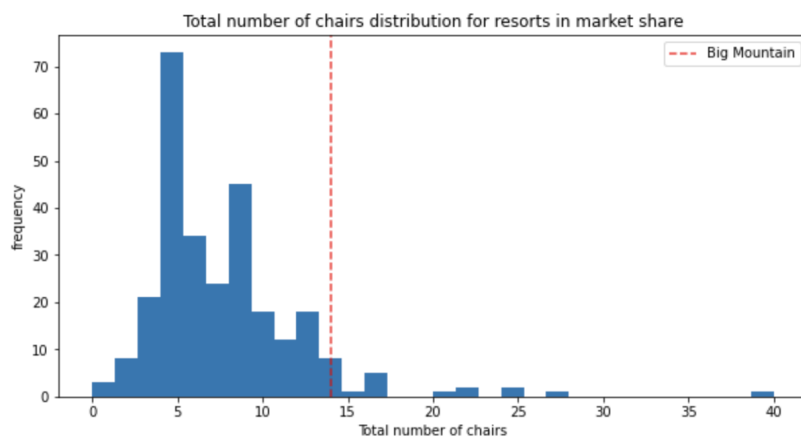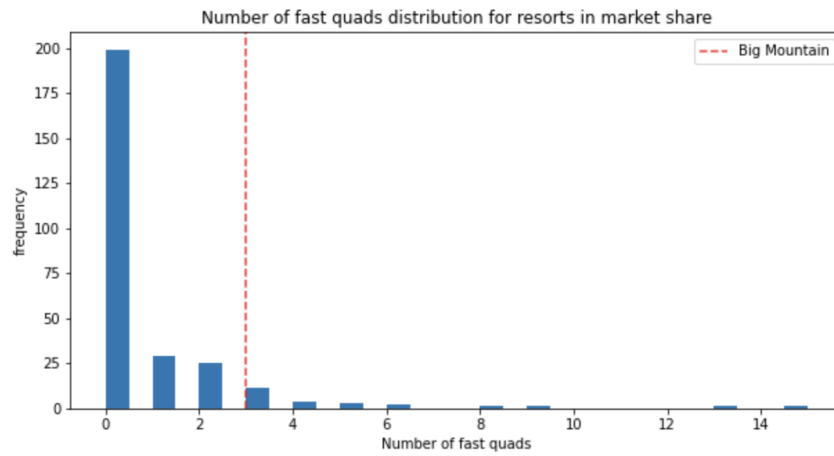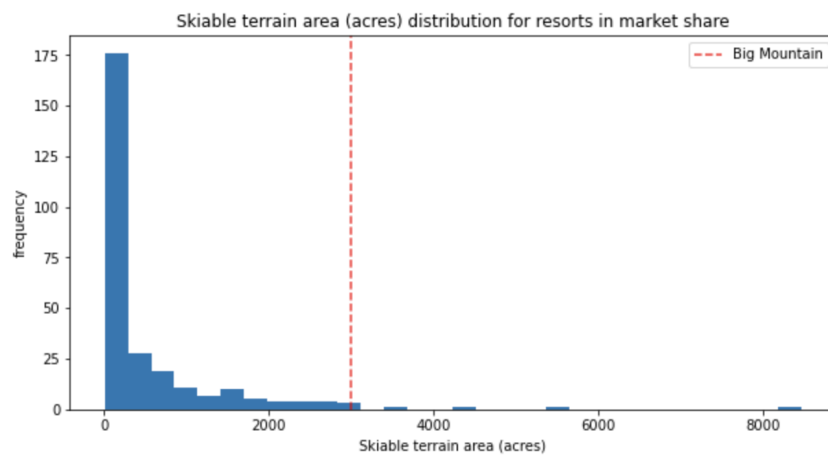

Figure 1

Figure 2

Figure 3

Figure 4