Data Driven Pricing Strategy

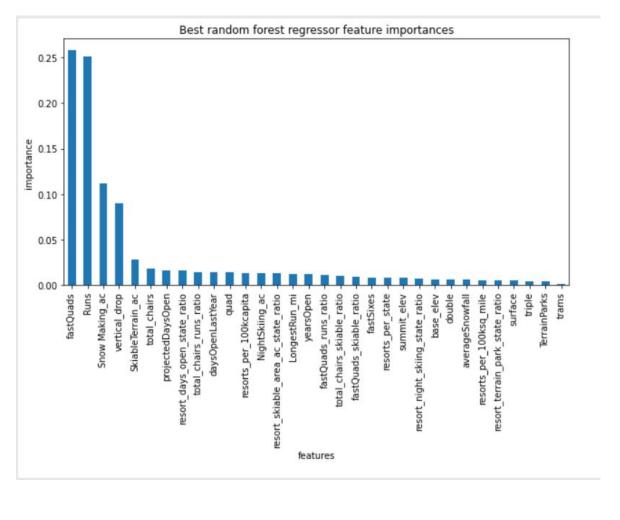
Big Mountain Resort

Problem Identification

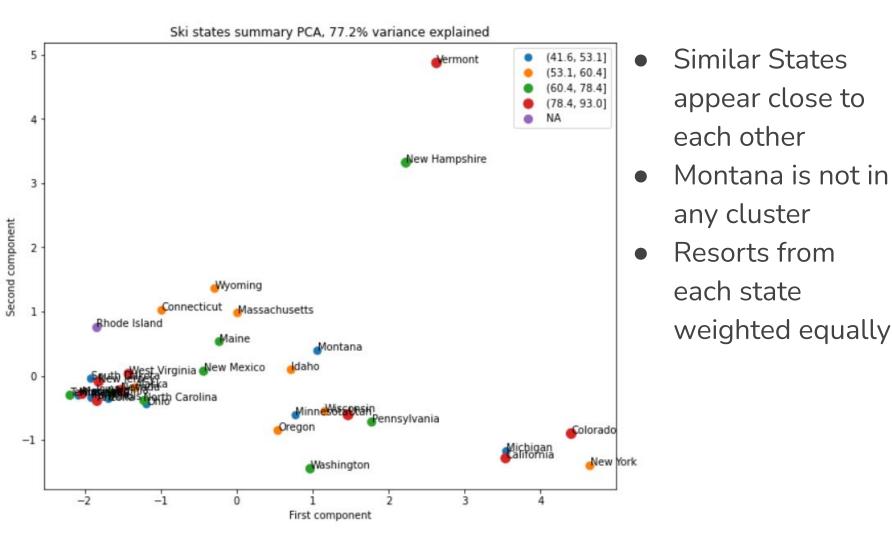
- What is the current value of a Big Mountain Resort ticket?
- Which facilities have the most impact on ticket price?
- Where can we cut costs without undermining ticket price?

Recommendations

- Increase the ticket price to \$94.22
- Close the 5 least used runs
- Proceed with Scenario 2
 - Allows for an ticket price increase of \$1.99
- Don't increase snow making capacity



- Most Important Features
 - Fast Quads
 - Total Runs
 - Snow Making Acres
 - Vertical Drop
- These 4 features
 have a positive
 relationship with
 ticket price.



Final Model

- Random Forest Regressor
- Target Feature: Adult Weekend Ticket Price
- 69 Trees Created
- No Feature Scaling
- Missing values replaced with median
- Mean Average Error: \$10.39
 - 5-fold cross validation

Conclusion

- Tickets are currently under priced and can be safely raised too between \$83.83 and \$104.60.
- Consider moving forward with Scenario 2 if it would cost less than 3.5M per season.
- Big Mountain Resort is already a premium resort.