

Recommendations for the Big Mountain Resort by

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In thoroughly analyzing the data for the resort, it can be found through the model built the best recommendation for how to price the AdultWeekend lift ticket.

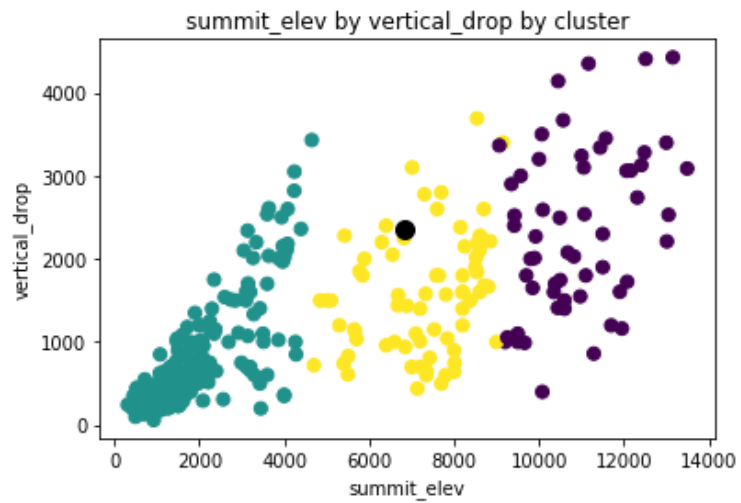
Name	state	summit_elev	vertical_drop	base_elev	trams	fastEight	fastSixes	fastQuads	quad
Big Mountain Resort	Montana	6817	2353	4464	0	0	0	3	2

Skiable Terrain_ac	Snow Making_ac	daysOpen LastYear	YearsOpen	average Snowfall	AdultWeekday	AdultWeekend	projected DaysOpen	NightSkiing_ac	clusters
3000	600	123	72	333	81	81	123	600	2

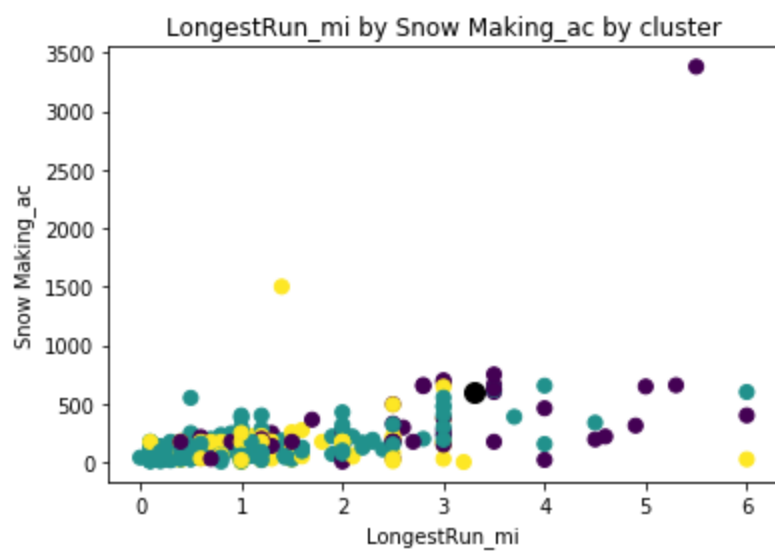
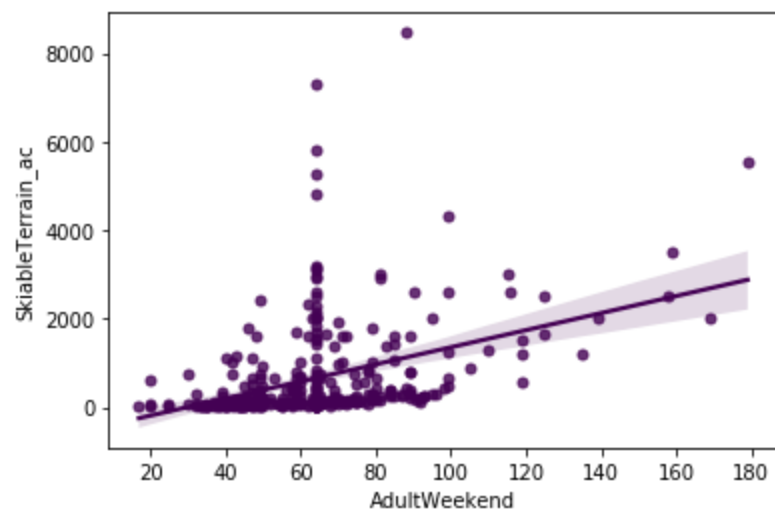
model.predict(BM_scaled)

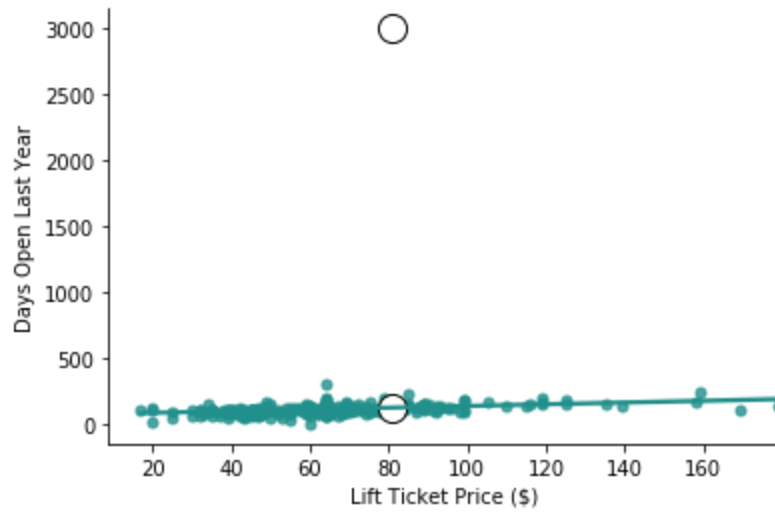
It was predicted that the price should be set at about \$88 after factoring all the unique features from the summit elevation to the Night Skiing Area where the table shows the actual price for the AdultWeekend is \$81.

After looking at the visualization, it can be said that there doesn't need to be that much concern about measuring the features to help in determining the price as they are positively correlated.



These models while there seems to show some positive correlation is ambiguous compared to the visualization above.





Although for here, there appears to be no relationship between the DaysOpenLastYear and the Lift Ticket Price. Management should keep this in mind and understand it's the quality of the days that matter over the quantity.