

Capstone Project Basics

Data cleaning:

Missing values (NAN's) are replaced with mean values as they gave better correlations than medians

Selection of Features

Ratios of the following features are selected for Whitefish Mountain Resort (WFR/ Whitefish) to Other 329 ski resorts in US , because they showed better correlation to Adult Weekend Ticket Price

- a) Vertical drop.....94% WFR advantage over Other resorts in US
- b) Runs. 219%ditto.....
- c) Longest_run in miles.... ...231%ditto.....
- d) Days open last year.7%.ditto.....
- e) Total chairs70%.ditto

Exploratory Data Analysis:

The ratios of Whitefish to other, for the above features were calculated and presented in bar charts

The digital,, graphical analysis and weighted average of facilities and services of Whitefish to Other resorts US inndicate, Adult Weekend ticket price **can be increased by 20%**