

## Whitefish Mountain

**Objective :** Find the business value in Whitefish Mountain (WFM) facilities over it's competitors

1. Exploration: ski\_data.csv : project input file , selected rows and columns required for the business  
request, omitted Big Mountain, as this was renamed as Whitefish mountain in 2007 and stored in ski\_data\_A.csv
  2. Cleaning : File does not have NaN's , Nulls or duplicates
  3. Analysis.: Ratios for ten facilities for each resort to Whitefish Mountain
  4. Visualization -Scatter plots , all turned out to be linear regressions
- The above four steps are performed by the following Jupyter Netbook python scripts

### Python Scripts

WFM\_Whitefish\_Mountain.ipynb

This python script uses ski-data.csv as input, selects resorts in Montana without the Big Mountain, as it was renamed as Whitefish Mountain in 2007

WFM\_@Gets Ratios.ipynb: Gets ratios of resort facility to that of WFM

**The following are the ten ratios with scatter plots all showing linear regressions:**

WFM\_AdultWeekdayTicket\_in\_\$\_ratio\_of\_other\_to\_WFM\_ScatterPlot.ipynb

WFM\_AdultWeekendTicket\_in\_\$\_ratio\_of\_other-to\_WFM\_ScatterPlot.ipynb

WFM\_averageSnowfall\_ratio\_of\_other\_to\_WFM\_ScatterPlot.ipynb

WFM\_Longest\_Run\_In\_Miles\_ratio\_of\_other\_to\_WFM\_Scatterplot.ipynb

WFM\_Runs\_ratio\_of\_other\_to\_WFM\_ScatterPlot.ipynb

WFM\_SkiableTerrain\_ac\_ratio\_of\_other\_to\_WFM\_ScatterPlot.ipynb

WFM\_Snow Making\_ac\_ratio\_of\_other\_to\_WFM\_ScatterPlot.ipynb

WFM\_TerrainParks\_ratio\_of\_other\_to\_WFM\_Scatterplot.ipynb

WFM\_total\_chairs\_ratio\_of\_other\_to\_WFM\_ScatterPlot.ipynb

WFM\_triple\_ratio\_of\_other\_to\_WFM\_ScatterPlot.ipynb

