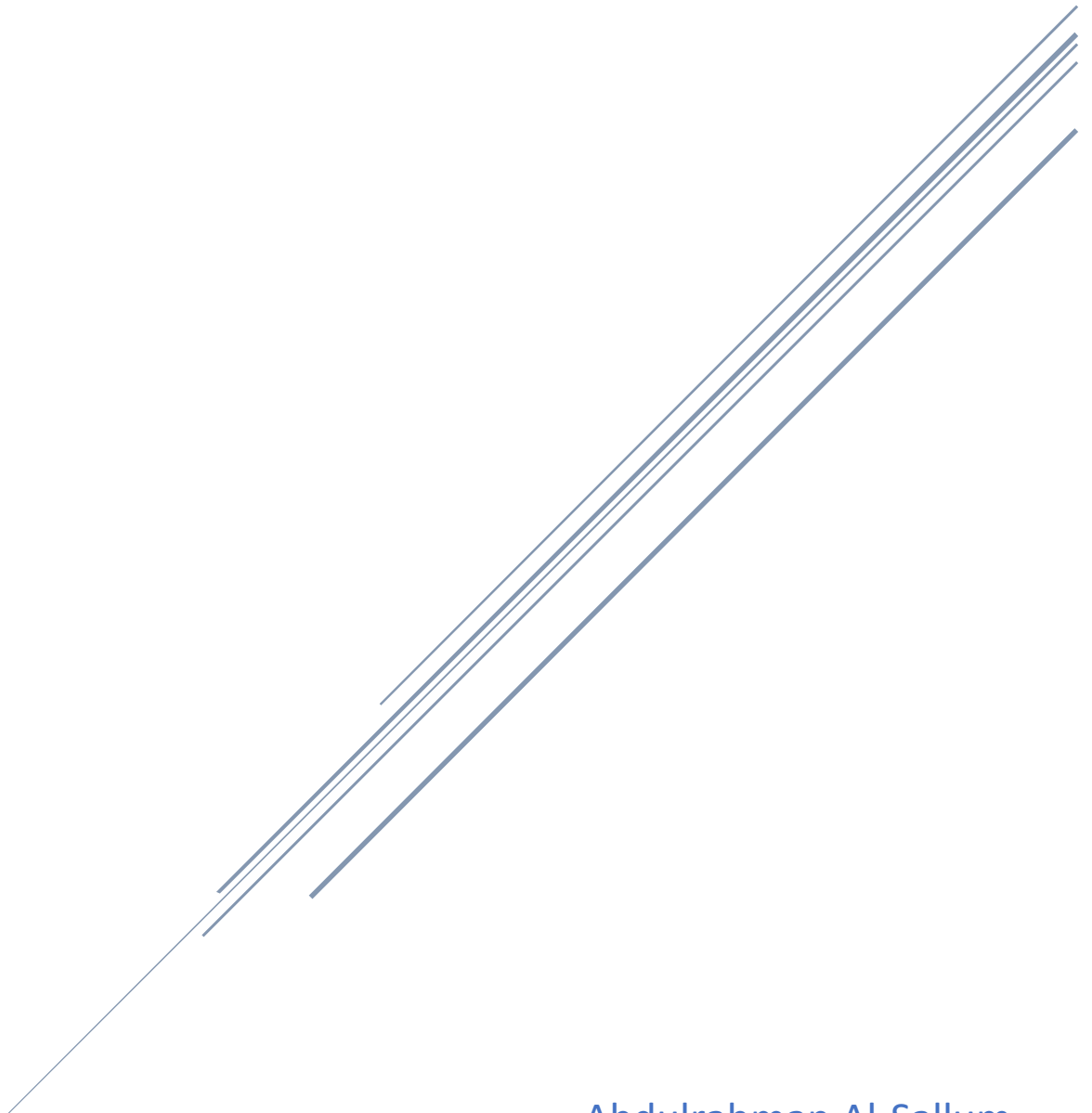# PROJECT PROPSAL

## Big Mart Sales Data

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The question for this project proposal is very basic:

- **How can EDA and Machine Learning help store and shop owners?**

  The Data that I will be using for this is already uploaded in the GitHub [(Kaggle)](), Will talk about few features here with the full questions and detailed EDA in the MVP submission.
  The Data is for Big Mart for 1 year, it has around 8500 rows and 12 columns.
  It shows the sales for the year 2013 for different branches.

  The Data has 12 columns, some are:
  1- Item Weight
  2- Item Visibility
  3- Item Type
  4- Outlet Establishment year
  5- Item Outlet sales (Targeted Feature)
  6- Item Fat content (Low, Regular)

## EDA:

Just from these 6 features we can formulate many questions:

- How does Item Weight and visibility effect the sales?
- Does Certain stores sell (as Percentages) more low-fat products than other stores? If yes then that might indicate the customers or the residents for this store area are more healthy than others and the Big-Mart should support this by offering more healthy options.
- Does the year the outlet was established effect the sales? assuming the same size
- What items are most sold different branches?

And many other questions that will be detailed in the MVP.

## ML:

- Will be using ML algorithms to predict the sales of certain branches.

**Initially the MVP will focus on exploring and cleaning the data.**