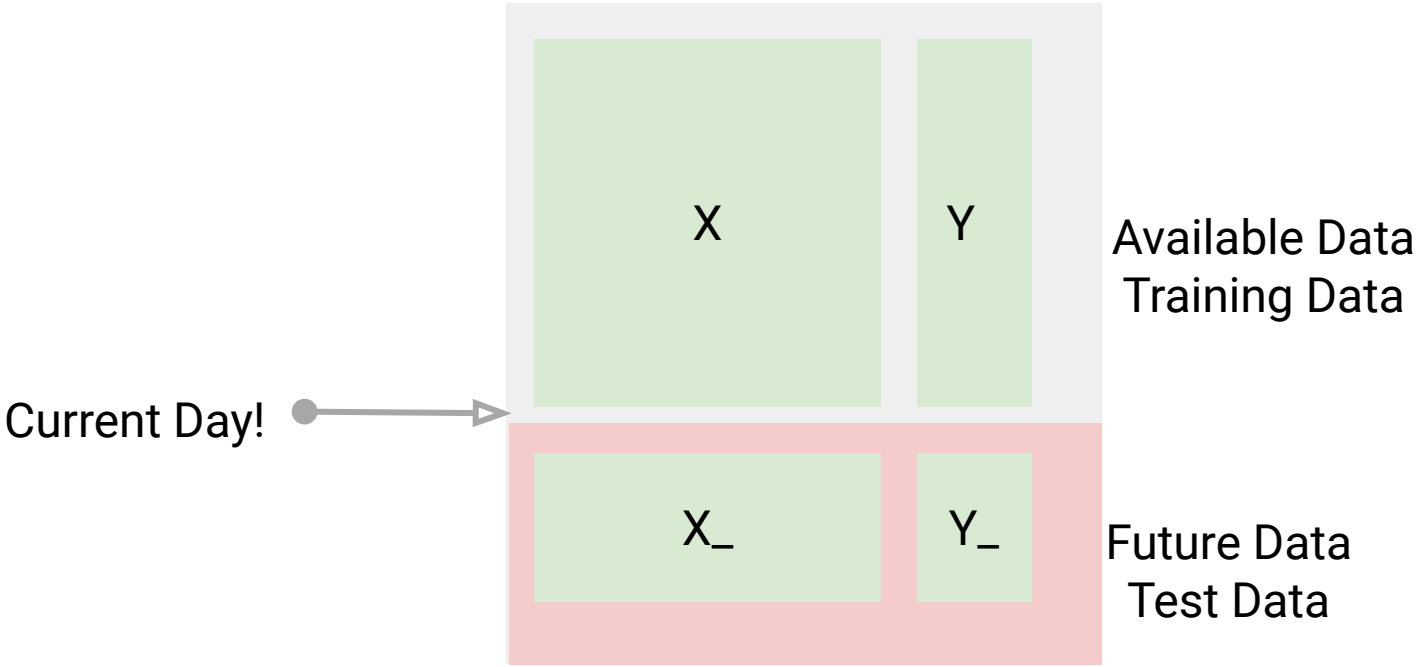
Building First Predictive Model

Creating the Dataset



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Problem Types

Problem Types

Regression

Classification

Problem Types

Regression

Big Mart Sales

Classification

Titanic

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Big Mart Sales

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Big Mart Sales

To build a predictive model and find out the sales of each product at a particular store

Big Mart Sales

Variable	Description
Item_Identifier	Unique product ID
Item_Weight	Weight of product
Item_Fat_Content	Whether the product is low fat or not
Item_Visibility	The % of total display area of all products in a store allocated to the particular product
Item_Type	The category to which the product belongs
Item_MRP	Maximum Retail Price (list price) of the product
Outlet_Identifier	Unique store ID
Outlet_Establishment_Year	The year in which store was established
Outlet_Size	The size of the store in terms of ground area covered
Outlet_Location_Type	The type of city in which the store is located
Outlet_Type	Whether the outlet is just a grocery store or some sort of supermarket
Item_Outlet_Sales	Sales of the product in the particular store. This is the outcome variable to be predicted.

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Big Mart : First Predictive Model

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1. Mean

Big Mart : First Predictive Model

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Outlet_Identifier
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Outlet_Type

1. Mean
2. Mean Respect to another Variable

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Big Mart : First Predictive Model

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Outlet_Size
Outlet_Location_Type
Outlet_Type

1. Mean
2. Mean Respect to another Variable
3. Mean With Respect to two other variables

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Big Mart : First Predictive Model

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Outlet_Establishment_Year
Outlet_Size
Outlet_Location_Type
Outlet_Type

1. Mean
2. Mean Respect to another Variable
3. Mean With Respect to two other variables

...or even more variables

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Big Mart : Evaluation

Big Mart : Evaluation

Mean Absolute Error: Sum of absolute difference between every observation, divided by the number of observations

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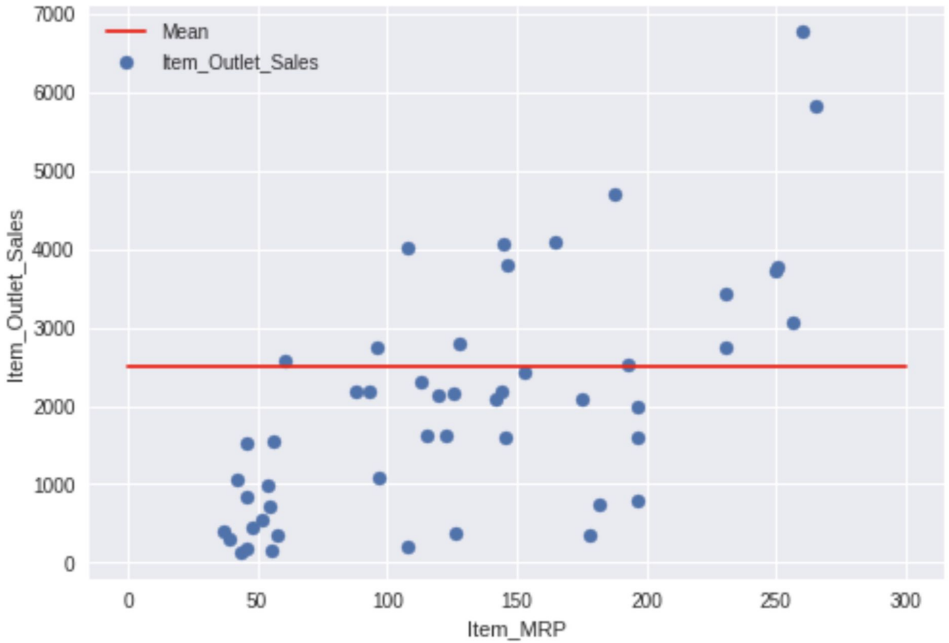

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