BigMart sale prediction

For machine learning

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Our team member

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Truong



Duy



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... Purpose . . . **Predictions** impact business outcomes Role Help the mart to understand the properties of products Data analysis and stores skills Enhance your machine learning and data analysis skills.

Input and output

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Input

The data scientists at BigMart have collected 2013 sales data for 1559 products across 10 stores in different cities









Output

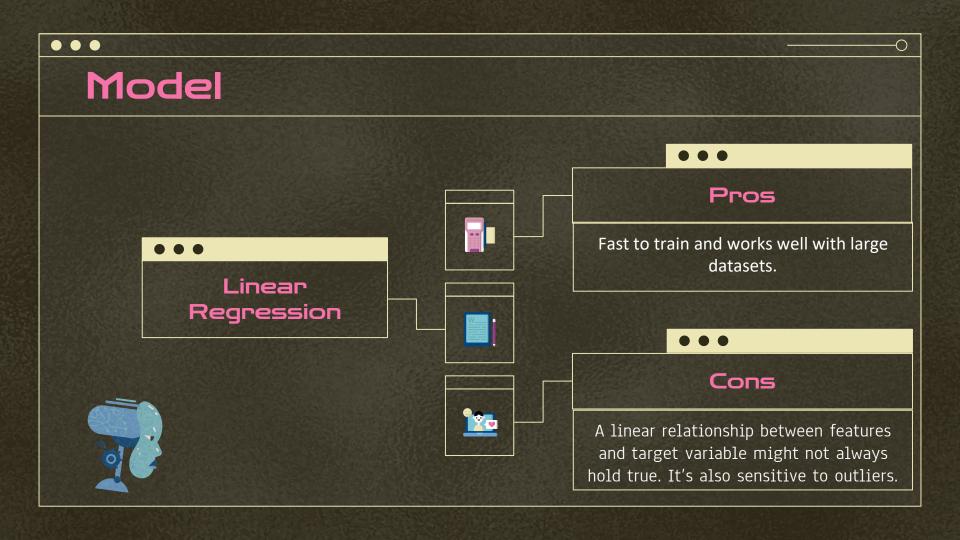
BigMart will try to understand the properties of products and outlets which play a key role in increasing sales.

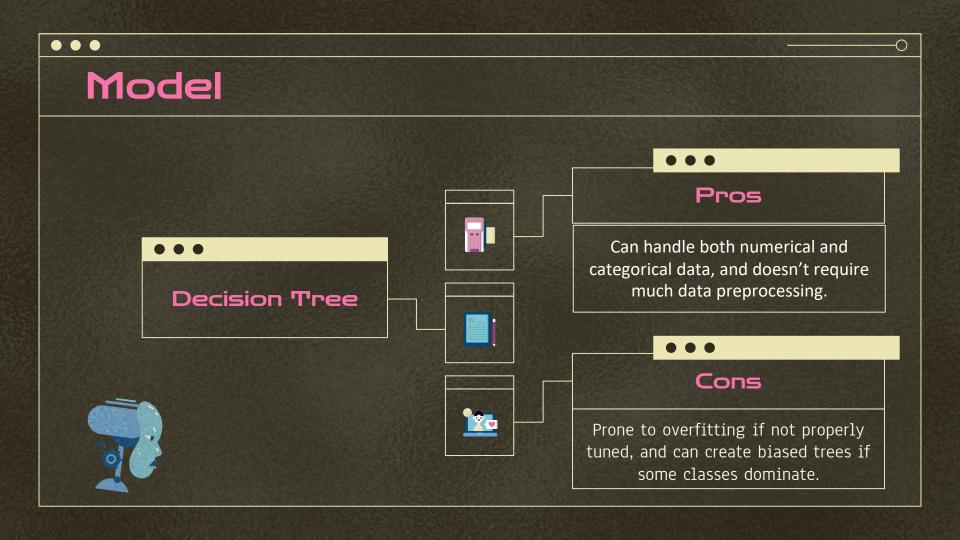
Dataset

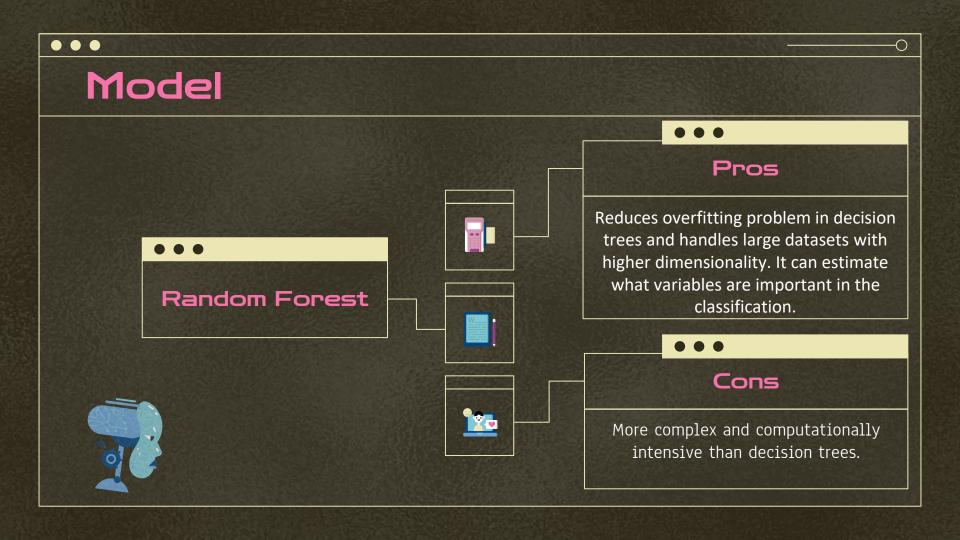
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Collected from Kaggle, there is 11 classes with different train and test size

Variables	Descripions	
Item_Identifier	Unique product ID	
ltem_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 produ	
Item_Type	The category to which the product belongs	
Item_MRP	Maximum Retail Price (MRP) of the product	
Outlet_Identifier	Unique store ID	
Outlet_Establishment_Year	The year in which store was establiished	
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	







Project Plan

Task	Assignment	Day
Choose Topic	All members	10-11/10
Determine the required variables	All members	12-13/10
Collect data	Duy, Truong	16-21/10
Filter the data	Truong, Phuong	22/10
Determine the algorithm to use	All members	23-24/10
Conduct assessment test	Duy, Phuong	25/10
Algorithm construction	Truong, Phuong	27/10-5/11
Code design	Duy, Truong	5-23/11
Test and fix bug 1	All members	24-25/11
Report	Duy, Phuong	25-30/11
General test	All members	6-7/12
Test and fix bug 2 (if have)	Individual	8-9/12



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THANKS FOR WATCHING

GROUP 5



