

# STRATHMORE DATATHON CHALLENGE

## PROBLEM STATEMENT

Bundas is a supermarket that has stores all over the country. Bundas has collected sales data for over 1000 products across its stores. **Bundas has hired you as a data scientist to build a predictive model to find out the sales of each product at a particular store.**

Bundas plans on using this model to understand the properties of products and stores that play a paramount role in increasing sales.

### **Data**

The data consists of the train and test dataset. The train dataset has both the Predictor and Target variables. Use this to train your model. Predict the sales for Bundas Supermarket on the test dataset.

Variable	Description
Item_ID	Unique Product ID
Weight	Weight of the item/product
FatContent	Describes if product is low fat or not
Visibility	Percentage of the total display area of all the items in a store allocated to a certain item.
Category	Category the item belongs to
Max_Price	Maximum list price of the item
Store_ID	Unique store ID
Store_Establishment_Year	Year the store was established

Store_Size	Ground area covered by the outlet/Store
Store Location Type	Type of City store is located
Store_Type	Either Grocery Store or Supermarket
Item_Store Sales	Sales of the item in a certain Store. This is the Target Variable

**Inspirational Quote :**

'Hizi Bundas Zinanisumbua' ~ Chris Kaiga