**Report of Feature Engineering**

* **Abhinash Bhagat**

# Dropping the columns

* Dropped the geographical columns
  + State
  + Market Name
  + Local Government
* Dropped the unitary columns
  + USD Price
  + Currency
  + Priceflag
  + Unit (The data here represents different physical quantities like volume, weight, unit etc. So, it’s not an ideal approach to take it as a single unit.)

# 

# Converted the categorical data into numeric

* Instead of using **ENCODING TECHNIQUES,** the **MAPPING TECHNIQUE** is used.
* The columns listed below are converted into numerical feature:
  + Season
  + Commodity
  + Category
  + Month
  + Price Type

# Cyclic Encoding to use **Date** column as the feature

* Used the general formula to use month as the feature as it might show seasonality of the dataset.