**Regression case study:**

**predict the price of preowned cars**

**Problem Statement:**

**Storm motors is an e-commerce company who act as an mediators between parties interested in selling and buying preowned cars.**

**For the year 2015-2016, they have recorded data about the seller and car including:**

**1. specification details**

**2.Condition of car**

**3.seller details**

**4.registration details**

**5.who advertisement detail**

**6.make and model information**

**7.price**

**storm motors wishes to develop an algorithm to predict the price of the cars based on various features associated with the car**

**Solutions\_framework:**

**1.Identify data is clean**

**2.Look for missing values**

**3.identify variables influencing price and look for relationship among variables.**

**-correlation,boxplots,scatterplots etc..**

**4.identify outliers**

**- central tendancy measures, dispersion measures, boxplots, histograms etc.**

**5.identify if categories with merge frequencies can be combined.**

**6.Filter data based on logical checks**

**-Price,year of registration,power**

**7.Reduced number of data**

**Method identification:**

**Regression algorithm**