





#### Predicting price of pre-owned cars

**(#**)

#### Problem statement



Storm Motors is an e-commerce company who act as mediators between parties interested in selling and buying pre-owned cars.

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

Specification details

Condition of car

Seller details

Registration details

Web advertisement details

Make and model information

**Price** 

Storm Motors wishes to develop an algorithm to predict the price of the cars based on various attributes associated with the car.

# Variable description

GITAA
Transforming careers

Total size :50000 x 19

Data file : cars\_sample.csv

<b>V</b> ariables	Data Type	Description	Categories
dateCrawled	date	date when the ad first crawled, all field values are taken from this date	
name	string	string consisting of car name, brand, model etc	combination of strings
seller	string	nature of seller	private, commercial
offerType	string	whether the car is on offer or has the buyer requested for an offer	offer, request
price	integer	price on the ad to sell the car (\$)	
abtest	string	two versions of ad	test, control
vehicleType	string	types of cars	cabrio, suv, coupe and 5 more
yearOfRegistration	integer	year in which was first registered	

# Variable description

Total size :50000 x 19



**(#**)

Data file : cars\_sample.csv

Variables	Data Type	Description	Categories
gearbox	string	type of gearbox	manual or automatic
powerPS	integer	power of the car (HP)	
model	string	model type of the car	3er,xc_reihe and 248 more
kilometer	integer	number of kilometres the car has travelled	
monthOfRegistration	integer (qualitative)	month of registration	1,2,3,12
fuelType	string	types of fuel	petrol, diesel and 5 more
brand	string	make of car	bmw, mercedes and 38 others
	string	status of repair for damages if yes damages have not been rectified; if no damages were taken care	yes, no
notRepairedDamage		of	

# Variable description



Total size :50000 x 19

Data file : cars\_sample.csv

<b>Variables</b>	Data Type	Description	Categories
	date	date at which the ad at storm	
dateCreated		motor was created	
postalCode	integer	postal code of seller	
	date	when the crawler saw this ad last	
lastSeen		online	

Data Science (#)





The variables can be grouped in to different buckets based on the information

Details	<b>V</b> ariables
Specification details	gearbox, power, fuelType
	notRepairedDamaged, kilometer
Condition of car	
Seller details	seller, postalCode
Registration details	yearOfRegistration, monthOfRegistration
Make and model	brand, model, vehicleType
Advertisement details	dateCrawled, name, abtest, dateCreated, lastSeen, offerType

Data Science (#)

```
peration == "MIRROR_X":
              . r or _object
mirror_mod.use_x = True
mirror_mod.use_y = False
mirror_mod.use_z = False
 _operation == "MIRROR_Y"|
irror_mod.use_x = False
lrror_mod.use_y = True
 mirror_mod.use_z = False
  operation == "MIRROR_Z":
  rror_mod.use_x = False
  rror mod.use y = False
  Irror mod.use z = True
   ob.select= 1
   er ob.select=1
   ntext.scene.objects.active
  "Selected" + str(modifier
   ata.objects[one.name].sel
  Int("please select exaction
```

#### **THANK YOU**