PROJECT DEVELOPMENT PHASE

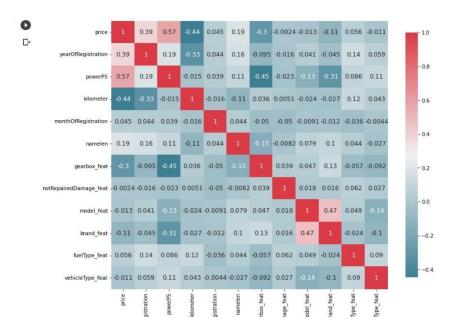
DELIVERY OF SPRINT-1

| DATE | 9 NOVEMBER 2022 |
|--------------|-----------------------------|
| TEAM ID | PNT2022TMID16841 |
| PROJECT NAME | Car Resale Value Prediction |
| MAXIMUM MARK | 4 Marks |

Import library and load dataset in python

| | df.sample | | tos.csv.gz', sep=',', header=0, compression='g | zip ,encc | ourng- cpiz |)) | | | | | | | | |
|---|-----------|------------------------|---------------------------------------------------|-----------|-------------|-------|---------|-------------|--------------------|-----------|---------|---------|-----------|------------|
| • | | dateCrawled | name | seller | offerType | price | abtest | vehicleType | yearOfRegistration | gearbox | powerPS | model | kilometer | monthOfReg |
| | 35533 | 2016-04-01 16:52:24 | Peugeot_206_5Tuerer_Klima_EI_Fenster_2_Hand_8f | privat | Angebot | 999 | control | kleinwagen | 1999 | manuell | 75 | 2_reihe | 150000 | |
| | 104233 | 2016-03-26 20:58:26 | Citroën_C4_Picasso_2.0_HDi_FAP_EGS6_Exclusive | privat | Angebot | 9500 | control | bus | 2008 | automatik | 136 | c4 | 125000 | |
| | 81172 | 2016-04-01 22:53:21 | Volkswagen_Passat_Variant_1.9_TDI_DPF_Comfortline | privat | Angebot | 6666 | test | kombi | 2009 | manuell | 105 | passat | 150000 | |
| | 362697 | 2016-03-09 14:37:44 | BMW_E36_Limo | privat | Angebot | 2900 | test | NaN | 2017 | NaN | 0 | andere | 150000 | |
| | 147593 | 2016-03-21 08:54:07 | Ford_Mondeo_an_Bastler | privat | Angebot | 250 | control | kombi | 1999 | manuell | 0 | mondeo | 150000 | |
| | 254916 | 2016-03-26 12:45:47 | Golf_VII_2.0TDI_DSG_Cup | privat | Angebot | 22500 | control | limousine | 2014 | automatik | 150 | golf | 40000 | |
| | 264392 | 2016-03-27 16:59:13 | Peugeot_307_Premium_4Tuerig_Diesel | privat | Angebot | 2790 | test | NaN | 2017 | manuell | 109 | 3_reihe | 150000 | |
| | 040500 | 2016-03-19 | Valley Breed Value 0.0 TOD Zureley de | | Annahak | CAEO | kl | lands. | 2000 | | 440 | | 450000 | |

Understanding and Analyzing the dataset by Correlation.



Clearing null values

```
[ ] dedups['notRepairedDamage'].fillna(value='not-declared', inplace=True)
dedups['fuelType'].fillna(value='not-declared', inplace=True)
dedups['gearbox'].fillna(value='not-declared', inplace=True)
dedups['vehicleType'].fillna(value='not-declared', inplace=True)
dedups['model'].fillna(value='not-declared', inplace=True)
```



Preprocessing the categorical values