PROJECT DEVELOPMENT PHASE

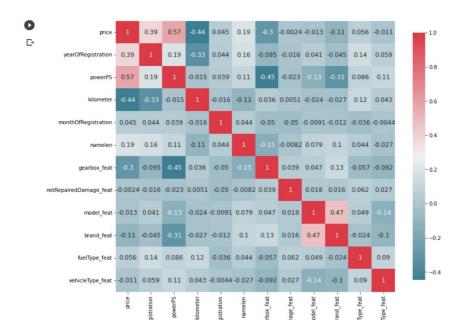
DELIVERY OF SPRINT-1

| DATE | 29 OCTOBER 2022 |
|--------------|-----------------------------|
| TEAM ID | PNT2022TMID15486 |
| PROJECT NAME | Car Resale Value Prediction |
| MAXIMUM MARK | 4 Marks |

Import library and load dataset in python

df = pd.read_csv('/content/drive/MyDrive/Imarticus/autos.csv', sep=',', header=0, encoding='cp1252') #df = pd.read_csv('autos.csv.gz', sep=',', header=0, compression='gzip',encoding='cp1252') df.sample(10) name seller offerType price abtest vehicleType yearOfRegistration gearbox powerPS model kilometer monthOfRegi dateCrawled 35533 2016-04-01 | Peugeot_206_5Tuerer_Klima_EI_Fenster_2_Hand_8f... privat Angebot 999 control kleinwagen 75 2_reihe 150000 2016-03-26 Citroën_C4_Picasso_2.0_HDi_FAP_EGS6_Exclusive privat Angebot 9500 control 2008 automatik 20:58:26 81172 2016-04-01 22:53:21 Volkswagen_Passat_Variant_1.9_TDI_DPF_Comfortline privat Angebot 6666 test 2009 manuell 105 passat 150000 kombi 2016-03-09 362697 BMW_E36_Limo privat Angebot 2900 test NaN 0 andere 150000 14:37:44 147593 2016-03-21 Ford_Mondeo_an_Bastler privat Angebot 250 control 1999 manuell kombi 0 mondeo 150000 08:54:07 2016-03-26 254916 Golf_VII_2.0TDI_DSG_Cup privat Angebot 22500 control limousine 2014 automatik 40000 **264392** 2016-03-27 Peugeot_307_Premium_4Tuerig_Diesel privat Angebot 2790 test 2017 manuell 109 3_reihe 150000 2016-03-19

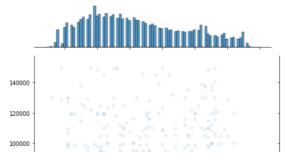
• Understanding and Analyzing the dataset by Correlation.



• 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)
```

__ /usr/local/lib/python3.7/dist-packages/seaborn/axisgrid.py:2182: UserWarning: The `size` parameter has been renamed to `height`; please update your code warnings.warn(msg, UserWarning)



• Preprocessing the categorical values