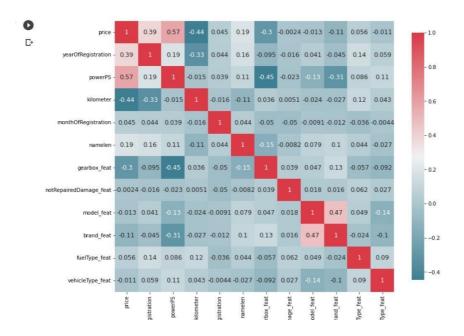
PROJECT DEVELOPMENT PHASE DELIVERY OF SPRINT-1

DATE	29 OCTOBER 2022
TEAM ID	PNT2022TMID44545
PROJECT NAME	Car Resale Value Prediction
MAXIMUM MARK	4 Marks

. Import library and load dataset in python

f = 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) C+ dateCrawled name seller offerType price abtest vehicleType yearOfRegistration gearbox powerPS model kilometer monthOfRegi 2016-04-01 35533 Peugeot_206_5Tuerer_Klima_El_Fenster_2_Hand_8f... privat Angebot 999 control kleinwagen 1999 manuell 150000 75 2 reihe 16:52:24 2016-03-26 104233 Citroën_C4_Picasso_2.0_HDi_FAP_EGS6_Exclusive privat Angebot 9500 control 2008 automatik 136 125000 c4 20:58:26 2016-04-01 Volkswagen_Passat_Variant_1.9_TDI_DPF_Comfortline privat Angebot 6666 81172 150000 kombi 2009 manuell 105 passat 2016-03-09 362697 BMW_E36_Limo privat Angebot 2900 NaN NaN 150000 0 andere 2016-03-21 147593 Ford_Mondeo_an_Bastler privat Angebot 250 control 150000 kombi 1999 manuell 0 mondeo 2016-03-26 254916 Golf_VII_2.0TDI_DSG_Cup privat Angebot 22500 control limousine 2014 automatik 150 40000 2016-03-27 264392 Peugeot_307_Premium_4Tuerig_Diesel privat Angebot 2790 2017 manuell 109 3_reihe 150000 16:59:13 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