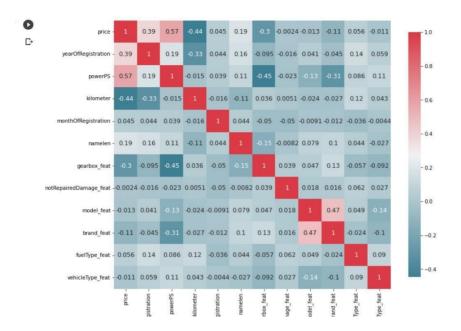
## PROJECT DEVELOPMENT PHASE DELIVERY OF SPRINT-1

DATE	29 OCTOBER 2022
TEAM ID	PNT2022TMID23693
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) dateCrawled name seller offerType price abtest vehicleType yearOfRegistration gearbox powerPS model kilometer monthOfRegi 35533 2016-04-01 16:52:24 Peugeot\_206\_5Tuerer\_Klima\_EI\_Fenster\_2\_Hand\_8f... privat Angebot 999 control kleinwagen 75 2 reihe 150000 1999 manuell 2016-03-26 Citroën\_C4\_Picasso\_2.0\_HDi\_FAP\_EGS6\_Exclusive privat Angebot 9500 control 2008 automatik 125000 20:58:26 2016-04-01 Volkswagen\_Passat\_Variant\_1.9\_TDI\_DPF\_Comfortline privat Angebot 6666 81172 150000 2009 manuell 105 passat kombi 2016-03-09 362697 BMW\_E36\_Limo privat Angebot 2900 NaN 0 andere 150000 14:37:44 2016-03-21 Ford\_Mondeo\_an\_Bastler privat Angebot 250 control 147593 1999 manuell 150000 kombi 0 mondeo 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