# PROJECT DEVELOPMENT PHASE

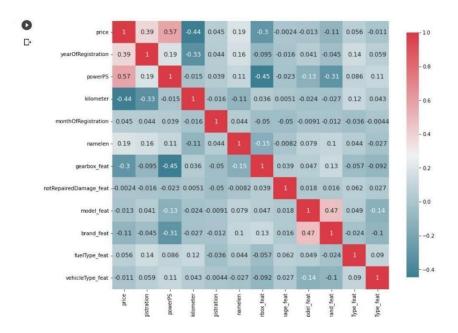
## **DELIVERY OF SPRINT-1**

DATE	9 NOVEMBER 2022
TEAM ID	PNT2022TMID14437
PROJECT NAME	Car Resale Value Prediction
MAXIMUM MARK	4 Marks

### Import library and load dataset in python

	mple(10)												
	dateCrawled	name	seller	offerType	price	abtest	vehicleType	yearOfRegistration	gearbox	powerPS	model	kilometer	monthOfReg
3553	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	
1042	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	
8117	2016-04-01 22:53:21	Volkswagen_Passat_Variant_1.9_TDI_DPF_Comfortline	privat	Angebot	6666	test	kombi	2009	manuell	105	passat	150000	
3626	97 2016-03-09 14:37:44	BMW_E36_Limo	privat	Angebot	2900	test	NaN	2017	NaN	0	andere	150000	
1475	93 2016-03-21 08:54:07	Ford_Mondeo_an_Bastler	privat	Angebot	250	control	kombi	1999	manuell	0	mondeo	150000	
2549	2016-03-26 12:45:47	Golf_VII_2.0TDI_DSG_Cup	privat	Angebot	22500	control	limousine	2014	automatik	150	golf	40000	
2643	92 2016-03-27 16:59:13	Peugeot_307_Premium_4Tuerig_Diesel	privat	Angebot	2790	test	NaN	2017	manuell	109	3_reihe	150000	

### 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