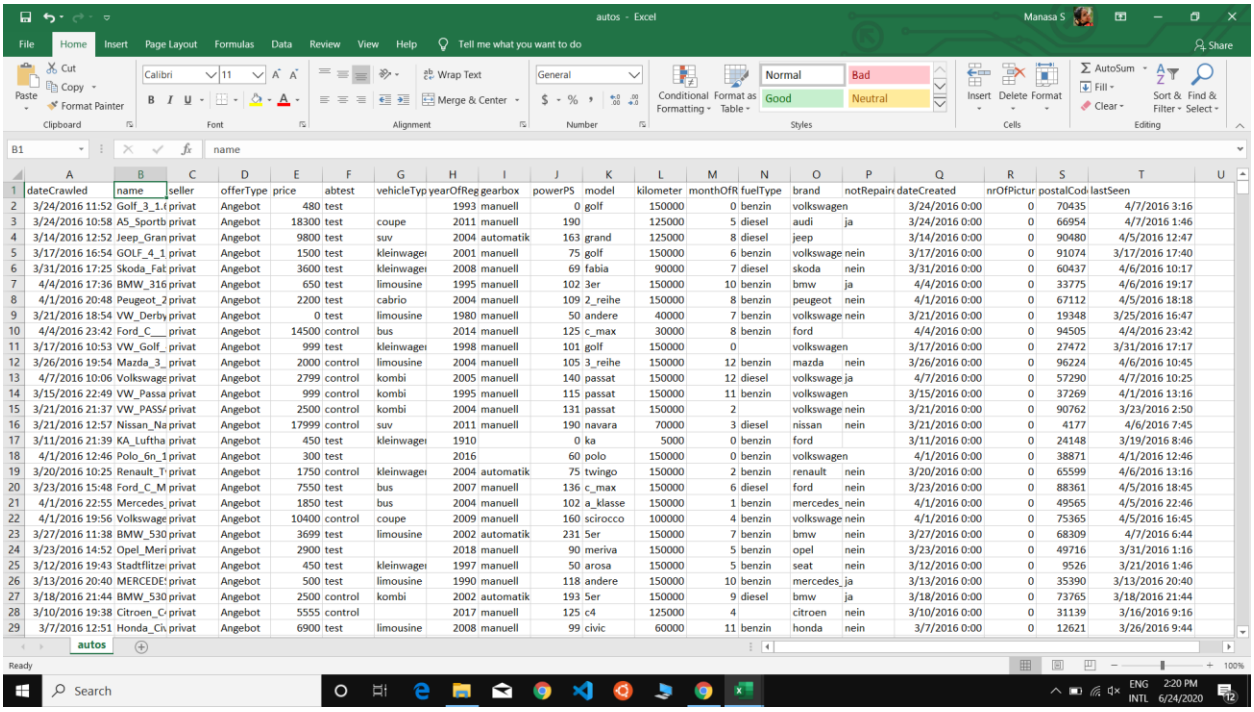
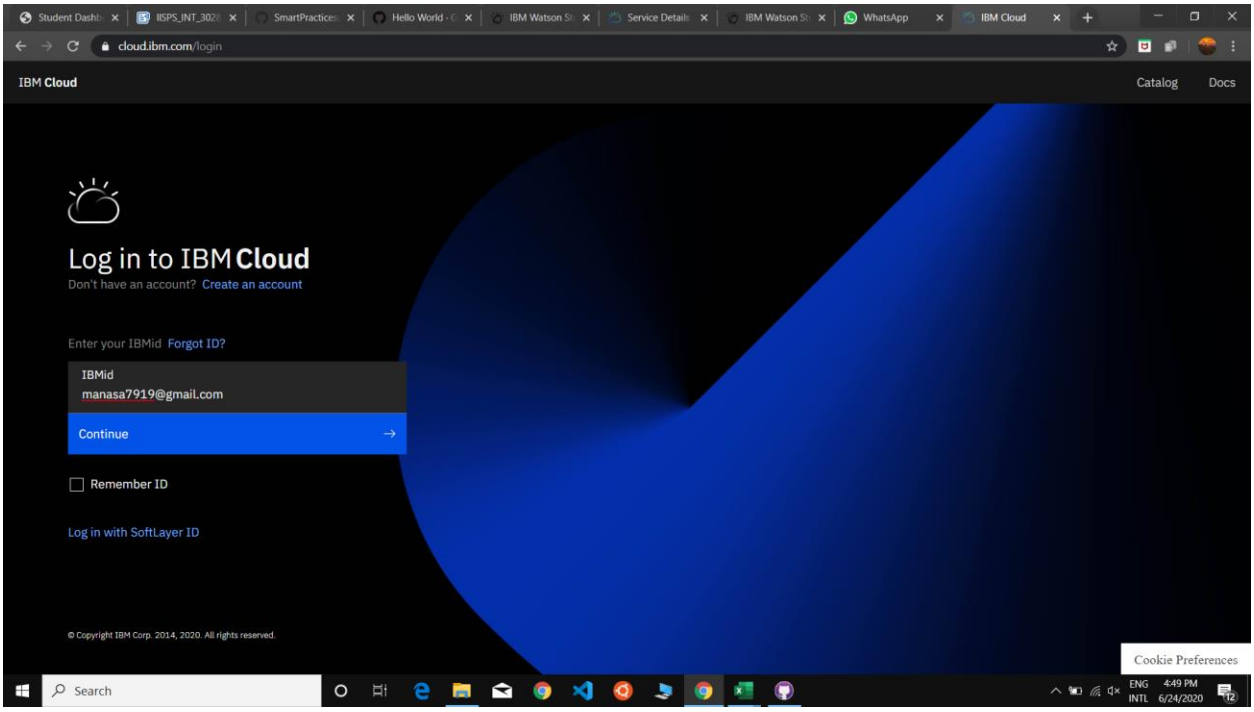
Dataset:

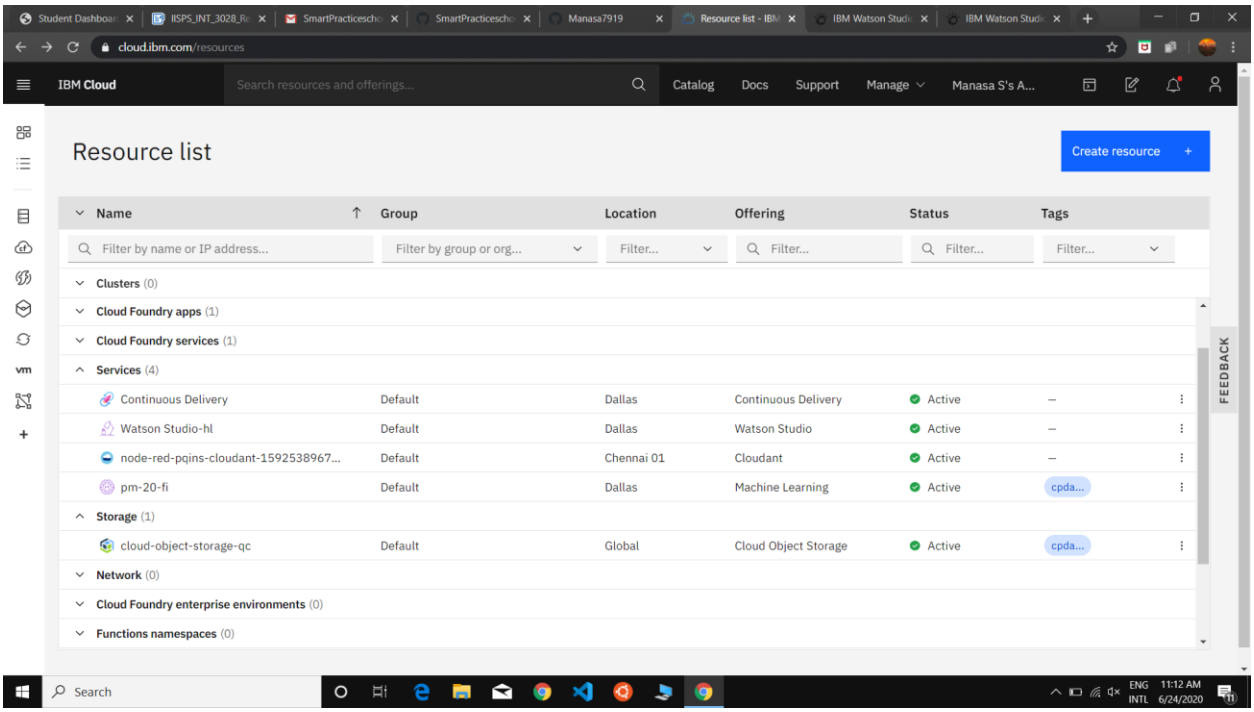


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	dateCrawled	name	seller	offerType	price	abtest	vehicleTyp	yearOfReg	gearbox	powerPS	model	kilometer	monthOfR	fuelType	brand	notRepair	dateCreated	nrOfPictur	postalCod	lastSeen
2	3/24/2016 11:52	Golf_3_1.(	privat	Angebot	480	test		1993	manuell	0	golf	150000	0	benzin	volkswagen		3/24/2016 0:00	0	70435	4/7/2016 3:16
3	3/24/2016 10:58	A5_Sportb	privat	Angebot	18300	test	coupe	2011	manuell	190		125000	5	diesel	audi	ja	3/24/2016 0:00	0	66954	4/7/2016 1:46
4	3/14/2016 12:52	Jeep_Gran	privat	Angebot	9800	test	suv	2004	automatik	163	grand	125000	8	diesel	jeep		3/14/2016 0:00	0	90480	4/5/2016 12:47
5	3/17/2016 16:54	GOLF_4_1	privat	Angebot	1500	test	kleinwage	2001	manuell	75	golf	150000	6	benzin	volkswage	nein	3/17/2016 0:00	0	91074	3/17/2016 17:40
6	3/31/2016 17:25	Skoda_Fat	privat	Angebot	3600	test	kleinwage	2008	manuell	69	fabia	90000	7	diesel	skoda	nein	3/31/2016 0:00	0	60437	4/6/2016 10:17
7	4/4/2016 17:36	BMW_316	privat	Angebot	650	test	limousine	1995	manuell	102	3er	150000	10	benzin	bmw	ja	4/4/2016 0:00	0	33775	4/6/2016 19:17
8	4/1/2016 20:48	Peugeot_2	privat	Angebot	2200	test	cabrio	2004	manuell	109	2_reihe	150000	8	benzin	peugeot	nein	4/1/2016 0:00	0	67112	4/5/2016 18:18
9	3/21/2016 18:54	VW_Derby	privat	Angebot	0	test	limousine	1980	manuell	50	andere	40000	7	benzin	volkswage	nein	3/21/2016 0:00	0	19348	3/25/2016 16:47
10	4/4/2016 23:42	Ford_C___	privat	Angebot	14500	control	bus	2014	manuell	125	c_max	30000	8	benzin	ford		4/4/2016 0:00	0	94505	4/4/2016 23:42
11	3/17/2016 10:53	VW_Golf_	privat	Angebot	999	test	kleinwage	1998	manuell	101	golf	150000	0		volkswagen		3/17/2016 0:00	0	27472	3/31/2016 17:17
12	3/26/2016 19:54	Mazda_3_	privat	Angebot	2000	control	limousine	2004	manuell	105	3_reihe	150000	12	benzin	mazda	nein	3/26/2016 0:00	0	96224	4/6/2016 10:45
13	4/7/2016 10:06	Volkswage	privat	Angebot	2799	control	kombi	2005	manuell	140	passat	150000	12	diesel	volkswage	ja	4/7/2016 0:00	0	57290	4/7/2016 10:25
14	3/15/2016 22:49	VW_Passa	privat	Angebot	999	control	kombi	1995	manuell	115	passat	150000	11	benzin	volkswagen		3/15/2016 0:00	0	37269	4/1/2016 13:16
15	3/21/2016 21:37	VW_PASS/	privat	Angebot	2500	control	kombi	2004	manuell	131	passat	150000	2		volkswage	nein	3/21/2016 0:00	0	90762	3/23/2016 2:50
16	3/21/2016 12:57	Nissan_Na	privat	Angebot	17999	control	suv	2011	manuell	190	navara	70000	3	diesel	nissan	nein	3/21/2016 0:00	0	4177	4/6/2016 7:45
17	3/11/2016 21:39	KA_Luftha	privat	Angebot	450	test	kleinwage	1910		0	ka	5000	0	benzin	ford		3/11/2016 0:00	0	24148	3/19/2016 8:46
18	4/1/2016 12:46	Polo_6n_1	privat	Angebot	300	test		2016		60	polo	150000	0	benzin	volkswagen		4/1/2016 0:00	0	38871	4/1/2016 12:46
19	3/20/2016 10:25	Renault_T	privat	Angebot	1750	control	kleinwage	2004	automatik	75	twingo	150000	2	benzin	renault	nein	3/20/2016 0:00	0	65599	4/6/2016 13:16
20	3/23/2016 15:48	Ford_C_M	privat	Angebot	7550	test	bus	2007	manuell	136	c_max	150000	6	diesel	ford	nein	3/23/2016 0:00	0	88361	4/5/2016 18:45
21	4/1/2016 22:55	Mercedes_	privat	Angebot	1850	test	bus	2004	manuell	102	a_klasse	150000	1	benzin	mercedes_	nein	4/1/2016 0:00	0	49565	4/5/2016 22:46
22	4/1/2016 19:56	Volkswage	privat	Angebot	10400	control	coupe	2009	manuell	160	scirocco	100000	4	benzin	volkswage	nein	4/1/2016 0:00	0	75365	4/5/2016 16:45
23	3/27/2016 11:38	BMW_530	privat	Angebot	3699	test	limousine	2002	automatik	231	5er	150000	7	benzin	bmw	nein	3/27/2016 0:00	0	68309	4/7/2016 6:44
24	3/23/2016 14:52	Opel_Meri	privat	Angebot	2900	test		2018	manuell	90	meriva	150000	5	benzin	opel	nein	3/23/2016 0:00	0	49716	3/31/2016 1:16
25	3/12/2016 19:43	Stadtflitze	privat	Angebot	450	test	kleinwage	1997	manuell	50	arosa	150000	5	benzin	seat	nein	3/12/2016 0:00	0	9526	3/21/2016 1:46
26	3/13/2016 20:40	MERCEDES	privat	Angebot	500	test	limousine	1990	manuell	118	andere	150000	10	benzin	mercedes_	ja	3/13/2016 0:00	0	35390	3/13/2016 20:40
27	3/18/2016 21:44	BMW_530	privat	Angebot	2500	control	kombi	2002	automatik	193	5er	150000	9	diesel	bmw	ja	3/18/2016 0:00	0	73765	3/18/2016 21:44
28	3/10/2016 19:38	Citroen_C	privat	Angebot	5555	control		2017	manuell	125	c4	125000	4		citroen	nein	3/10/2016 0:00	0	31139	3/16/2016 9:16
29	3/7/2016 12:51	Honda_Ci	privat	Angebot	6900	test	limousine	2008	manuell	99	civic	60000	11	benzin	honda	nein	3/7/2016 0:00	0	12621	3/26/2016 9:44

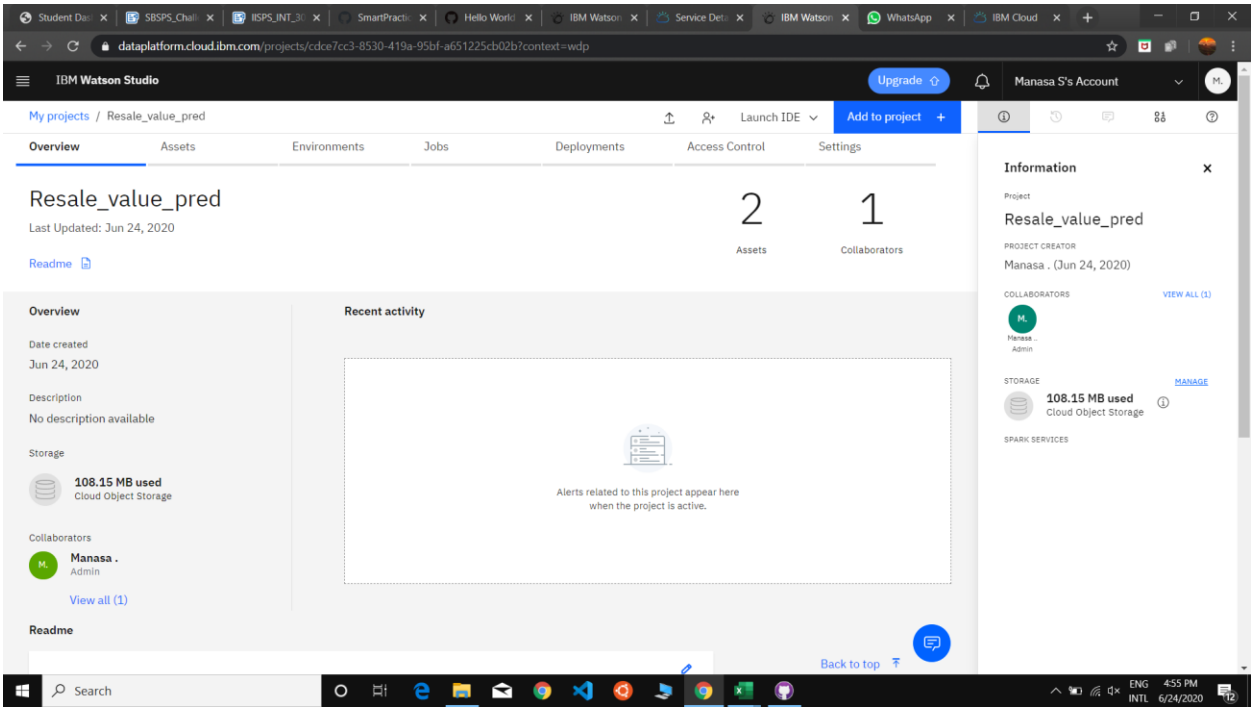
Login to IBM cloud:



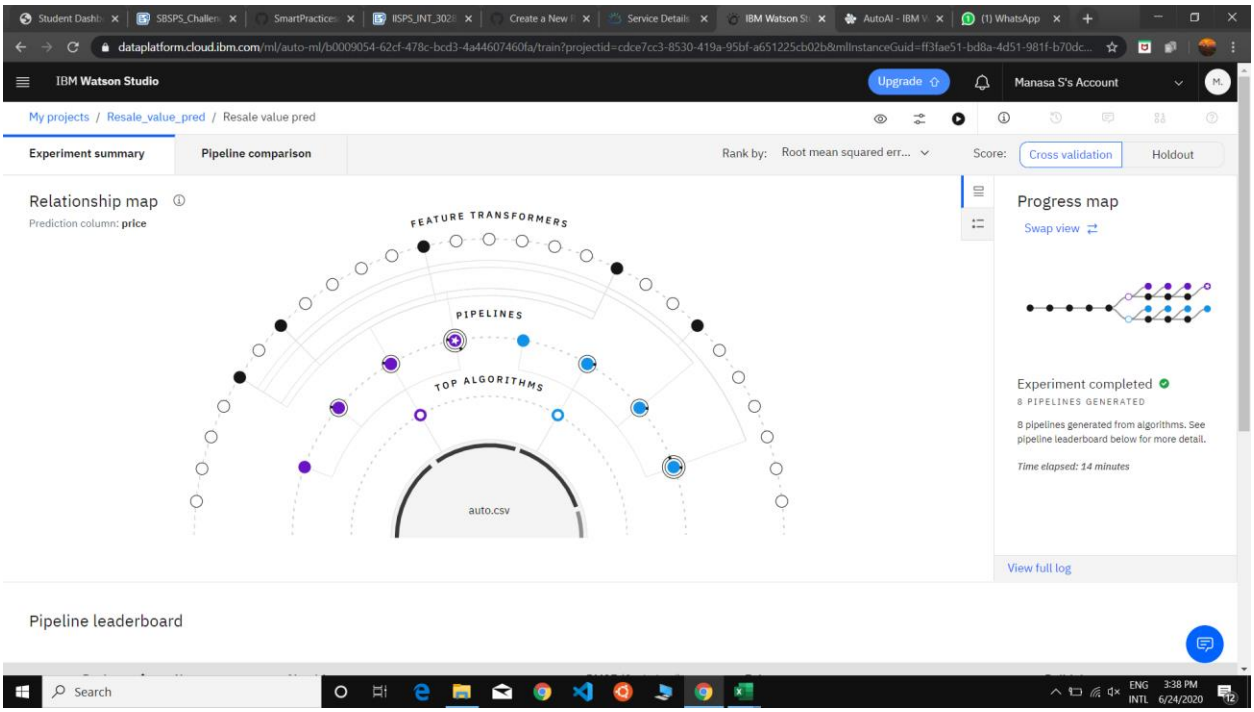
IBM cloud services:

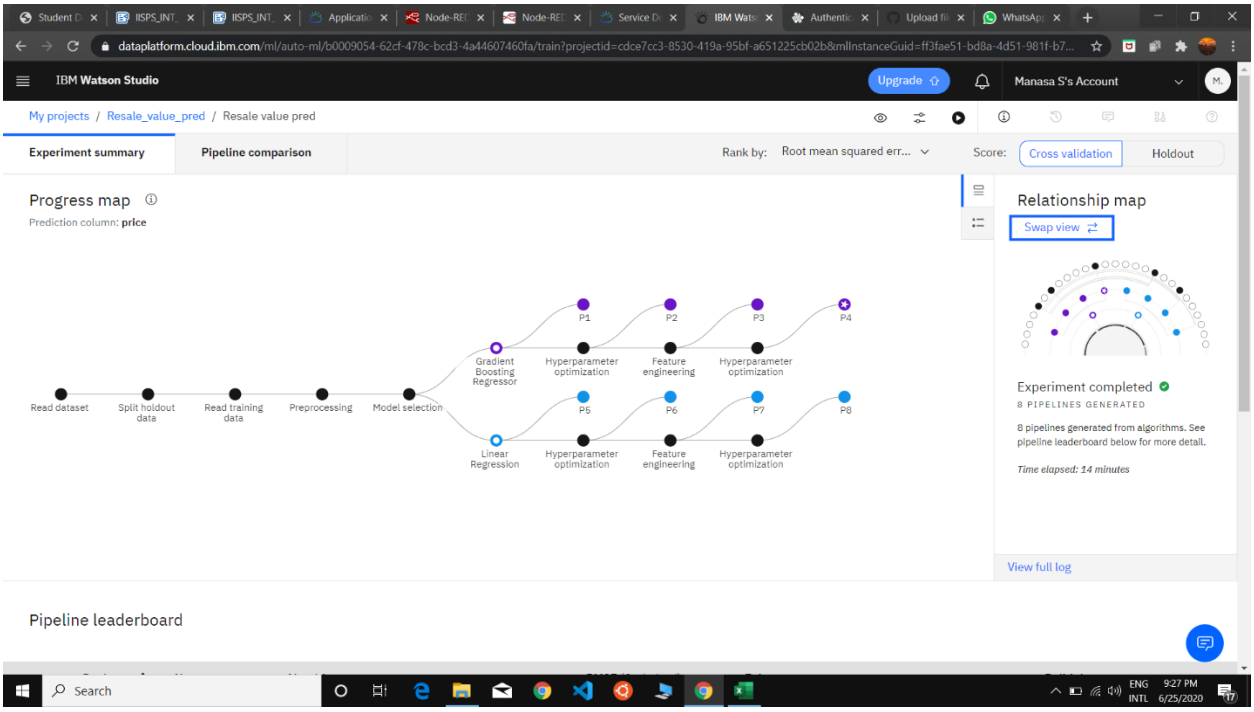


Project in IBM studio:

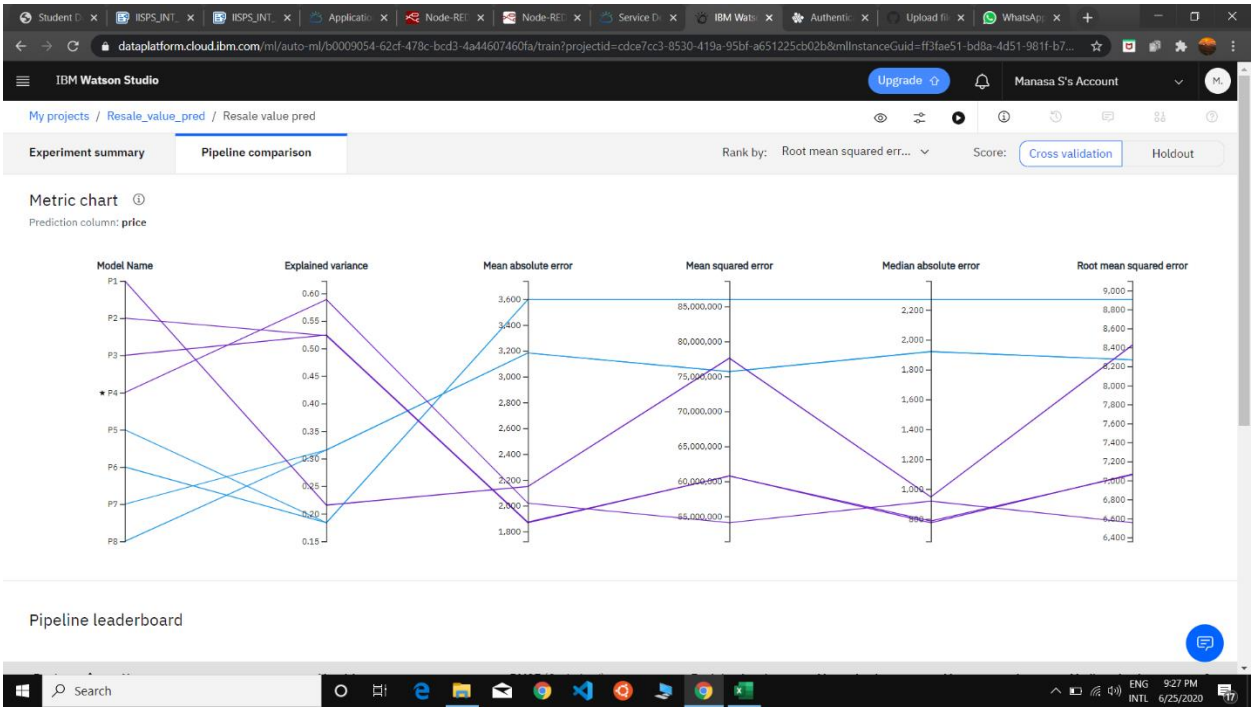


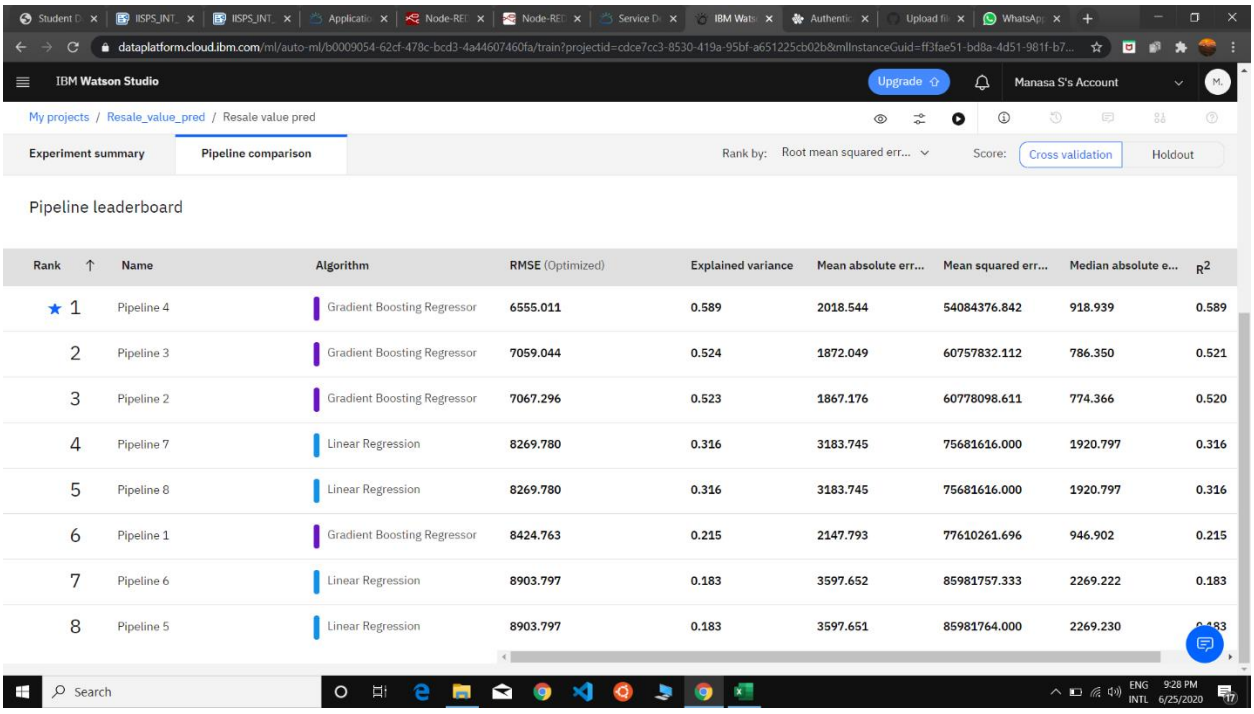
Run the model:





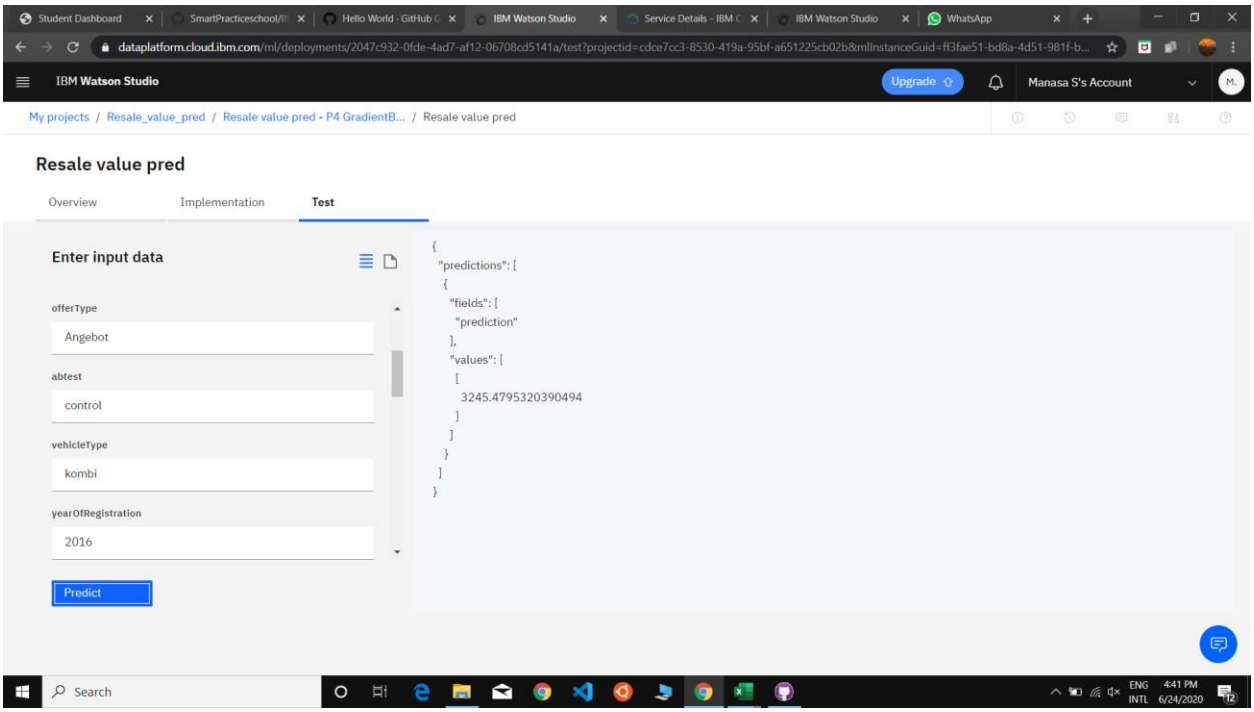
Pipeline comparison:



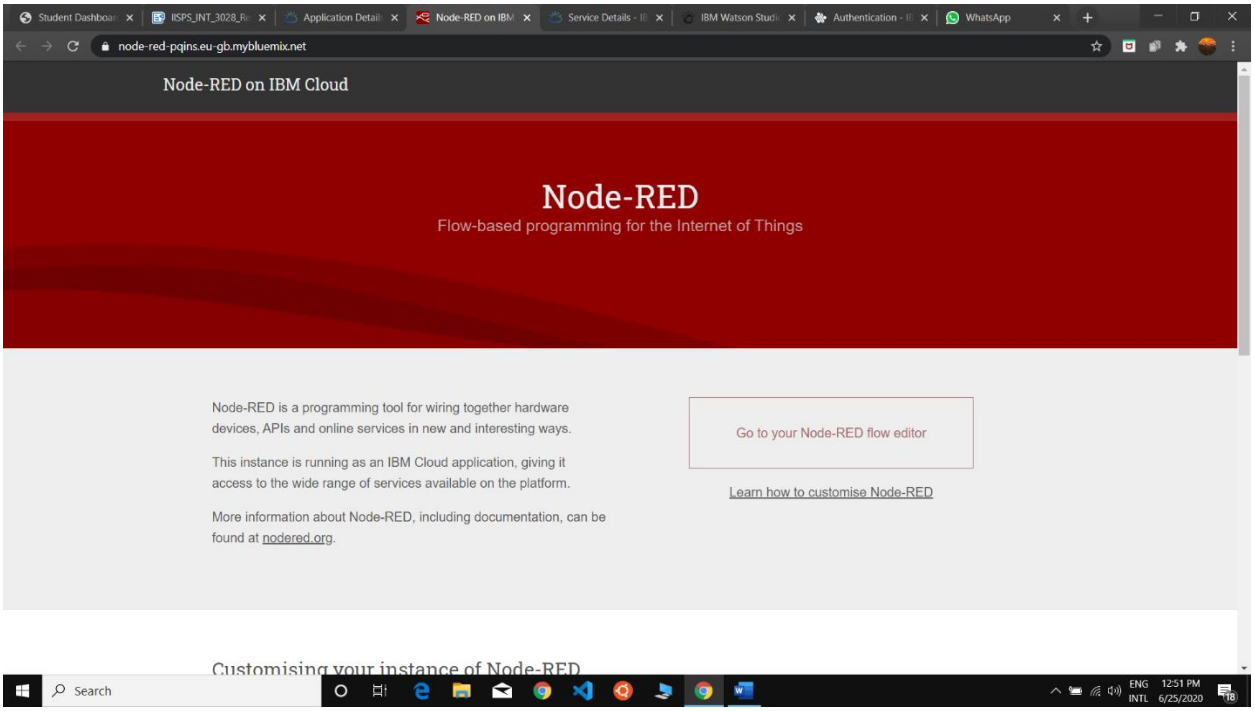


Rank	Name	Algorithm	RMSE (Optimized)	Explained variance	Mean absolute err...	Mean squared err...	Median absolute e...	R^2
★ 1	Pipeline 4	Gradient Boosting Regressor	6555.011	0.589	2018.544	54084376.842	918.939	0.589
2	Pipeline 3	Gradient Boosting Regressor	7059.044	0.524	1872.049	60757832.112	786.350	0.521
3	Pipeline 2	Gradient Boosting Regressor	7067.296	0.523	1867.176	60778098.611	774.366	0.520
4	Pipeline 7	Linear Regression	8269.780	0.316	3183.745	75681616.000	1920.797	0.316
5	Pipeline 8	Linear Regression	8269.780	0.316	3183.745	75681616.000	1920.797	0.316
6	Pipeline 1	Gradient Boosting Regressor	8424.763	0.215	2147.793	77610261.696	946.902	0.215
7	Pipeline 6	Linear Regression	8903.797	0.183	3597.652	85981757.333	2269.222	0.183
8	Pipeline 5	Linear Regression	8903.797	0.183	3597.651	85981764.000	2269.230	0.183

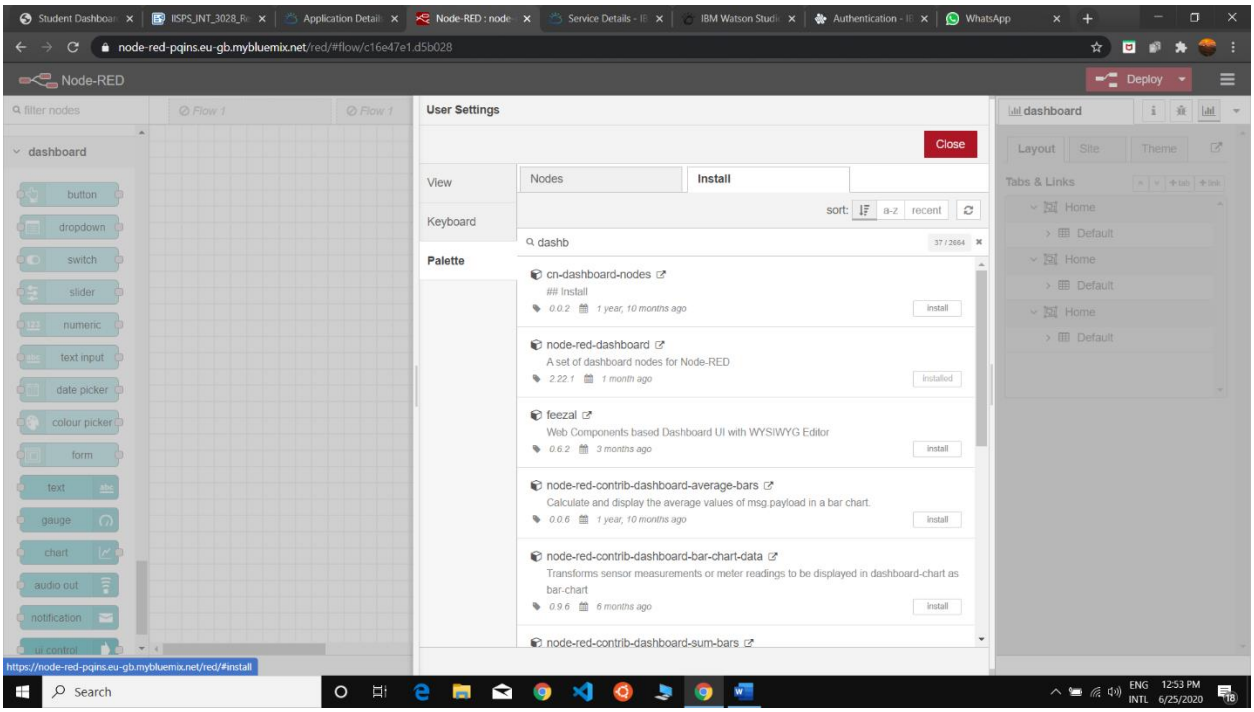
Deploy the model:



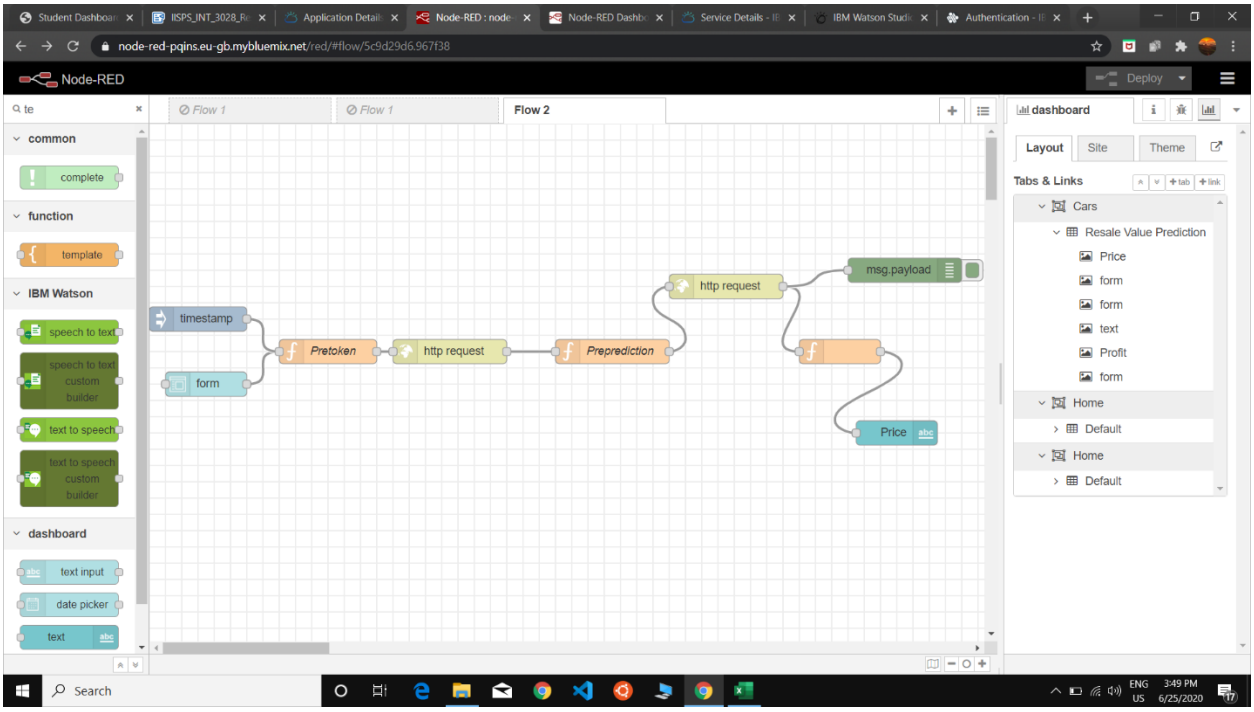
Node-Red is created:



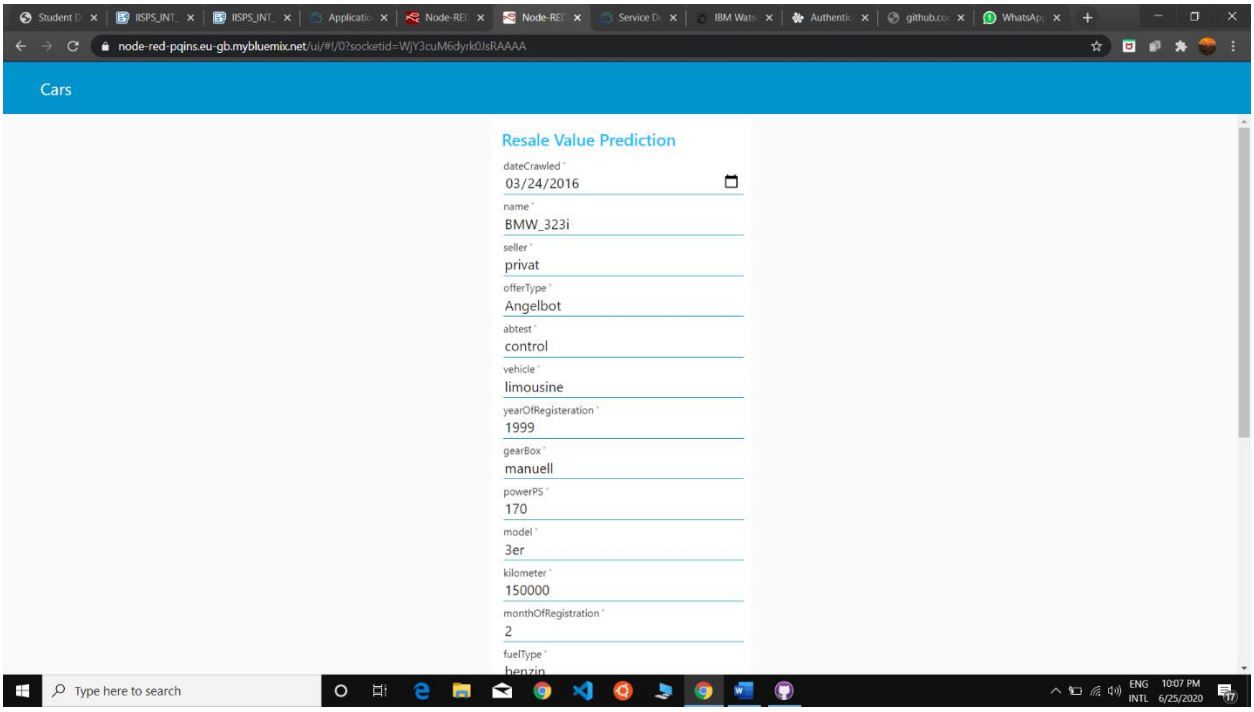
Installed Dashboard Nodes:



Node-Red UI:



Result: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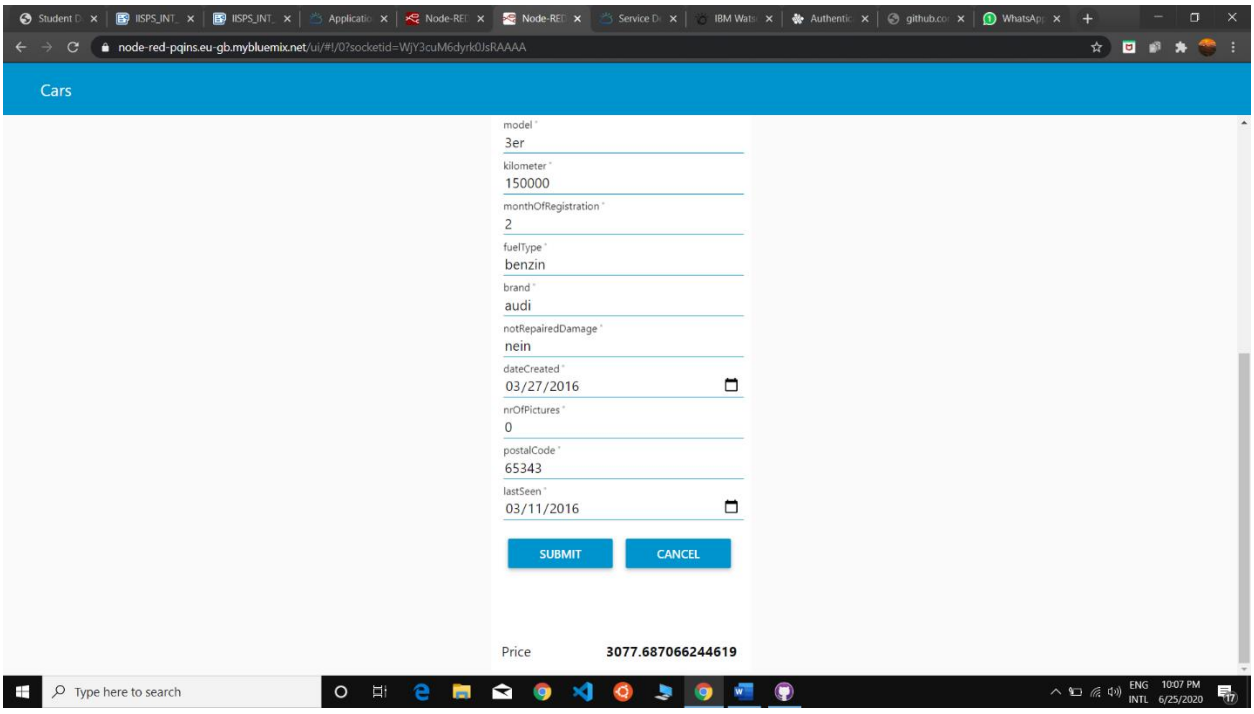
Cars
Resale Value Prediction
dateCrawled *
03/24/2016
name *
BMW_323i
seller *
privat
offerType *
Angelbot
abtest *
control
vehicle *
limousine
yearOfRegisteration *
1999
gearBox *
manuell
powerPS *
170
model *
3er
kilometer *
150000
monthOfRegistration *
2
fuelType *
benzin
Type here to search
ENG
INTL
10:07 PM
6/25/2020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Cars
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3er
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150000
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brand *
audi
notRepairedDamage *
nein
dateCreated *
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nrOfPictures *
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postalCode *
65343
lastSeen *
03/11/2016
SUBMIT
CANCEL
Price
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6/25/2020