

Dataset:

autos

Manasa S

File Home Insert Page Layout Formulas Data Review View Help Tell me what you want to do

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Calibri 11

B Bold I Italic U Underline

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Text

Percentage

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Conditional Formatting

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U		
	date	Crawled	name	seller	offerType	price	abtest	vehicleType	year	OFReg	gearbox	powerPS	model	kilometer	month	OFR	fuelType	brand	notRepair	dateCreated	nrOfPictur	postalCod	lastSeen
1	3/24/2016 11:52	Golf_3_14	privat	Angebot	480	test		1993	manuell		0	golf	150000	0	benzin		volkswagen		3/24/2016 0:00	0	70435	4/7/2016 3:16	
2	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	
3	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	
4	3/17/2016 16:54	GOLF_4_1	privat	Angebot	1500	test	kleinwagen	2001	manuell		75	golf	150000	6	benzin		volkswagen	nein	3/17/2016 0:00	0	91074	3/17/2016 17:40	
5	3/31/2016 17:25	Skoda_Fat	privat	Angebot	3600	test	kleinwagen	2008	manuell		69	fabia	90000	7	diesel		skoda	nein	3/31/2016 0:00	0	60437	4/6/2016 10:17	
6	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	
7	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	
8	3/21/2016 18:54	VW_Derby	privat	Angebot	0	test	limousine	1980	manuell		50	andere	40000	7	benzin		volkswagen	nein	3/21/2016 0:00	0	19348	3/25/2016 16:47	
9	4/4/2016 23:42	Ford_C_m	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	
10	3/17/2016 10:53	VW_Golf_3	privat	Angebot	999	test	kleinwagen	1998	manuell		101	golf	150000	0			volkswagen		3/17/2016 0:00	0	27472	3/19/2016 17:17	
11	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	
12	4/7/2016 10:06	Volkswagen	privat	Angebot	2799	control	kombi	2005	manuell		140	passat	150000	12	diesel		volkswagen	ja	4/7/2016 0:00	0	57290	4/7/2016 10:25	
13	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	
14	3/21/2016 21:37	VW_PASSAT	privat	Angebot	2500	control	kombi	2004	manuell		131	passat	150000	2			volkswagen	nein	3/21/2016 0:00	0	90762	3/23/2016 2:50	
15	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	
16	3/11/2016 21:39	KA_Luftha	privat	Angebot	450	test	kleinwagen	1910			0	ka	5000	0	benzin		ford		3/11/2016 0:00	0	24148	3/19/2016 8:46	
17	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	
18	3/20/2016 10:25	Renault_T1	privat	Angebot	1750	control	kleinwagen	2004	automatik		75	twingo	150000	2	benzin		renault	nein	3/20/2016 0:00	0	65599	4/6/2016 13:16	
19	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	
20	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	
21	4/1/2016 19:56	Volkswagen	privat	Angebot	10400	control	coupe	2009	manuell		160	scirocco	100000	4	benzin		volkswagen	nein	4/1/2016 0:00	0	75365	4/5/2016 16:45	
22	3/27/2016 11:38	BMW_530i	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	
23	3/23/2016 14:52	Opel_Meriv	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	
24	3/13/2016 19:43	Stadtfilzte	privat	Angebot	450	test	kleinwagen	1997	manuell		50	aros	150000	5	benzin		seat	nein	3/13/2016 0:00	0	9526	3/21/2016 1:46	
25	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	
26	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	
27	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	
28	3/7/2016 12:51	Honda_Ck	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	
29																							

autos

Ready

Search

ENG 220 PM 6/24/2020

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IBM cloud services:

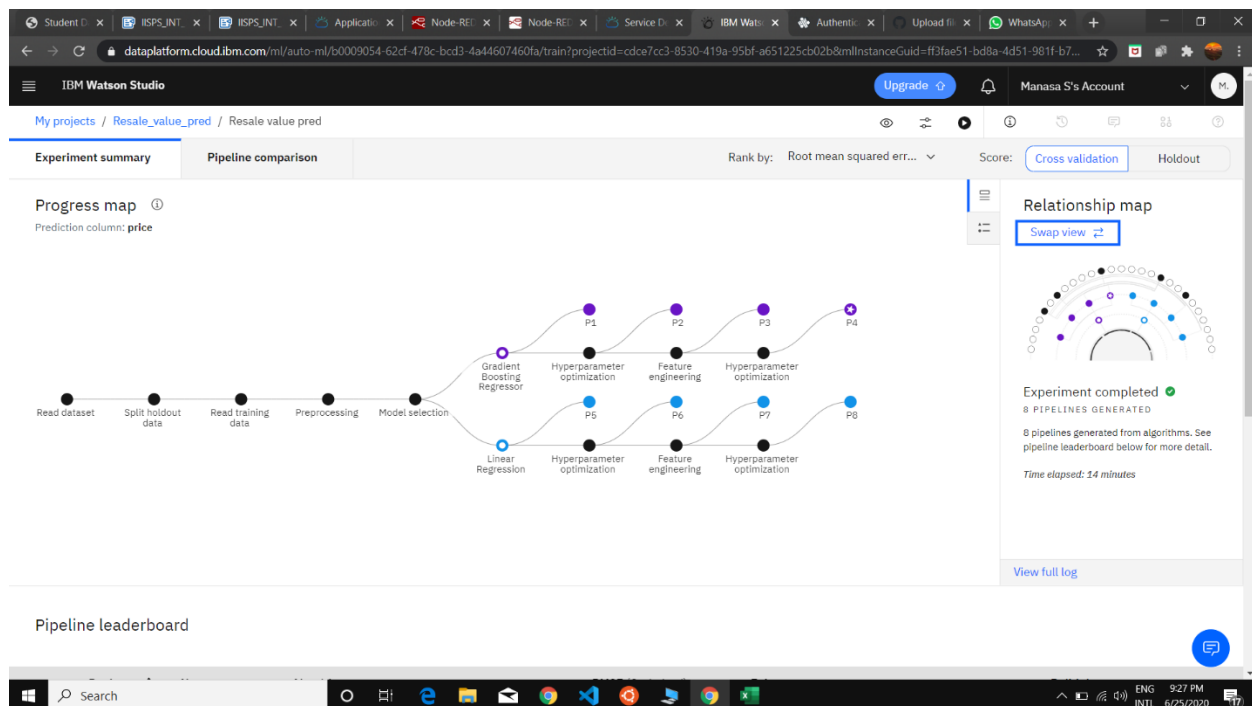
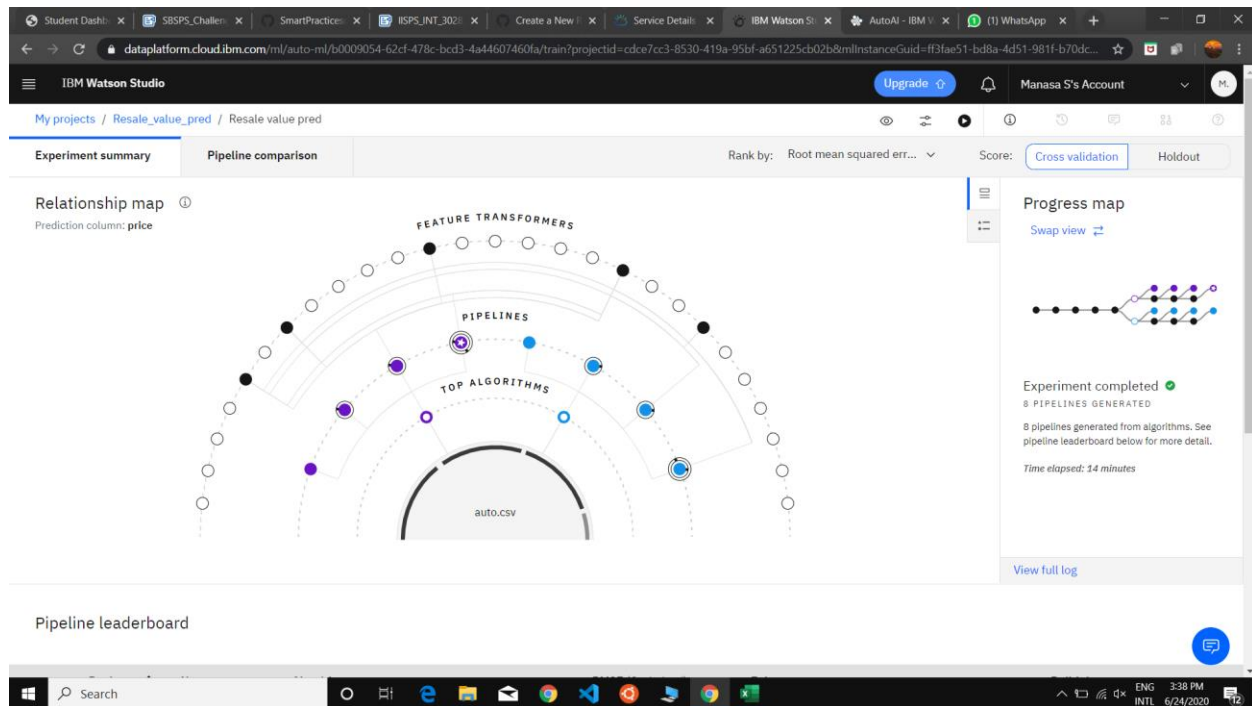
The screenshot displays the IBM Cloud 'Resource list' interface. At the top, there's a navigation bar with 'IBM Cloud' and a search bar. Below this, a 'Create resource' button is visible. The main content area is a table with the following columns: Name, Group, Location, Offering, Status, and Tags. The table lists various resources categorized by groups like Clusters, Cloud Foundry apps, Cloud Foundry services, Services, Storage, Network, Cloud Foundry enterprise environments, and Functions namespaces. Each resource entry includes an icon, a name, a group, a location, an offering, a status (Active), and a tag (cpda...). The browser's address bar shows the URL 'cloud.ibm.com/resources'.

Name	Group	Location	Offering	Status	Tags
Filter by name or IP address...					
Filter by group or org...		Filter...	Filter...	Filter...	Filter...
Clusters (0)					
Cloud Foundry apps (1)					
Cloud Foundry services (1)					
Services (4)					
Continuous Delivery	Default	Dallas	Continuous Delivery	Active	-
Watson Studio-hl	Default	Dallas	Watson Studio	Active	-
node-red-pqins-cloudant-1592538967...	Default	Chennai 01	Cloudant	Active	-
pm-20-fi	Default	Dallas	Machine Learning	Active	cpda...
Storage (1)					
cloud-object-storage-qc	Default	Global	Cloud Object Storage	Active	cpda...
Network (0)					
Cloud Foundry enterprise environments (0)					
Functions namespaces (0)					

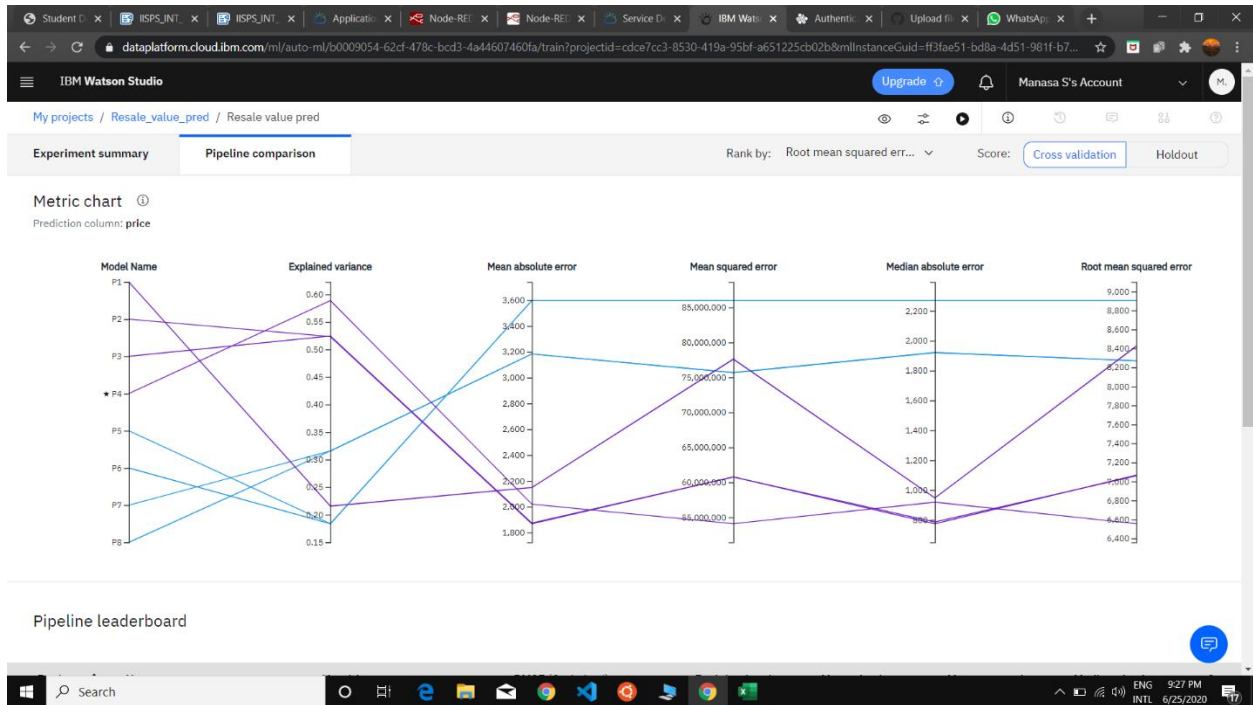
Project in IBM studio:

The screenshot displays the IBM Watson Studio web interface. At the top, a browser address bar shows the URL: `dataplatform.cloud.ibm.com/projects/cdce7cc3-8530-419a-95bf-a651225cb02b7/context=wdp`. The main header includes the IBM Watson Studio logo, an 'Upgrade' button, and a user profile for 'Manasa S's Account'. Below the header, a navigation bar shows 'My projects / Resale_value_pred' with tabs for Overview, Assets, Environments, Jobs, Deployments, Access Control, and Settings. The 'Overview' tab is active, showing the project name 'Resale_value_pred', its last update time 'Jun 24, 2020', and a 'Readme' link. To the right, statistics show '2 Assets' and '1 Collaborators'. A right-hand sidebar provides 'Information' about the project, including the creator 'Manasa S. (Jun 24, 2020)', a list of collaborators (Manasa S. Admin), storage usage ('108.15 MB used' on Cloud Object Storage), and a 'MANAGE' link. The main content area is divided into 'Overview' (with fields for Date created, Description, and Storage) and 'Recent activity' (which is currently empty and contains a placeholder icon and text: 'Alerts related to this project appear here when the project is active.'). A 'Back to top' button is located at the bottom right of the main content area.

Run the model:



Pipeline comparison:



My projects / Resale_value_pred / Resale value pred

Experiment summary Pipeline comparison Rank by: Root mean squared err... Score: Cross validation Holdout

Pipeline leaderboard

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:

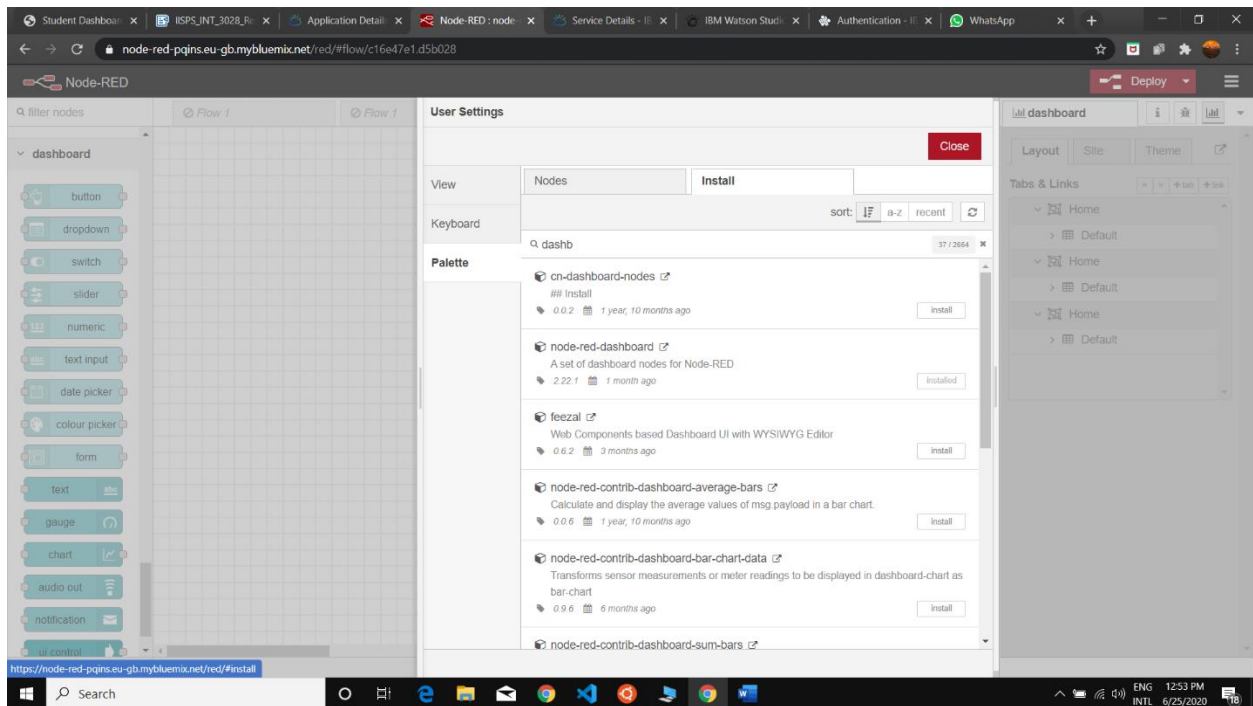
The screenshot shows the IBM Watson Studio web interface. The browser address bar displays the URL: `datapatform.cloud.ibm.com/ml/deployments/2047c932-0fde-4ad7-af12-06708cd5141a/test?projectId=cdce7cc3-8530-419a-95bf-a651225cb02b&mlInstanceGuid=ff3fae51-bd8a-4d51-981f-b...`. The page title is "Resale value pred". The navigation bar includes "My projects / Resale_value_pred / Resale value pred - P4 GradientB... / Resale value pred". The main content area has three tabs: "Overview", "Implementation", and "Test". The "Test" tab is active, showing a form to "Enter input data". The form contains four input fields: "offerType" (Angebot), "abtest" (control), "vehicleType" (kombi), and "yearOfRegistration" (2016). A "Predict" button is at the bottom of the form. To the right of the form, a JSON response is displayed:

```
{
  "predictions": [
    {
      "fields": [
        "prediction"
      ],
      "values": [
        3245.4795320390494
      ]
    }
  ]
}
```

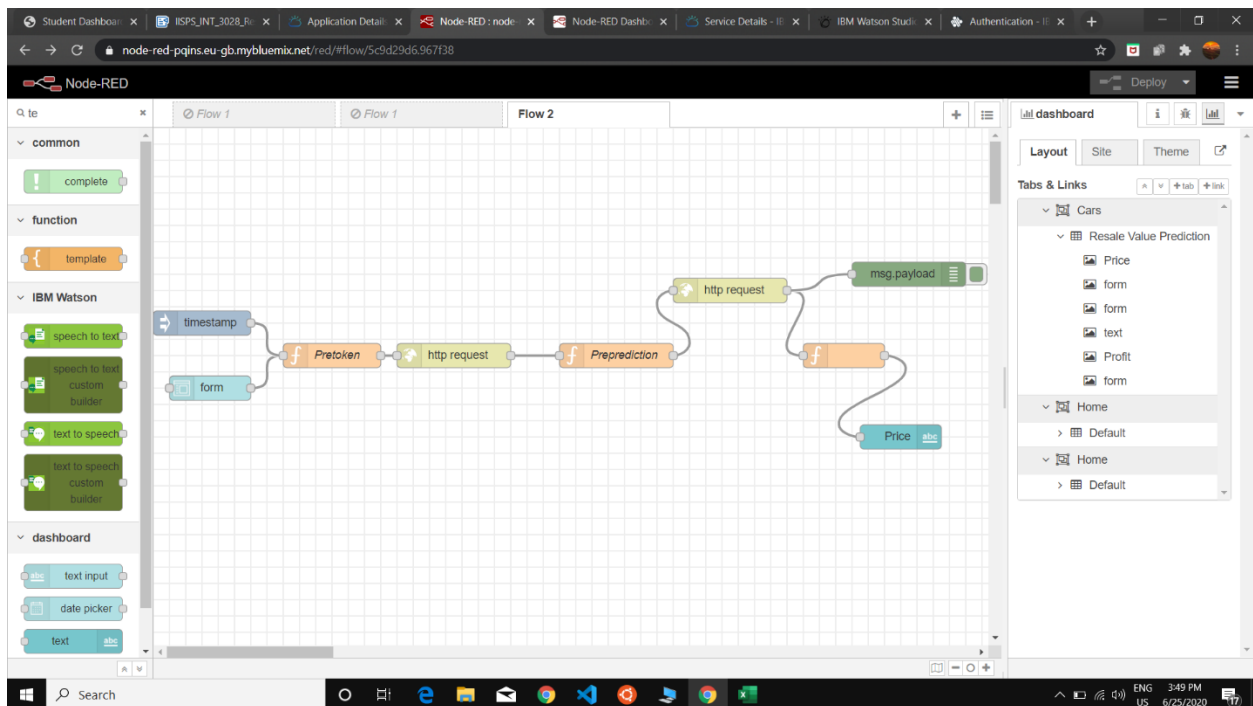
Node-RED is created:

The screenshot shows the Node-RED on IBM Cloud landing page. The browser address bar displays the URL: `node-red-pqins.eu-gb.mybluemix.net`. The page title is "Node-RED on IBM Cloud". The main content area has a red header with the text "Node-RED" and "Flow-based programming for the Internet of Things". Below the header, there is a section with text: "Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways. This instance is running as an IBM Cloud application, giving it access to the wide range of services available on the platform. More information about Node-RED, including documentation, can be found at nodered.org." To the right of this text, there is a button labeled "Go to your Node-RED flow editor" and a link labeled "Learn how to customise Node-RED". At the bottom of the page, there is a section titled "Customising your instance of Node-RED".

Installed Dashboard Nodes:



Node-Red UI:



Result:

Student Dashboard x ISPS_INT_3028_R x Application Detail x Node-RED: node x Node-RED Dash x Service Details x IBM Watson Studi x Authentication x

node-red-pqins.eu-gb.mybluemix.net/ui/#/D?socketid=WjY3cuM6dyrk0IsRAAAA

Cars

Resale Value Prediction

Price	3077.687066244619
dateCrawled	03/24/2016
name	BMW_323i
seller	privat
offerType	Angelbot
abtest	control
vehicle	limousine
yearOfRegistration	1999
gearBox	manuell
powerPS	170
model	3er
kilometer	150000
monthOfRegistration	2

Student Dashboard x ISPS_INT_3028_R x Application Detail x Node-RED: node x Node-RED Dash x Service Details x IBM Watson Studi x Authentication x

node-red-pqins.eu-gb.mybluemix.net/ui/#/D?socketid=WjY3cuM6dyrk0IsRAAAA

Cars

powerPS	170
model	3er
kilometer	150000
monthOfRegistration	2
fuelType	benzin
brand	audi
notRepairedDamage	nein
dateCreated	03/27/2016
nrOfPictures	0
postalCode	65343
lastSeen	03/11/2016

SUBMIT CANCEL

