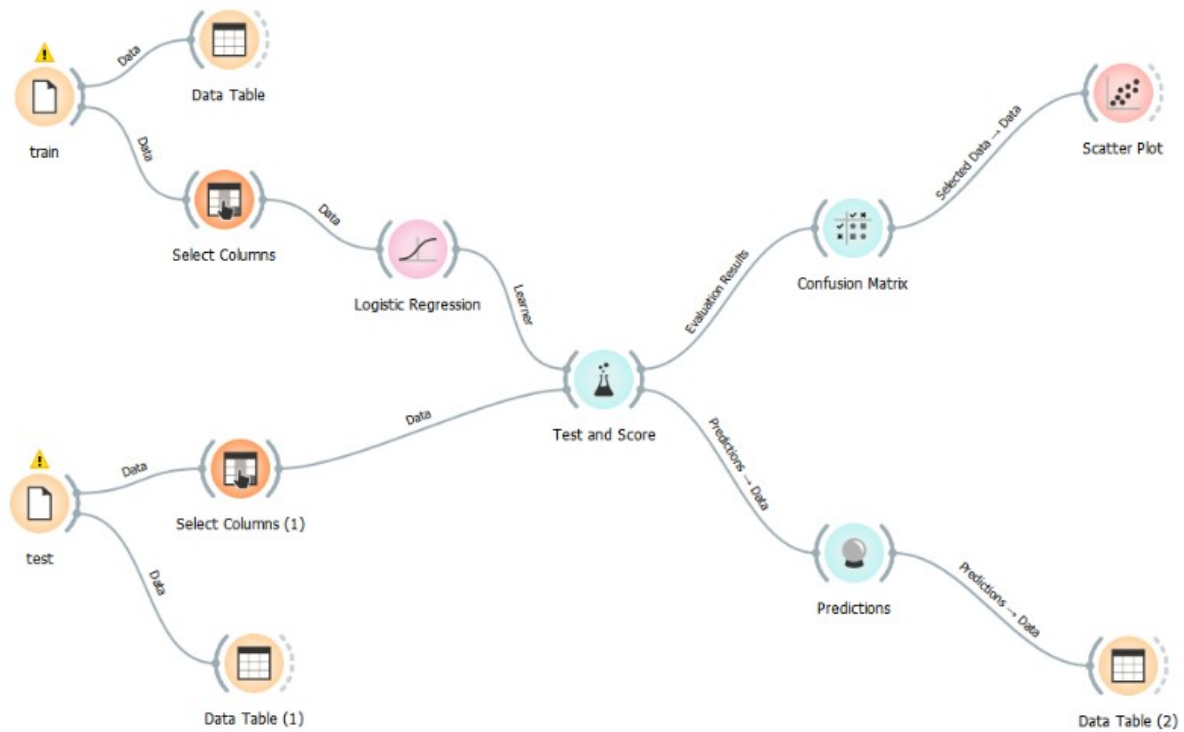


# گزارش

دانیال عطایی

شمای کلی از ترتیب و روند کار:



تصویر دیتای ترین:

Data Table - Orange

Info	Pregnancies	Glucose	BloodPressure	SkinThickness	Insulin	BMI	etesPedigreeFunc	Age	Outcome
14 instances (no missing data) 7 features No target variable. No meta attributes	581	0	146	82	0	40.5	1.781	44	0
Variables	582	4	114	64	0	28.9	0.126	24	0
<input checked="" type="checkbox"/> Show variable labels (if present)	583	6	125	76	0	33.8	0.121	54	1
<input type="checkbox"/> Visualize numeric values	584	2	90	80	14	24.4	0.249	24	0
<input checked="" type="checkbox"/> Color by instance classes	585	8	99	84	0	35.4	0.388	50	0
Selection	586	3	113	50	10	29.5	0.626	25	0
<input checked="" type="checkbox"/> Select full rows	587	9	134	74	33	25.9	0.460	81	0
	588	4	151	90	38	29.7	0.294	36	0
	589	7	106	60	24	26.5	0.296	29	1
	590	9	123	70	44	33.1	0.374	40	0
	591	1	119	54	13	22.3	0.205	24	0
	592	1	143	74	22	26.2	0.256	21	0
	593	2	89	90	30	33.5	0.292	42	0
	594	5	122	86	0	34.7	0.290	33	0
	595	0	128	68	19	30.5	1.391	25	1
	596	1	199	76	43	42.9	1.394	22	1
	597	4	173	70	14	29.7	0.361	33	1
	598	9	145	80	46	37.9	0.637	40	1
	599	1	122	90	51	49.7	0.325	31	1
	600	0	84	64	22	35.8	0.545	21	0
	601	2	100	68	25	38.5	0.324	26	0
	602	10	148	84	48	37.6	1.001	51	1
	603	8	118	72	19	23.1	1.476	46	0
	604	9	112	82	32	34.2	0.260	36	1
	605	0	74	52	10	27.8	0.269	22	0
	606	6	111	64	39	34.2	0.260	24	0
	607	11	138	74	26	36.1	0.557	50	1
	608	3	126	88	41	39.3	0.704	27	0
	609	2	122	76	27	35.9	0.483	26	0
	610	5	139	64	35	28.6	0.411	26	0
	611	1	96	122	0	22.4	0.207	27	0
	612	10	101	86	37	45.6	1.136	38	1
	613	0	141	0	0	42.4	0.205	29	1
	614	0	125	96	0	22.5	0.262	21	0

تصویر دیتای تست:

Data Table (1) - Orange

Info	Pregnancies	Glucose	BloodPressure	SkinThickness	Insulin	BMI	etesPedigreeFunc	Age	Outcome
154 instances (no missing data) 9 features No target variable. No meta attributes	121	1	105	58	0	24.3	0.187	21	0
Variables	122	2	100	70	52	40.5	0.677	25	0
<input checked="" type="checkbox"/> Show variable labels (if present)	123	9	119	80	35	29.0	0.263	29	1
<input type="checkbox"/> Visualize numeric values	124	1	90	62	18	25.1	1.268	25	0
<input checked="" type="checkbox"/> Color by instance classes	125	1	151	60	0	26.1	0.179	22	0
Selection	126	10	101	76	48	32.9	0.171	63	0
<input checked="" type="checkbox"/> Select full rows	127	10	115	0	0	0.0	0.261	30	1
	128	11	155	76	28	33.3	1.353	51	1
	129	11	135	0	0	52.3	0.578	40	1
	130	4	189	110	31	28.5	0.680	37	0
	131	8	183	64	0	23.3	0.672	32	1
	132	12	151	70	40	41.8	0.742	38	1
	133	1	109	60	8	25.4	0.947	21	0
	134	11	136	84	35	28.3	0.260	42	1
	135	1	181	78	42	40.0	1.258	22	1
	136	3	102	74	0	29.5	0.121	32	0
	137	8	120	86	0	28.4	0.259	22	1
	138	13	158	114	0	42.3	0.257	44	1
	139	7	150	78	29	35.2	0.692	54	1
	140	2	68	62	13	20.1	0.257	23	0
	141	2	112	66	22	25.0	0.307	24	0
	142	2	90	60	0	23.5	0.191	25	0
	143	2	139	75	0	25.6	0.167	29	0
	144	1	139	62	41	40.7	0.536	21	0
	145	0	93	60	0	35.3	0.263	25	0
	146	8	84	74	31	38.3	0.457	39	0
	147	5	85	74	22	29.0	1.224	32	1
	148	1	73	50	10	23.0	0.248	21	0
	149	4	112	78	40	39.4	0.236	38	0
	150	9	165	88	0	30.4	0.302	49	1
	151	1	77	56	30	33.3	1.251	24	0
	152	8	95	72	0	36.8	0.485	57	0
	153	2	146	70	38	28.0	0.337	29	1
	154	8	74	70	40	35.3	0.705	39	0

تصویر قسمت انتخاب کردن ستون ها برای هر دو داده:

Ignored

Filter

Features

Filter

N Pregnancies

N Glucose

N BloodPressure

N SkinThickness

N Insulin

C BMI

N DiabetesPedigreeFunction

N Age

Target

C Outcome

Metas

Reset

☐ Ignore new variables by default

☐ Save to new file


تصویر مربوط به قسمت رگرسیون:

Name

Logistic Regression

Regularization type: Ridge (L2) ▾






Strength:

Weak  Strong

C=1

☐ Balance class distribution

☒ Apply Automatically

? |  |  614 | - |  233 |  | 

نتایج مربوط به تست و اسکور:

☒ Cross validation

Number of folds: 5

☒ Stratified

☐ Cross validation by feature

☐ Random sampling

Repeat train/test: 10

Training set size: 66 %

☒ Stratified

☐ Leave one out

☐ Test on train data

☐ Test on test data

Evaluation results for target (None, show average over classes)

Model	AUC	CA	F1	Precision	Recall
Logistic Regression	0.808	0.786	0.783	0.783	0.786

Compare models by: Area under ROC curve

☐ Negligible diff.: 0.1

	Logistic ...
Logistic Regression	

Table shows probabilities that the score for the model in the row is higher than that of the model in the column. Small numbers show the probability that the difference is negligible.

ماتریس کانفیوژن:

Learners

Logistic Regression

☒ Predictions ☐ Probabilities

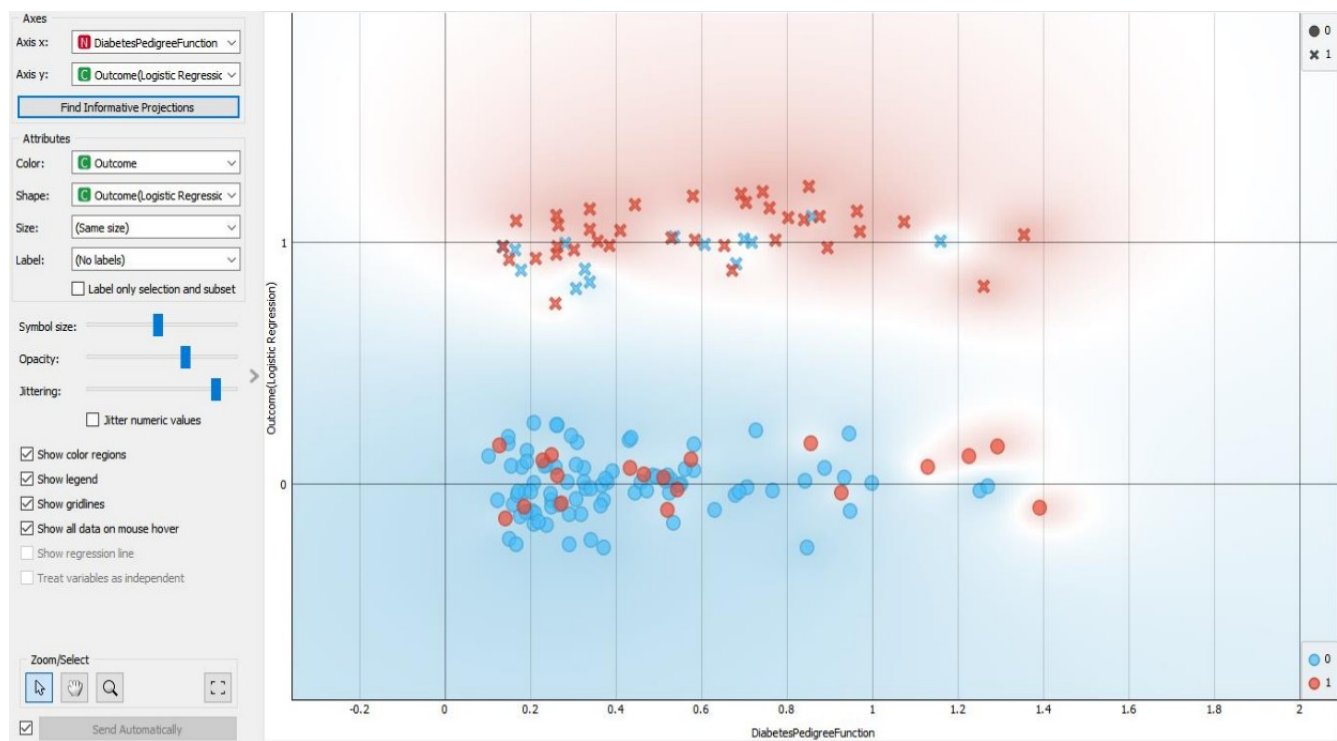
☒ Apply Automatically

Show: Number of instances

		Predicted		$\Sigma$
		0	1	
Actual	0	85	14	99
	1	19	36	55
$\Sigma$		104	50	154

Select Correct Select Misclassified Clear Selection

تصویر مربوط به اسکتر پلات:



و در نهایت نتایج پیشبینی:



Outcome	logistic Regression	gistic Regression	gistic Regression	Fold	Pregnancies	Glucose	BloodPressure	SkinThickness	Insulin	BMI	etesPedigreeFunc	Age ^
0	1	0.483099	0.516901	1	8	107	80	0	0	24.6	0.856	34
0	1	0.42883	0.57117	1	4	154	72	29	126	31.3	0.338	37
0	0	0.879028	0.120972	1	5	147	78	0	0	33.7	0.218	65
1	1	0.424022	0.575978	1	4	183	0	0	0	28.4	0.212	36
1	0	0.718522	0.281478	1	0	140	65	26	130	42.6	0.431	24
0	0	0.953276	0.0467237	1	5	104	74	0	0	28.8	0.153	48
0	1	0.270078	0.729922	1	13	106	72	54	0	36.6	0.178	45
1	1	0.103805	0.896195	1	4	184	78	39	277	37.0	0.264	31
0	0	0.947243	0.0527566	1	2	109	92	0	0	42.7	0.845	54
1	0	0.944416	0.0555837	1	0	131	0	0	0	43.2	0.270	26
0	0	0.957859	0.042141	1	1	135	54	0	0	26.7	0.687	62
0	0	0.871985	0.128015	1	6	92	92	0	0	19.9	0.188	28
1	1	0.147821	0.852179	1	9	145	88	34	165	30.3	0.771	53
0	0	0.946749	0.0532513	1	3	74	68	28	45	29.7	0.293	23
0	0	0.827348	0.172652	1	2	122	70	27	0	36.8	0.340	27
0	0	0.555938	0.444062	1	0	147	85	54	0	42.8	0.375	24
0	1	0.107488	0.892512	1	7	150	66	42	342	34.7	0.718	42
0	0	0.935149	0.0648509	1	5	103	108	37	0	39.2	0.305	65
0	0	0.851931	0.148069	1	3	96	56	34	115	24.7	0.944	39
0	0	0.830172	0.169828	1	0	117	66	31	188	30.8	0.493	22
0	0	0.975284	0.0247156	1	2	75	64	24	55	29.7	0.370	33
0	0	0.815448	0.184552	1	0	119	64	18	92	34.9	0.725	23
1	1	0.447219	0.552781	1	2	124	68	28	205	32.9	0.875	30
1	0	0.789507	0.210493	1	8	120	0	0	0	30.0	0.183	38
0	0	0.619787	0.380213	1	10	101	76	48	180	32.9	0.171	63
1	0	0.622092	0.377908	1	10	115	0	0	0	0.0	0.261	30
1	1	0.0153822	0.984618	1	11	155	76	28	150	33.3	1.353	51

این داکيومنت با نرم افزار جایگزین ورد تو لینوکس تهیه شده برای همین یکم ممکنه بهم ریخته باشه ببخشید خلاصه