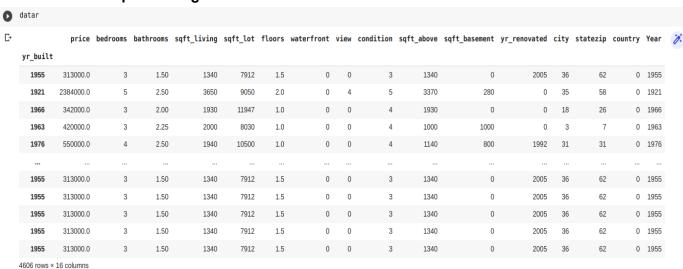
Regression with Shap Explainer

• Data 1 : Duplicate Regression data

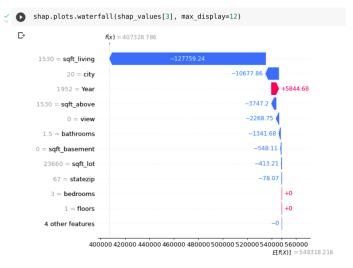


Waterfall Charts

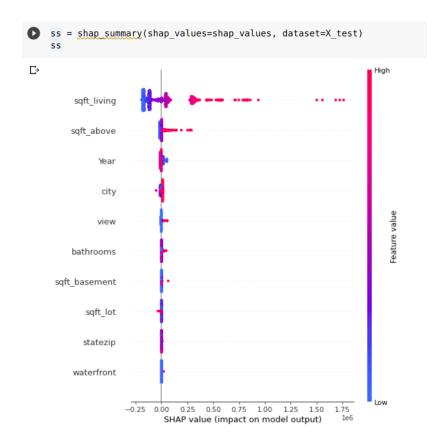
• For first instance in test data:



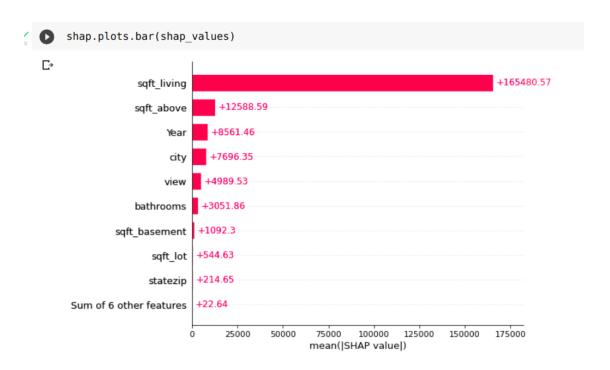
• For third instance in test data:



• Summary Plots of Feature Importance :



• Bar Plot For Feature Importance:

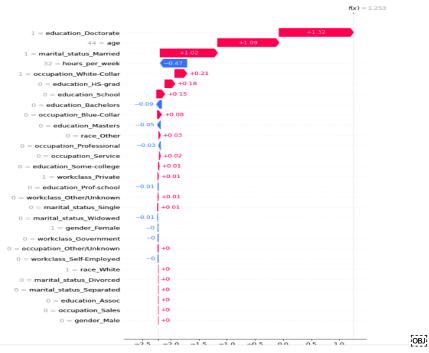


Classification with Shap Explainer

Data: Income.csv

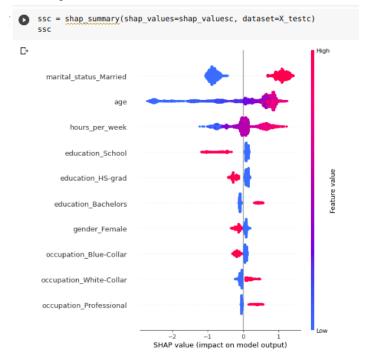
Data Description:

Waterfall Plots for first and 2000 th instance of the test data:



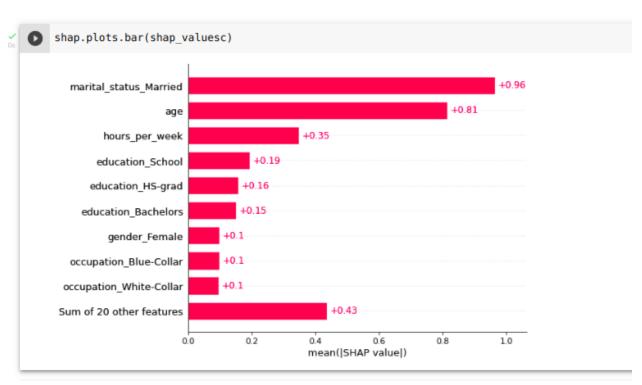


• Summary Plot:



•

Bar Plot



Counterfactuals generation

Mace for CounterFactual Generation on income data

• Data 1: Fintech data

• Model: KNN

#	ОРМ	debt_ratio	odebt_to_e	operity ables	TAcnovets	R5RSeivabl	e O⊺pern over	Volume	label
Query	11.47	0.08	0.33	16.61	5.45	15.36	8006.0	23798.0	-1
CF 1	11.47	0.08	0.33	16.61	5.45	15.36	7192.6875	23798.0	1
CF 2	11.47	0.0794	0.33	16.61	5.45	15.36	7192.6875	23798.0	1
CF 3	11.47	0.08	0.3094	16.61	5.45	15.36	7192.6875	23798.0	1
CF 4	11.47	0.08	0.33	16.7938	5.4944	15.36	8006.0	25551.718	81
CF 5	11.6856	0.08	0.33	16.5831	5.45	15.5375	8006.0	17150.375	1

• Model : D.Tree

#	tic	ОРМ	debt_	rdelut_	tR <u>.</u> A⊄	ı İt yA.T.	. A ur_ra	a tjø ick _.	_ havi en	tiearyait	i i i i i i i i i i i i i i i i i i i	niii Ba viec	гОріма	b Ae ljT0	hittoskemla k	oel
Query	8.0	11.47	80.0	0.33	72.24	19.0	1.26	0.0	0.0	16.61	5.45	2456.0	08006.	026.61	5 2 3798. D	
CF 1	8.0	11.47	80.0	0.33	72.24	19.0	1.26	0.0	0.0	16.61	5.45	2456.0	08006.	026.61	5186960.811	25
CF 2	8.0	11.47	0.08	0.33	72.24	18.98	44.26	0.0	0.0	16.61	5.45	2456.0	08006.	026.61	5186960.811	25
CF 3	8.0	11.398	8 0 .08	0.33	72.24	19.0	1.26	0.0	0.0	16.61	5.45	2456.0	08006.	026.61	5186960.81	25
CF 4	14.93	75 1.47	0.075	0.33	72.24	19.0	1.272	80.035	0.2659	916.61	5.45	2336.0	012058	3.22.07	8 2 3798. 0	
CF 5	8.0	11.47	0.757	51.456	273.27	0169.0	1.26	0.0297	70.2659	916.31	5.4738	81650.	1 26 06.	026.27	2 8 3798. 0 1	

• Model: LGBM

#	R.A.T.A	Accounts Rec	ei 0 peh e Turnov	e A dj Close	Volume	label
Query	19.0	5.45	8006.0	26.6153	23798.0	1
CF 1	19.0	5.45	12346.0	57.7759	38537.0	-1
CF 2	19.6725	6.965	8023.5625	47.389	38537.0	-1
CF 3	19.0	6.965	14082.0	44.7923	43450.0	-1

• Model : Logistic

#	tic	DYCSN	debt_ra	tile bt_to	_Reafuits)\	IR.A.T.A	cur_rat	i & ccoun	t ElRS ecei	waabile Tu	ı⊯kooljv€hosbabel
Query	8.0	0.0	0.08	0.33	72.24	19.0	1.26	5.45	15.36	2456.0	26.6153 1
CF 1	8.0	0.0	0.08	0.33	72.24	19.0	1.26	5.45	15.36	0.0	26.6153 -1
CF 2	8.0	0.0	0.08	0.3094	72.24	19.0	1.26	5.45	15.36	0.0	26.6153 -1
CF 3	9.0625	0.0	80.0	0.33	72.24	19.0	1.26	5.45	15.36	0.0	26.6153 -1
CF 4	8.0	0.1053	1.5731	0.33	68.4312	18.2975	1.2738	5.1094	14.4	2456.0	1450.5705