

Data search report

Datetime: 2023-11-12 11:49 UTC  
Search ID: 75e17b72-a884-4c10-911e-82c06c1ab859  
Initiator: demo\_user@upgini.com

This report was generated automatically by Upgini.

The report shows a listing of relevant features for your ML task and accuracy metrics after enrichment.

All relevant features. Accuracy after enrichment

Dataset type	Rows	Mean target	Baseline mean_squared_error	Enriched mean_squared_error	Uplift
Train	15148	49.9541	309.9905	199.6989	110.2916
Eval 1	3739	58.0011	509.2897	413.8654	95.4244

Relevant data sources

Provider	Source	All features SHAP	Number of relevant features	
<a href="#">Upgini</a>	AutoFE: features from <a href="#">Calendar data</a>	0.1341	15	<a href="#">Request a quote</a>
<a href="#">Upgini</a>	<a href="#">Weather &amp; climate normals data</a>	0.0337	10	<a href="#">Request a quote</a>
<a href="#">Upgini</a>	AutoFE: features from <a href="#">Calendar data</a> , <a href="#">Markets data</a>	0.0182	17	<a href="#">Request a quote</a>
<a href="#">Upgini</a>	<a href="#">Markets data</a>	0.0037	6	<a href="#">Request a quote</a>
<a href="#">Upgini</a>	AutoFE: features from <a href="#">Markets data</a>	0.0029	7	<a href="#">Request a quote</a>
<a href="#">Upgini</a>	<a href="#">World economic indicators</a>	0.0007	4	<a href="#">Request a quote</a>
<a href="#">Upgini</a>	AutoFE: feature from <a href="#">Markets data</a>	0.0004	1	<a href="#">Request a quote</a>
<a href="#">Upgini</a>	<a href="#">Calendar data</a>	0.0002	1	<a href="#">Request a quote</a>

All relevant features. Listing

Feature name	SHAP value	Coverage %	Value preview	Provider	Source	Feature type
f_autofe_max_1050	0.0567	100.0000	0.0043, 0.9928, 0.7041	Upgini	AutoFE: features from <a href="#">Calendar data</a>	Free
f_autofe_min_268	0.0504	100.0000	0.3416, -0.9937, -0.9963	Upgini	AutoFE: features from <a href="#">Calendar data</a>	Free
f_autofe_max_1129	0.0204	100.0000	-0.7441, 0.2926, -0.5632	Upgini	AutoFE: features from <a href="#">Calendar data</a>	Free
f_weather_date_weather_um ap_47_5123ef0a	0.0100	100.0000	6.0161, 5.2563, 5.7894	Upgini	Weather & climate normals data	Premium
f_weather_date_weather_um ap_48_b39cd0c4	0.0097	100.0000	4.7885, 4.8001, 5.1111	Upgini	Weather & climate normals data	Premium
f_weather_date_weather_um ap_31_fa6d9a99	0.0080	100.0000	5.2673, 5.1028, 4.9243	Upgini	Weather & climate normals data	Premium
f_autofe_min_291	0.0053	100.0000	0.46, -0.015, -0.125	Upgini	AutoFE: features from <a href="#">Calendar data</a> , <a href="#">Markets data</a>	Free
f_autofe_div_1999	0.0028	100.0000	-0.0047, -0.0089, -0.0131	Upgini	AutoFE: features from <a href="#">Calendar data</a> , <a href="#">Markets data</a>	Free
f_financial_date_gold_7d_ to_1y_ae310379	0.0024	100.0000	0.8536, 1.0371, 0.9613	Upgini	Markets data	Free
f_weather_date_weather_um ap_34_c3ef5b4f	0.0024	100.0000	4.9938, 4.7376, 5.2415	Upgini	Weather & climate normals data	Premium
f_weather_date_weather_pc a_0_d7e0a1fc	0.0021	100.0000	23.7707, -28.2438, 28.1952	Upgini	Weather & climate normals data	Premium
f_autofe_div_2039	0.0020	100.0000	0.7935, 0.2038, 0.2353	Upgini	AutoFE: features from <a href="#">Calendar data</a> , <a href="#">Markets data</a>	Free

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f_autofe_min_303	0.0018	100.0000	0.09, 0.17, 0.16	Upgini	AutoFE: features from <a href="#">Calendar data</a> , <a href="#">Markets data</a>	Free
f_autofe_min_274	0.0013	100.0000	-0.7962, -0.7221, -0.1967	Upgini	AutoFE: features from <a href="#">Calendar data</a>	Free
f_autofe_div_2637	0.0012	100.0000	0.002, 0.0029, 0.0036	Upgini	AutoFE: features from <a href="#">Markets data</a>	Free
f_autofe_max_1056	0.0011	100.0000	0.8406, 0.238, 0.1287	Upgini	AutoFE: features from <a href="#">Calendar data</a>	Free
f_autofe_min_312	0.0010	100.0000	-0.8297, -0.8977, -0.0645	Upgini	AutoFE: features from <a href="#">Calendar data</a>	Free
f_autofe_div_2037	0.0010	100.0000	-0.0109, -0.0082, -0.0154	Upgini	AutoFE: features from <a href="#">Calendar data</a> , <a href="#">Markets data</a>	Free
f_autofe_min_188	0.0008	100.0000	-0.901, -0.7818, -0.901	Upgini	AutoFE: features from <a href="#">Calendar data</a>	Free
f_autofe_max_1130	0.0007	100.0000	0.9906, 0.9163, 0.2926	Upgini	AutoFE: features from <a href="#">Calendar data</a>	Free
f_weather_date_weather_um ap_7_6ef8b038	0.0007	100.0000	3.2078, 3.6288, 4.181	Upgini	Weather & climate normals data	Premium
f_autofe_max_1457	0.0007	100.0000	0.9192, 0.789, 1.0441	Upgini	AutoFE: features from <a href="#">Calendar data</a> , <a href="#">Markets data</a>	Free
f_autofe_min_644	0.0006	100.0000	1.0078, 1.0046, 0.7274	Upgini	AutoFE: features from <a href="#">Markets data</a>	Free
f_autofe_min_300	0.0006	100.0000	0.29, 0.12, -0.69	Upgini	AutoFE: features from <a href="#">Calendar data</a> , <a href="#">Markets data</a>	Free
f_autofe_min_330	0.0005	100.0000	-0.038, 0.101, -0.3172	Upgini	AutoFE: features from <a href="#">Calendar data</a> , <a href="#">Markets data</a>	Free
f_autofe_div_2038	0.0005	100.0000	0.4465, -0.082, 0.6657	Upgini	AutoFE: features from <a href="#">Calendar data</a> , <a href="#">Markets data</a>	Free
f_autofe_div_1961	0.0005	100.0000	-0.8055, 0.5713, 0.5154	Upgini	AutoFE: features from <a href="#">Calendar data</a> , <a href="#">Markets data</a>	Free
f_autofe_max_1074	0.0005	100.0000	0.335, 0.152, 0.172	Upgini	AutoFE: features from <a href="#">Calendar data</a> , <a href="#">Markets data</a>	Free
f_autofe_min_329	0.0004	100.0000	0.018, 0.342, -0.285	Upgini	AutoFE: features from <a href="#">Calendar data</a> , <a href="#">Markets data</a>	Free
f_autofe_max_1135	0.0004	100.0000	0.8745, -0.4094, -0.9176	Upgini	AutoFE: features from <a href="#">Calendar data</a>	Free
f_autofe_min_189	0.0004	100.0000	0.4975, -0.901, -0.8529	Upgini	AutoFE: features from <a href="#">Calendar data</a>	Free
f_autofe_div_2000	0.0004	100.0000	0.4124, -0.3859, -0.4461	Upgini	AutoFE: features from <a href="#">Calendar data</a> , <a href="#">Markets data</a>	Free
f_financial_date_usd_eur_7d_to_1y_autofe_residual_181	0.0004	100.0000	0.9555, 0.93, 0.9976	Upgini	AutoFE: feature from <a href="#">Markets data</a>	Free
f_weather_date_weather_um ap_33_89bb7578	0.0004	100.0000	4.9371, 4.8373, 5.0835	Upgini	Weather & climate normals data	Premium
f_autofe_min_269	0.0004	100.0000	0.7147, 0.6649, -0.9497	Upgini	AutoFE: features from <a href="#">Calendar data</a>	Free
f_financial_date_stoxx_04 3cbcd4	0.0003	100.0000	294.8, 331.61, 381.42	Upgini	Markets data	Free
f_financial_date_nasdaq_7 d_to_1y_b00bfaa7	0.0003	100.0000	1.0557, 1.1348, 1.1515	Upgini	Markets data	Free
f_financial_date_natural_gas_7d_to_7d_1y_shift_a5c 3c07f	0.0003	100.0000	0.7774, 0.9115, 1.0861	Upgini	Markets data	Free
f_financial_date_usd_eur_7d_to_1y_200e4902	0.0003	100.0000	0.975, 0.9921, 0.9796	Upgini	Markets data	Free
f_economic_date_cbpol_uma p_4_c5ce4e90	0.0003	100.0000	3.6526, -2.9079, 8.493	Upgini	World economic indicators	Free
f_autofe_min_306	0.0003	100.0000	0.53, -0.25, -0.16	Upgini	AutoFE: features from <a href="#">Calendar data</a> , <a href="#">Markets data</a>	Free

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f_autofe_div_2368	0.0003	100.0000	1.1109, 0.7207, 0.6363	Upgini	AutoFE: features from <a href="#">Markets data</a>	Free
f_autofe_div_1921	0.0003	100.0000	0.5489, -0.7894, 0.9815	Upgini	AutoFE: features from <a href="#">Calendar data</a> , <a href="#">Markets data</a>	Free
f_autofe_div_2648	0.0003	100.0000	1.0613, 1.2402, 0.8479	Upgini	AutoFE: features from <a href="#">Markets data</a>	Free
f_autofe_max_1087	0.0003	100.0000	0.7762, 0.9071, 1.2243	Upgini	AutoFE: features from <a href="#">Calendar data</a> , <a href="#">Markets data</a>	Free
f_autofe_min_606	0.0003	100.0000	-0.2046, -0.7909, -0.28	Upgini	AutoFE: features from <a href="#">Calendar data</a> , <a href="#">Markets data</a>	Free
f_economic_date_cbpol_pca_2_33d6e3fc	0.0002	100.0000	-0.9588, 0.9139, 1.6651	Upgini	World economic indicators	Free
f_autofe_div_2506	0.0002	100.0000	1.1035, 1.1406, 1.2406	Upgini	AutoFE: features from <a href="#">Markets data</a>	Free
f_autofe_min_311	0.0002	100.0000	-0.2464, -0.9997, -0.5221	Upgini	AutoFE: features from <a href="#">Calendar data</a>	Free
f_events_date_year_cos1_9014a856	0.0002	100.0000	-0.8475, 0.7397, -0.6187	Upgini	Calendar data	Free
f_weather_date_weather_ump_1_68679173	0.0002	100.0000	6.6709, 4.1664, -1.395	Upgini	Weather & climate normals data	Premium
f_autofe_max_1736	0.0002	100.0000	0.9575, 1.3277, 1.2088	Upgini	AutoFE: features from <a href="#">Markets data</a>	Free
f_weather_date_weather_pca_1_9e4af931	0.0001	100.0000	0.0428, -3.5307, 2.7895	Upgini	Weather & climate normals data	Premium
f_autofe_min_653	0.0001	100.0000	0.7193, 1.1317, 1.1563	Upgini	AutoFE: features from <a href="#">Markets data</a>	Free
f_weather_date_weather_ump_22_0342ee9e	0.0001	100.0000	5.2377, 5.3628, 5.1236	Upgini	Weather & climate normals data	Premium
f_economic_date_cci_pca_5_b433b3c8	0.0001	100.0000	6.8386, 0.4812, -1.7901	Upgini	World economic indicators	Free
f_economic_date_cbpol_pca_9_bde660b4	0.0001	100.0000	0.1723, -2.3872, -2.1485	Upgini	World economic indicators	Free
f_financial_date_nasdaq_7d_to_7d_1y_shift_4a4dd6ce	0.0001	100.0000	1.2961, 1.1807, 1.2059	Upgini	Markets data	Free
f_autofe_max_1055	0.0001	100.0000	0.9701, -0.1369, -0.4471	Upgini	AutoFE: features from <a href="#">Calendar data</a>	Free
f_autofe_max_1315	0.0001	100.0000	-0.5197, 0.6002, 0.7101	Upgini	AutoFE: features from <a href="#">Calendar data</a>	Free
f_autofe_max_1134	0.0001	100.0000	0.9263, 0.8996, -0.6933	Upgini	AutoFE: features from <a href="#">Calendar data</a>	Free

Description of AutoFE feature names

Sources	Feature name	Feature 1	Feature 2	Function
<a href="#">Calendar data</a> , <a href="#">Markets data</a>	f_autofe_div_1921	f_events_date_week_cos1_f6a8c1fc	f_financial_date_crude_oil_7d_to_1y_c3e0ad17	div
<a href="#">Calendar data</a> , <a href="#">Markets data</a>	f_autofe_div_1961	f_events_date_week_cos3_7525fe31	f_financial_date_crude_oil_7d_to_1y_c3e0ad17	div
<a href="#">Calendar data</a> , <a href="#">Markets data</a>	f_autofe_div_1999	f_events_date_week_sin1_847b5db1	f_financial_date_crude_oil_1f195998	div
<a href="#">Calendar data</a> , <a href="#">Markets data</a>	f_autofe_div_2000	f_events_date_week_sin1_847b5db1	f_financial_date_crude_oil_7d_to_1y_c3e0ad17	div
<a href="#">Calendar data</a> , <a href="#">Markets data</a>	f_autofe_div_2037	f_events_date_year_cos1_9014a856	f_financial_date_crude_oil_1f195998	div
<a href="#">Calendar data</a> , <a href="#">Markets data</a>	f_autofe_div_2038	f_events_date_year_cos1_9014a856	f_financial_date_crude_oil_7d_to_1y_c3e0ad17	div
<a href="#">Calendar data</a> , <a href="#">Markets data</a>	f_autofe_div_2039	f_events_date_year_cos1_9014a856	f_financial_date_crude_oil_7d_to_7d_1y_shift_7b139ef	div
<a href="#">Markets data</a>	f_autofe_div_2368	f_financial_date_crude_oil_7d_to_1y_c3e0ad17	f_financial_date_nasdaq_7d_to_7d_1y_shift_4a4dd6ce	div
<a href="#">Markets data</a>	f_autofe_div_2506	f_financial_date_nasdaq_7d_to_7d_1y_shift_4a4dd6ce	f_financial_date_stoxx_7d_to_1y_2ea815f4	div
<a href="#">Markets data</a>	f_autofe_div_2637	f_financial_date_silver_7d_to_7d_1y_shift_55fa8001	f_financial_date_stoxx_043cbcd4	div
<a href="#">Markets data</a>	f_autofe_div_2648	f_financial_date_silver_7d_to_7d_1y_shift_55fa8001	f_financial_date_vix_7d_to_1y_634c77eb	div

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<a href="#">Calendar data</a>	f_autofe_max_1050	f_events_date_week_cos1_f6a8c1fc	f_events_date_year_cos1_9014a856	max
<a href="#">Calendar data</a>	f_autofe_max_1055	f_events_date_week_cos1_f6a8c1fc	f_events_date_year_sin1_3c44bc64	max
<a href="#">Calendar data</a>	f_autofe_max_1056	f_events_date_week_cos1_f6a8c1fc	f_events_date_year_sin2_59955ffd	max
<a href="#">Calendar data,Markets data</a>	f_autofe_max_1074	f_events_date_week_cos1_f6a8c1fc	f_financial_date_silver_gap_f5b63f5b	max
<a href="#">Calendar data,Markets data</a>	f_autofe_max_1087	f_events_date_week_cos1_f6a8c1fc	f_financial_date_vix_7d_to_1y_634c77eb	max
<a href="#">Calendar data</a>	f_autofe_max_1129	f_events_date_week_sin1_847b5db1	f_events_date_year_cos1_9014a856	max
<a href="#">Calendar data</a>	f_autofe_max_1130	f_events_date_week_sin1_847b5db1	f_events_date_year_cos2_7acba1b	max
<a href="#">Calendar data</a>	f_autofe_max_1134	f_events_date_week_sin1_847b5db1	f_events_date_year_sin1_3c44bc64	max
<a href="#">Calendar data</a>	f_autofe_max_1135	f_events_date_week_sin1_847b5db1	f_events_date_year_sin2_59955ffd	max
<a href="#">Calendar data</a>	f_autofe_max_1315	f_events_date_year_cos6_7c1806a3	f_events_date_year_sin2_59955ffd	max
<a href="#">Calendar data,Markets data</a>	f_autofe_max_1457	f_events_date_year_sin7_16d9d7c9	f_financial_date_silver_7d_to_7d_1y_shift_55fa8901	max
<a href="#">Markets data</a>	f_autofe_max_1736	f_financial_date_natural_gas_7d_to_7d_1y_shift_55fa8901	f_financial_date_vix_7d_to_1y_634c77eb	max
<a href="#">Calendar data</a>	f_autofe_min_188	f_events_date_week_cos1_f6a8c1fc	f_events_date_week_sin1_847b5db1	min
<a href="#">Calendar data</a>	f_autofe_min_189	f_events_date_week_cos1_f6a8c1fc	f_events_date_year_cos1_9014a856	min
<a href="#">Calendar data</a>	f_autofe_min_268	f_events_date_week_sin1_847b5db1	f_events_date_year_cos1_9014a856	min
<a href="#">Calendar data</a>	f_autofe_min_269	f_events_date_week_sin1_847b5db1	f_events_date_year_cos2_7acba1b	min
<a href="#">Calendar data</a>	f_autofe_min_274	f_events_date_week_sin1_847b5db1	f_events_date_year_sin2_59955ffd	min
<a href="#">Calendar data,Markets data</a>	f_autofe_min_291	f_events_date_week_sin1_847b5db1	f_financial_date_silver_daydiff_25cf4951	min
<a href="#">Calendar data,Markets data</a>	f_autofe_min_300	f_events_date_week_sin1_847b5db1	f_financial_date_usd_daydiff_8bcddeec4	min
<a href="#">Calendar data,Markets data</a>	f_autofe_min_303	f_events_date_week_sin1_847b5db1	f_financial_date_usd_gap_615a0ec0	min
<a href="#">Calendar data,Markets data</a>	f_autofe_min_306	f_events_date_week_sin1_847b5db1	f_financial_date_vix_gap_b64bd2b9	min
<a href="#">Calendar data</a>	f_autofe_min_311	f_events_date_year_cos1_9014a856	f_events_date_year_sin1_3c44bc64	min
<a href="#">Calendar data</a>	f_autofe_min_312	f_events_date_year_cos1_9014a856	f_events_date_year_sin2_59955ffd	min
<a href="#">Calendar data,Markets data</a>	f_autofe_min_329	f_events_date_year_cos1_9014a856	f_financial_date_silver_daydiff_25cf4951	min
<a href="#">Calendar data,Markets data</a>	f_autofe_min_330	f_events_date_year_cos1_9014a856	f_financial_date_silver_gap_f5b63f5b	min
<a href="#">Calendar data,Markets data</a>	f_autofe_min_606	f_events_date_year_sin7_16d9d7c9	f_financial_date_usd_daydiff_8bcddeec4	min
<a href="#">Markets data</a>	f_autofe_min_644	f_financial_date_crude_oil_7d_to_1y_c3e0ad17	f_financial_date_gold_7d_to_1y_ae310379	min
<a href="#">Markets data</a>	f_autofe_min_653	f_financial_date_crude_oil_7d_to_1y_c3e0ad17	f_financial_date_silver_7d_to_7d_1y_shift_55fa8901	min
AutoFE: feature from <a href="#">Markets data</a>	f_financial_date_usd_eur_7d_to_1y_autofe_residual_55fa8901	f_financial_date_usd_eur_7d_to_1y_200e4902		

To buy found data sources, please contact: [sales@upgini.com](mailto:sales@upgini.com)

Best regards,  
Upgini Team