UPGINI

Data search report

This report was generated automatically by Upgini.

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

The following primary keys was used for data search: ['SearchKey.DATE']

All relevant features. Accuracy after enrichment

Dataset type	Rows	Mean target	Baseline mean_squared_error	Enriched mean_squared_error	Uplift
Train	15213	50.3977	301.4672	198.6175	102.8497
Eval 1	3787	59.2424	486.0393	354.7716	131.2677

Relevant data sources

Provider	Source	All features SHAP	Number of relevant features	
Upgini	AutoFE: features from Calendar data,Markets data	0.1407	39	Request a quote
Upgini	AutoFE: features from Markets data	0.0178	14	Request a quote
Upgini	AutoFE: features from Calendar data	0.0147	9	Request a quote
Upgini	Calendar data	0.0133	4	Request a quote
Upgini	Markets data	0.0028	11	Request a quote
Upgini	World economic indicators	0.0011	6	Request a quote

All relevant features. Listing (83 items)

Feature name	SHAP value	Coverage %	Value preview	Provider	Source	Updates
f_autofe_div_09412fe1	0.0239	100.0000	-0.6178, 0.465, -0.5818	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_mul_3f4a1860	0.0212	100.0000	0.0444, 0.1419, 0.5483	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_div_89c56a5f	0.0146	100.0000	1.7842, 0.0372, -1.2972	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_div_e04998cf	0.0145	100.0000	-0.6777, 0.9716, -0.4159	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_events_date_year_cos1_9014a856	0.0130	100.0000	-0.6321, 0.9963, -0.3335	Upgini	Calendar data	Daily
f_autofe_div_0a5adf97	0.0117	100.0000	0.0906, -0.13, -0.1812	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_div_50a5dcaf	0.0090	100.0000	0.7785, 0.6861, -1.5158	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_div_b97cf188	0.0079	85.4664	1.437, -1.437, -0.9241	Upgini	AutoFE: features from Calendar data	Daily
f_autofe_div_a66c2b64	0.0066	100.0000	0.0004, 0.0003, -0.0004	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_div_0dcebab1	0.0061	100.0000	1.0294, 0.9964, 1.0374	Upgini	AutoFE: features from Markets data	Daily
f_autofe_div_cf5dd7be	0.0058	100.0000	-0.942, 1.0886, -0.4599	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_div_3e22df83	0.0045	100.0000	0.0102, 0.0139, -0.0264	Upgini	AutoFE: features from Calendar data,Markets data	Daily

f_autofe_div_abde95f5	0.0044	100.0000	-1.1527, 0.7649, 0.7425	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_div_49ee8368	0.0034	100.0000	0.0005, 0.0004, 0.0006	Upgini	AutoFE: features from Markets data	Daily
f_autofe_mul_6234ba3a	0.0034	100.0000	0.8509, 0.9036, 0.6852	Upgini	AutoFE: features from Markets data	Daily
f_autofe_mul_08e89348	0.0032	100.0000	-76.5022, 45.6042, -73.2185	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_mul_af6d166b	0.0027	100.0000	-0.2024, -0.2354, -0.2097	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_mul_25296268	0.0022	100.0000	0.856, 0.4409, -0.3595	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_mul_7b115967	0.0022	100.0000	-0.8416, 1.033, -0.1906	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_financial_date_snp500_fdb64447	0.0018	100.0000	2190.1499, 1865.62, 1614.96	Upgini	Markets data	Daily
f_autofe_mul_0cc09d2d	0.0017	100.0000	-30.7573, 53.6701, -97.9774	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_div_effd1e0b	0.0017	100.0000	2199.6556, 2139.5638, 1918.296...	Upgini	AutoFE: features from Markets data	Daily
f_autofe_div_ba625fe9	0.0016	100.0000	0.4508, -1.086, -0.5397	Upgini	AutoFE: features from Calendar data	Daily
f_autofe_div_7eba89b2	0.0015	85.4664	0.5129, 0.5129, -1.1524	Upgini	AutoFE: features from Calendar data	Daily
f_autofe_mul_5feff686	0.0014	100.0000	-0.5369, -0.25, -0.7868	Upgini	AutoFE: features from Calendar data	Daily
f_autofe_div_86414197	0.0014	100.0000	-0.2332, -0.2233, 0.8522	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_mul_275f1bc7	0.0012	100.0000	0.6846, -0.8919, -0.6991	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_mul_4c9c7d0a	0.0011	100.0000	0.7441, 0.6543, 1.633	Upgini	AutoFE: features from Markets data	Daily
f_autofe_mul_51efd300	0.0011	100.0000	854.7813, -1792.5999, -896.820...	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_div_ab7c3e47	0.0010	100.0000	-0.1855, 0.5497, 1.1227	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_mul_df98a323	0.0009	100.0000	-0.9259, -0.8913, -0.9271	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_div_3a59c948	0.0008	100.0000	-0.22, -0.1858, -0.8883	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_mul_041b52f4	0.0008	100.0000	-0.2, -0.6423, -0.3375	Upgini	AutoFE: features from Calendar data	Daily
f_autofe_mul_0afc7563	0.0007	100.0000	-0.2223, -0.5351, -0.8351	Upgini	AutoFE: features from Calendar data	Daily
f_autofe_div_1db7e1cd	0.0007	100.0000	-0.9297, -0.225, 1.0057	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_mul_0113244f	0.0006	100.0000	1453.6, 793.5779, -283.8922	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_economic_date_cbpol_pca_9_bde660b4	0.0006	100.0000	1.8434, -3.3111, 0.3993	Upgini	World economic indicators	Daily
f_autofe_mul_0eea013d	0.0005	100.0000	0.6154, -0.7564, -0.1985	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_mul_cd42199d	0.0005	100.0000	1.9659, -2.2804, 1.1865	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_mul_75afb714	0.0005	100.0000	414.8221, 369.9571, 336.7422	Upgini	AutoFE: features from Markets data	Daily
f_autofe_mul_53d5e561	0.0005	100.0000	0.053, -0.1565, 0.6468	Upgini	AutoFE: features from Calendar data,Markets data	Daily

f_autofe_mul_8a894088	0.0004	100.0000	-0.2549, -0.2061, -0.9731	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_mul_44503c6f	0.0004	100.0000	1.7773, 3.9023, 1.138	Upgini	AutoFE: features from Markets data	Daily
f_autofe_div_96c6fb85	0.0004	100.0000	-0.0007, 0.0008, -0.0008	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_mul_7fc70d87	0.0004	100.0000	0.1706, 0.5869, 0.9008	Upgini	AutoFE: features from Calendar data	Daily
f_autofe_div_979141a9	0.0004	100.0000	-0.1931, -1.0658, 0.5692	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_div_18e7ce22	0.0003	100.0000	0.0005, -0.0002, 0.0005	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_mul_863f505c	0.0003	100.0000	-0.6146, 0.2606, -0.8217	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_div_c0f4e26f	0.0003	100.0000	1436.7845, 1062.4265, 1073.487...	Upgini	AutoFE: features from Markets data	Daily
f_autofe_div_da811b7b	0.0003	100.0000	-0.2264, -0.8925, 0.6142	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_div_9b961b32	0.0003	68.0602	-7.8055, 1.1779, 1.3193	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_mul_9ea57b1d	0.0002	100.0000	-0.2596, 0.6841, -1.0365	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_mul_58cac651	0.0002	100.0000	-0.6626, 0.2933, -0.2287	Upgini	AutoFE: features from Calendar data	Daily
f_autofe_mul_eff3c92e	0.0002	100.0000	0.5938, 0.6113, 1.3367	Upgini	AutoFE: features from Markets data	Daily
f_autofe_div_1197f7eb	0.0002	100.0000	-0.2207, 0.6208, 0.6287	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_div_66be9f98	0.0002	100.0000	0.5711, -0.8421, 0.5636	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_mul_5e57450d	0.0002	100.0000	0.3449, -0.404, 0.2098	Upgini	AutoFE: features from Calendar data	Daily
f_autofe_div_d0993cdc	0.0002	100.0000	338.6915, 371.6479, 290.1134	Upgini	AutoFE: features from Markets data	Daily
f_autofe_mul_91619da8	0.0002	100.0000	0.9635, 1.0911, 1.008	Upgini	AutoFE: features from Markets data	Daily
f_autofe_div_b6a5e089	0.0001	68.0602	-1.891, 6.4081, -1.6914	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_mul_6a97c336	0.0001	100.0000	-0.7288, 0.7724, -0.1849	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_mul_ecb39f07	0.0001	100.0000	0.998, 1.0336, 0.8201	Upgini	AutoFE: features from Markets data	Daily
f_autofe_mul_b2bfad41	0.0001	100.0000	0.4797, 0.5726, -0.4414	Upgini	AutoFE: features from Calendar data,Markets data	Daily
f_autofe_div_0016ede5	0.0001	100.0000	50.3414, 32.74, 104.0845	Upgini	AutoFE: features from Markets data	Daily
f_autofe_mul_3a233471	0.0001	100.0000	1.0182, 1.142, 1.1071	Upgini	AutoFE: features from Markets data	Daily
f_economic_date_cbpol_pca_0_ef0bbff4	0.0001	100.0000	0.2779, 1.4846, -0.6764	Upgini	World economic indicators	Daily
f_economic_date_cbpol_pca_2_33d6e3fc	0.0001	100.0000	1.8119, 1.871, 1.9743	Upgini	World economic indicators	Daily
f_economic_date_cbpol_pca_3_27450634	0.0001	100.0000	-0.5854, -0.9995, -0.2053	Upgini	World economic indicators	Daily
f_economic_date_cbpol_pca_5_c87ba63a	0.0001	100.0000	-1.5098, -2.0221, -1.8123	Upgini	World economic indicators	Daily
f_economic_date_cbpol_pca_6_da6f4e43	0.0001	100.0000	0.7701, -0.1956, 0.6981	Upgini	World economic indicators	Daily

f_events_date_week_sin1_847b5db1	0.0001	100.0000	0.0, 0.9749, -0.4339	Upgini	Calendar data	Daily
f_events_date_year_cos6_7c1806a3	0.0001	100.0000	-0.8438, 0.5702, -0.0772	Upgini	Calendar data	Daily
f_events_date_year_sin2_59955ffd	0.0001	100.0000	-0.9428, -0.9263, -0.4317	Upgini	Calendar data	Daily
f_financial_date_crude_oil_7d_to_1y_c3e0ad17	0.0001	100.0000	1.0258, 1.0161, 0.6771	Upgini	Markets data	Daily
f_financial_date_gold_bf71e733	0.0001	100.0000	1656.4, 1574.6, 1277.3	Upgini	Markets data	Daily
f_financial_date_natural_gas_1d_to_7d_1fd6362a	0.0001	100.0000	0.961, 0.9806, 0.9803	Upgini	Markets data	Daily
f_financial_date_natural_gas_92dac942	0.0001	100.0000	2.623, 2.64, 5.214	Upgini	Markets data	Daily
f_financial_date_silver_7d_to_7d_1y_shift_55fa8001	0.0001	100.0000	0.744, 0.6379, 0.8344	Upgini	Markets data	Daily
f_financial_date_usd_7d_to_1y_9cbe7ef8	0.0001	100.0000	0.9779, 0.9505, 0.9997	Upgini	Markets data	Daily
f_financial_date_usd_eur_5d1b9c8f	0.0001	100.0000	0.8466, 0.9415, 0.8428	Upgini	Markets data	Daily
f_financial_date_vix_6c8e6194	0.0001	100.0000	18.75, 12.42, 13.78	Upgini	Markets data	Daily
f_financial_date_vix_7d_to_1y_634c77eb	0.0001	100.0000	0.7655, 0.8591, 0.7588	Upgini	Markets data	Daily
f_financial_date_vix_gap_b64bd2b9	0.0001	100.0000	-0.68, 1.86, -0.89	Upgini	Markets data	Daily

Description of AutoFE feature names

Sources	Feature name	Feature 1	Feature 2	Function
Calendar data,Markets data	f_autofe_div_09412fe1	f_events_date_year_cos1_9014a856	f_financial_date_vix_7d_to_1y_634c77eb	/
Calendar data,Markets data	f_autofe_mul_3f4a1860	f_events_date_year_cos1_9014a856	f_financial_date_crude_oil_7d_to_7d_1y_shift_718136ef	*
Calendar data,Markets data	f_autofe_div_89c56a5f	f_events_date_year_cos1_9014a856	f_financial_date_natural_gas_7d_to_7d_1y_shift_a5c3c07f	/
Calendar data,Markets data	f_autofe_div_e04998cf	f_events_date_year_cos1_9014a856	f_financial_date_usd_eur_5d1b9c8f	/
Calendar data,Markets data	f_autofe_div_0a5adf97	f_events_date_year_cos1_9014a856	f_financial_date_natural_gas_92dac942	/
Calendar data,Markets data	f_autofe_div_50a5dcaf	f_events_date_week_cos3_7525fe31	f_financial_date_silver_7d_to_7d_1y_shift_55fa8001	/
Calendar data	f_autofe_div_b97cf188	f_events_date_week_cos3_7525fe31	f_events_date_week_sin2_e28440a5	/
Calendar data,Markets data	f_autofe_div_a66c2b64	f_events_date_week_sin1_847b5db1	f_financial_date_snp500_fdb64447	/
Markets data	f_autofe_div_0dcebab1	f_financial_date_nasdaq_7d_to_1y_b00bfaa7	f_financial_date_snp500_7d_to_1y_378b9f99	/
Calendar data,Markets data	f_autofe_div_cf5dd7be	f_events_date_week_sin1_847b5db1	f_financial_date_vix_7d_to_1y_634c77eb	/
Calendar data,Markets data	f_autofe_div_3e22df83	f_events_date_week_sin1_847b5db1	f_financial_date_crude_oil_1f195998	/
Calendar data,Markets data	f_autofe_div_abde95f5	f_events_date_week_cos2_b0a07cfc	f_financial_date_silver_7d_to_7d_1y_shift_55fa8001	/
Markets data	f_autofe_div_49ee8368	f_financial_date_silver_7d_to_7d_1y_shift_55fa8001	f_financial_date_snp500_fdb64447	/
Markets data	f_autofe_mul_6234ba3a	f_financial_date_crude_oil_7d_to_1y_c3e0ad17	f_financial_date_silver_7d_to_7d_1y_shift_55fa8001	*

Calendar data,Markets data	f_autofe_mul_08e89348	f_events_date_week_sin1_8 47b5db1	f_financial_date_crude_oi l_1f195998	*
Calendar data,Markets data	f_autofe_mul_af6d166b	f_events_date_week_cos3_7 525fe31	f_financial_date_vix_7d_t o_1y_634c77eb	*
Calendar data,Markets data	f_autofe_mul_25296268	f_events_date_week_sin1_8 47b5db1	f_financial_date_vix_7d_t o_1y_634c77eb	*
Calendar data,Markets data	f_autofe_mul_7b115967	f_events_date_week_cos1_f 6a8c1fc	f_financial_date_gold_7d_ to_1y_ae310379	*
Calendar data,Markets data	f_autofe_mul_0cc09d2d	f_events_date_year_cos1_9 014a856	f_financial_date_crude_oi l_1f195998	*
Markets data	f_autofe_div_effd1e0b	f_financial_date_snp500_f db64447	f_financial_date_usd_7d_t o_1y_9cbe7ef8	/
Calendar data	f_autofe_div_ba625fe9	f_events_date_week_sin1_8 47b5db1	f_events_date_year_cos1_9 014a856	/
Calendar data	f_autofe_div_7eba89b2	f_events_date_week_cos3_7 525fe31	f_events_date_week_sin1_8 47b5db1	/
Calendar data	f_autofe_mul_5feff686	f_events_date_year_cos1_9 014a856	f_events_date_year_cos2_7 acbaf1b	*
Calendar data,Markets data	f_autofe_div_86414197	f_events_date_week_cos2_b 0a07cfc	f_financial_date_usd_eur_ 7d_to_7d_1y_shift_0530217 6	/
Calendar data,Markets data	f_autofe_mul_275f1bc7	f_events_date_week_cos2_b 0a07cfc	f_financial_date_crude_oi l_7d_to_1y_c3e0ad17	*
Markets data	f_autofe_mul_4c9c7d0a	f_financial_date_natural_ gas_7d_to_1y_7a6f300d	f_financial_date_silver_7 d_to_7d_1y_shift_55fa8001	*
Calendar data,Markets data	f_autofe_mul_51efd300	f_events_date_week_sin1_8 47b5db1	f_financial_date_snp500_f db64447	*
Calendar data,Markets data	f_autofe_div_ab7c3e47	f_events_date_week_cos1_f 6a8c1fc	f_financial_date_stoxx_7d _to_7d_1y_shift_abef6e91	/
Calendar data,Markets data	f_autofe_mul_df98a323	f_events_date_week_cos3_7 525fe31	f_financial_date_silver_1 d_to_7d_f35d6e93	*
Calendar data,Markets data	f_autofe_div_3a59c948	f_events_date_week_cos1_f 6a8c1fc	f_financial_date_usd_eur_ 7d_to_7d_1y_shift_0530217 6	/
Calendar data	f_autofe_mul_041b52f4	f_events_date_week_sin1_8 47b5db1	f_events_date_year_sin1_3 c44bc64	*
Calendar data	f_autofe_mul_0afc7563	f_events_date_week_sin1_8 47b5db1	f_events_date_year_cos1_9 014a856	*
Calendar data,Markets data	f_autofe_div_1db7e1cd	f_events_date_week_cos3_7 525fe31	f_financial_date_silver_1 d_to_7d_f35d6e93	/
Calendar data,Markets data	f_autofe_mul_0113244f	f_events_date_week_cos2_b 0a07cfc	f_financial_date_gold_bf7 1e733	*
Calendar data,Markets data	f_autofe_mul_0eea013d	f_events_date_week_cos3_7 525fe31	f_financial_date_stoxx_7d _to_7d_1y_shift_abef6e91	*
Calendar data,Markets data	f_autofe_mul_cd42199d	f_events_date_week_cos3_7 525fe31	f_financial_date_natural_ gas_92dac942	*
Markets data	f_autofe_mul_75afb714	f_financial_date_nasdaq_7 d_to_1y_b00bfaa7	f_financial_date_stoxx_04 3cbcd4	*
Calendar data,Markets data	f_autofe_mul_53d5e561	f_events_date_year_sin1_3 c44bc64	f_financial_date_usd_eur_ 5d1b9c8f	*
Calendar data,Markets data	f_autofe_mul_8a894088	f_events_date_week_cos3_7 525fe31	f_financial_date_usd_eur_ 7d_to_7d_1y_shift_0530217 6	*
Markets data	f_autofe_mul_44503c6f	f_financial_date_natural_ gas_92dac942	f_financial_date_natural_ gas_7d_to_7d_1y_shift_a5c 3c07f	*
Calendar data,Markets data	f_autofe_div_96c6fb85	f_events_date_week_cos1_f 6a8c1fc	f_financial_date_gold_bf7 1e733	/
Calendar data	f_autofe_mul_7fc70d87	f_events_date_week_cos1_f 6a8c1fc	f_events_date_year_cos1_9 014a856	*

Calendar data,Markets data	f_autofe_div_979141a9	f_events_date_week_cos3_7 525fe31	f_financial_date_stoxx_7d _to_7d_1y_shift_abef6e91	/
Calendar data,Markets data	f_autofe_div_18e7ce22	f_events_date_week_cos3_7 525fe31	f_financial_date_gold_bf7 1e733	/
Calendar data,Markets data	f_autofe_mul_863f505c	f_events_date_year_sin2_5 9955ffd	f_financial_date_vix_7d_t o_1y_634c77eb	*
Markets data	f_autofe_div_c0f4e26f	f_financial_date_gold_bf7 1e733	f_financial_date_vix_7d_t o_1y_634c77eb	/
Calendar data,Markets data	f_autofe_div_da811b7b	f_events_date_week_cos3_7 525fe31	f_financial_date_stoxx_1d _to_7d_c615714e	/
Calendar data,Markets data	f_autofe_div_9b961b32	f_events_date_year_cos1_9 014a856	f_financial_date_usd_dayd iff_8bcdeec4	/
Calendar data,Markets data	f_autofe_mul_9ea57b1d	f_events_date_week_cos1_f 6a8c1fc	f_financial_date_stoxx_7d _to_7d_1y_shift_abef6e91	*
Calendar data	f_autofe_mul_58cac651	f_events_date_week_sin1_8 47b5db1	f_events_date_year_cos2_7 acbaf1b	*
Markets data	f_autofe_mul_eff3c92e	f_financial_date_natural_ gas_7d_to_7d_1y_shift_a5c 3c07f	f_financial_date_stoxx_7d _to_7d_1y_shift_abef6e91	*
Calendar data,Markets data	f_autofe_div_1197f7eb	f_events_date_week_cos1_f 6a8c1fc	f_financial_date_stoxx_1d _to_7d_c615714e	/
Calendar data,Markets data	f_autofe_div_66be9f98	f_events_date_week_cos3_7 525fe31	f_financial_date_snp500_7 d_to_1y_378b9f99	/
Calendar data	f_autofe_mul_5e57450d	f_events_date_year_cos5_5 9183b20	f_events_date_year_sin2_5 9955ffd	*
Markets data	f_autofe_div_d0993cdc	f_financial_date_stoxx_04 3cbcd4	f_financial_date_stoxx_7d _to_1y_2ea815f4	/
Markets data	f_autofe_mul_91619da8	f_financial_date_crude_oi l_7d_to_1y_c3e0ad17	f_financial_date_usd_eur_ 7d_to_7d_1y_shift_0530217 6	*
Calendar data,Markets data	f_autofe_div_b6a5e089	f_events_date_year_sin7_1 6d9d7c9	f_financial_date_usd_dayd iff_8bcdeec4	/
Calendar data,Markets data	f_autofe_mul_6a97c336	f_events_date_week_cos1_f 6a8c1fc	f_financial_date_vix_7d_t o_1y_634c77eb	*
Markets data	f_autofe_mul_ecb39f07	f_financial_date_stoxx_7d _to_7d_1y_shift_abef6e91	f_financial_date_usd_eur_ 5d1b9c8f	*
Calendar data,Markets data	f_autofe_mul_b2bfad41	f_events_date_week_cos2_b 0a07cfc	f_financial_date_vix_7d_t o_1y_634c77eb	*
Markets data	f_autofe_div_0016ede5	f_financial_date_crude_oi l_1f195998	f_financial_date_crude_oi l_7d_to_7d_1y_shift_71813 6ef	/
Markets data	f_autofe_mul_3a233471	f_financial_date_snp500_7 d_to_7d_1y_shift_fa788602	f_financial_date_vix_7d_t o_1y_634c77eb	*

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Best regards,
Upgini Team