EDA

Frequency: monthly

Rows: 223560 | Series: 1428 | Domains: 2

Date ranges per domain:

	domain	min	max	count
0	m1_monthly_dataset	1900-01-01	1991-01-01	55998
1	m3_monthly_dataset	1857-01-01	2005-02-01	167562

Series length summary:

length

count 1428.000000

mean 156.554622

std 44.403709

min 66.000000

25% 134.000000

50% 142.000000

75% 192.000000

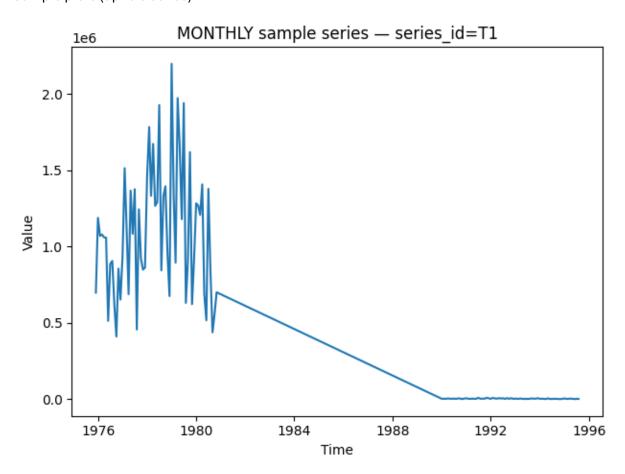
max 288.000000

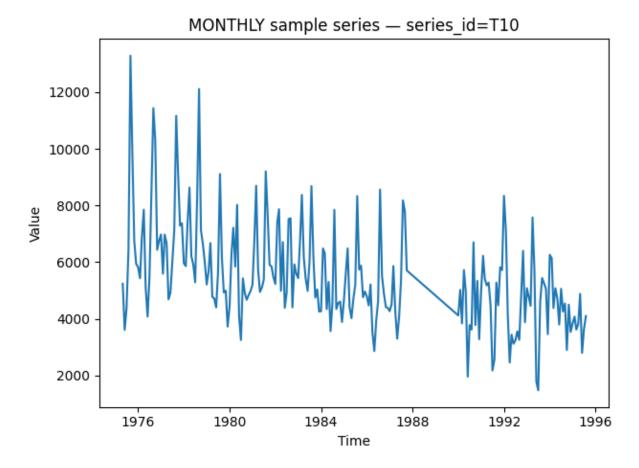
dtype: float64

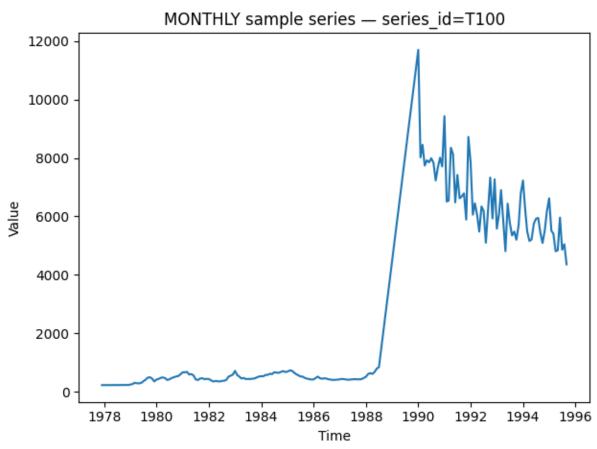
Value stats per domain:

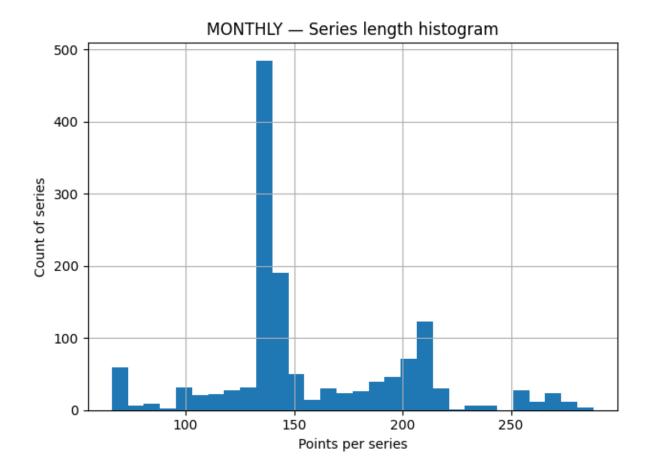
	domain	mean	std	min	max	media n	count
0	m1_monthly_datas et	9635.44297 4	49670.4484 59	0.0	2196870. 0	371.0	55998
1	m3_monthly_datas	5000.30934 6	2296.39426 3	- 1200. 0	86730.0	4850.0	16756 2

Sample plots (up to 3 series):









Frequency: quarterly

Rows: 46948 | Series: 756 | Domains: 2

Date ranges per domain:

	domain	min	max	count
0	m1_quarterly_dataset	1900-01-01	2005-10-01	9944
1	m3_quarterly_dataset	1946-01-01	1996-07-01	37004

Series length summary:

length

count 756.000000

length

 mean
 62.100529

 std
 23.063642

 min
 24.000000

 25%
 52.000000

 50%
 52.000000

 75%
 72.000000

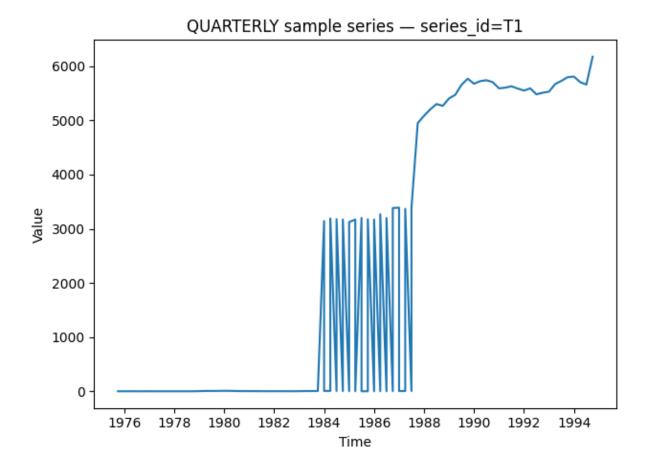
 max
 158.000000

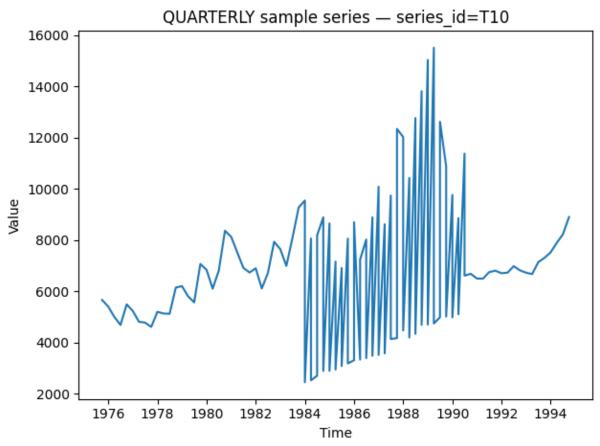
dtype: float64

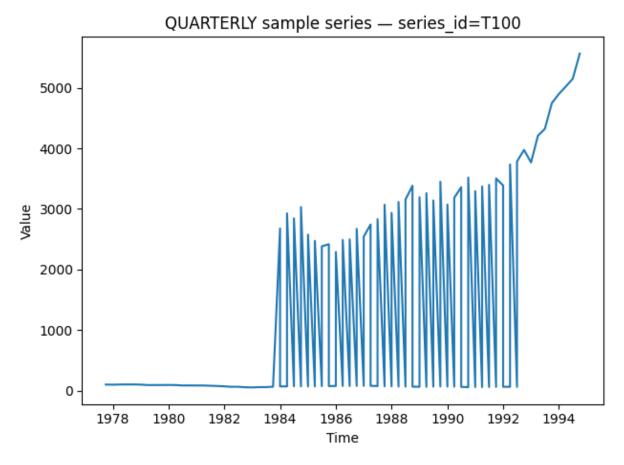
Value stats per domain:

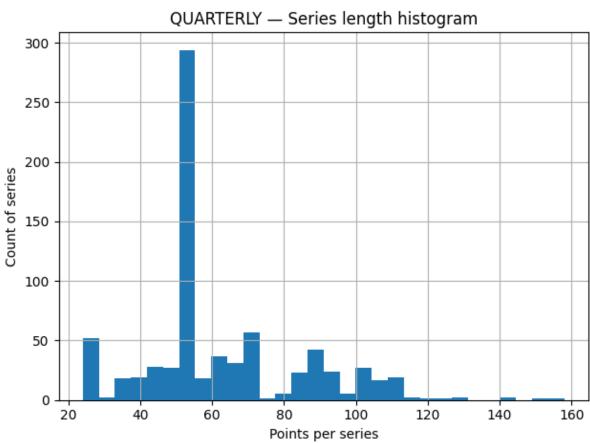
	domain	mean	std	min	max	media n	coun t
0	m1_quarterly_datas et	13718.8145 78	66621.9713 70	0.34	818797. 0	132.16	9944
1	m3_quarterly_datas et	4981.02852 1	1793.96685 5	121.0 0	20375.0	4905.3 1	3700 4

Sample plots (up to 3 series):









Frequency: yearly

Rows: 22834 | Series: 645 | Domains: 2

Date ranges per domain:

	domain	min	max	count
0	m1_yearly_dataset	1865-01-01	2033-01-01	4515
1	m3_yearly_dataset	1811-01-01	2001-01-01	18319

Series length summary:

length

 count
 645.000000

 mean
 35.401550

 std
 13.806279

 min
 20.000000

 25%
 23.000000

 50%
 33.000000

 75%
 46.000000

dtype: float64

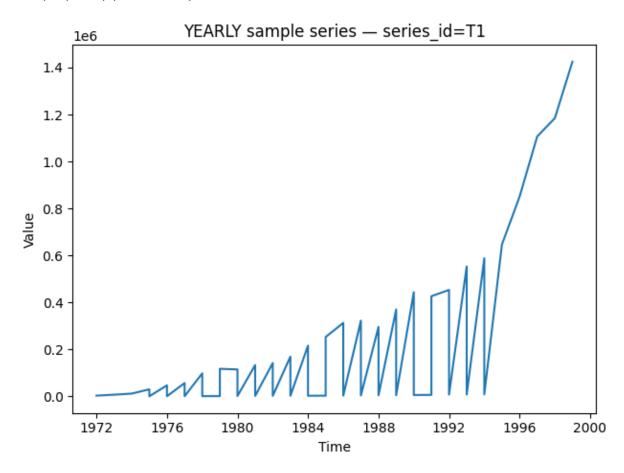
max

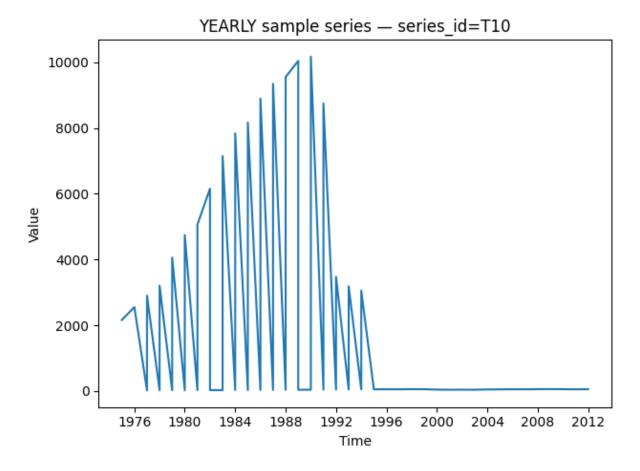
Value stats per domain:

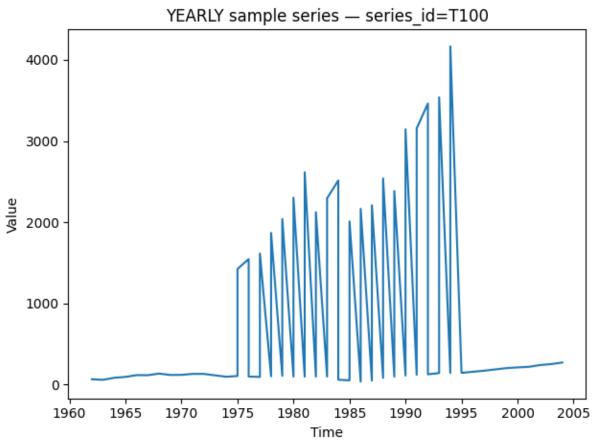
92.000000

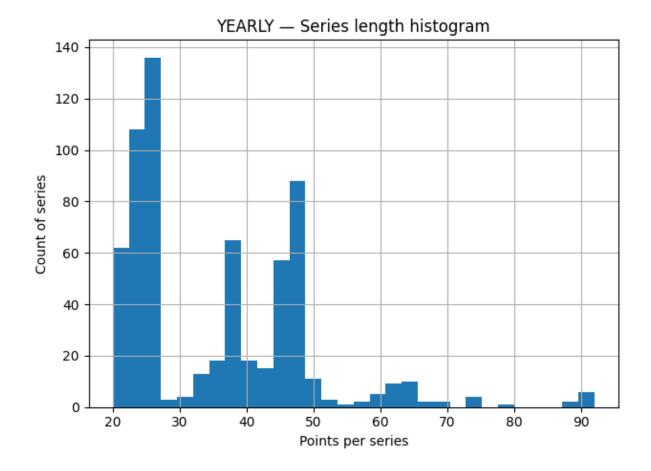
	domain	mean	std	min	max	media n	coun t
0	m1_yearly_datas et	592652.0425 25	3.210858e+0 6	0.1	47180900.0 0	870.0	4515
1	m3_yearly_datas et	4749.213704	2.510016e+0	30. 0	45525.66	4639.5	1831 9

Sample plots (up to 3 series):









Frequency: weekly

[INFO] Empty corpus — skipping EDA.

Frequency: hourly

[INFO] Empty corpus — skipping EDA.

Extended EDA -

[EXTENDED EDA] Frequency = monthly

Domain coverage:

	domain	min	max	count	coverage_days
0	m1_monthly_dataset	1900-01-01	1991-01-01	55998	33237
1	m3_monthly_dataset	1857-01-01	2005-02-01	167562	54087

Overlap window: start=1900-01-01 00:00:00, end=1991-01-01 00:00:00, days=33237

Gaps summary (per series):

gap_rate

count 1428.000000

mean 0.072216

std 0.154393

min 0.000000

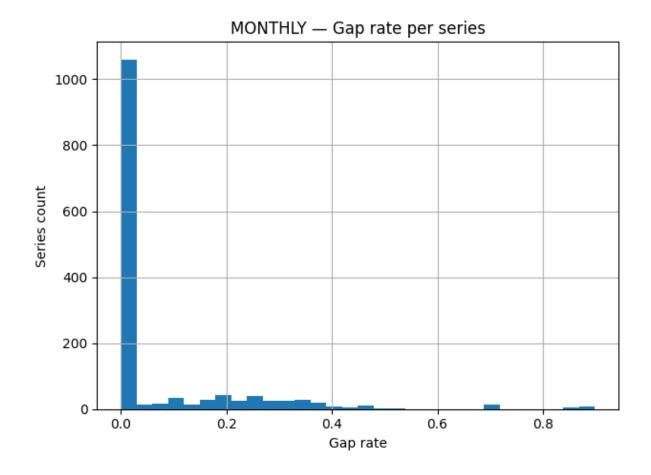
25% 0.000000

50% 0.000000

75% 0.057914

max 0.898172

dtype: float64



Negatives/outliers summary:

	neg_rate	outlier_rate
count	1428.000000	1428.000000
mean	0.000007	0.012458
std	0.000276	0.028727
min	0.000000	0.000000
25%	0.000000	0.000000
50%	0.000000	0.000000
75%	0.000000	0.009524

	neg_rate	outlier_rate
max	0.010417	0.315789

Volatility & growth summary:

	cv	median_abs_diff	median_pct_growth
count	1428.000000	1428.000000	1428.000000
mean	0.467604	368.445802	0.003471
std	0.379294	738.876829	0.019560
min	0.012345	0.310000	-0.245639
25%	0.138571	50.990000	-0.000371
50 %	0.335031	170.000000	0.002861
75%	0.758113	381.625000	0.007993
max	2.065382	9616.000000	0.380579

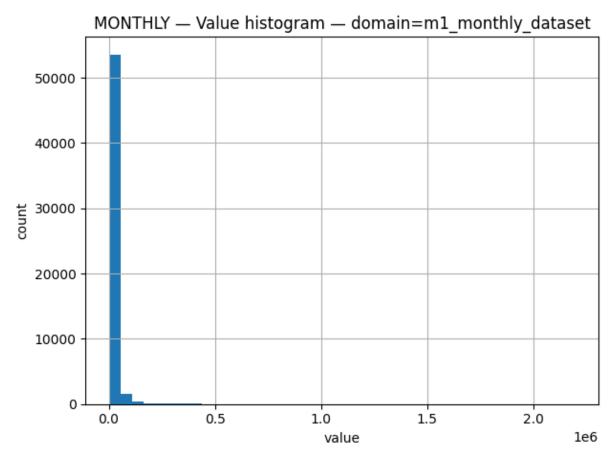
Spike summary:

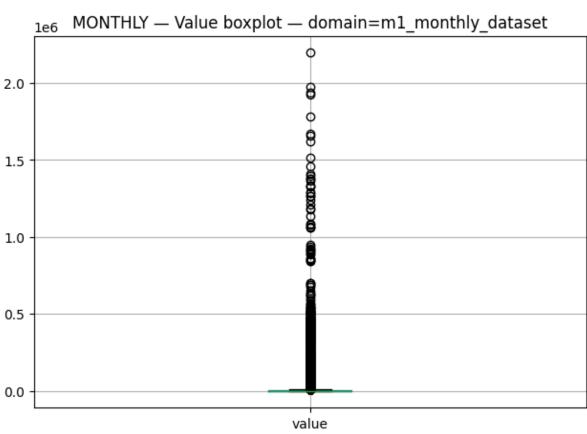
	n_spikes	spike_rate
count	1428.000000	1428.000000
mean	2.316527	0.014183
std	2.685178	0.013747
min	0.000000	0.000000
25%	1.000000	0.004908

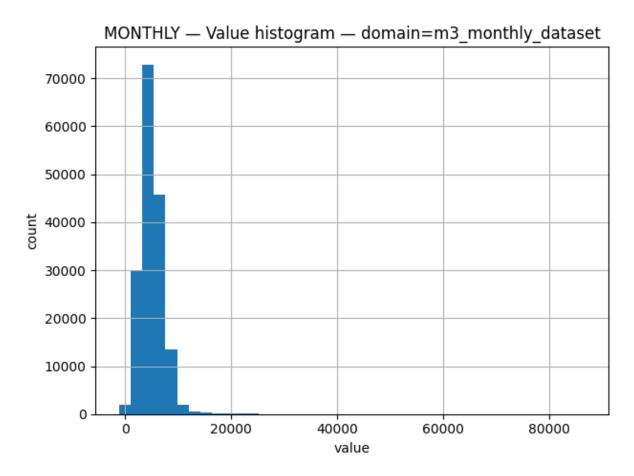
	n_spikes	spike_rate
50%	2.000000	0.013378
75%	3.000000	0.021053
max	20.000000	0.098039

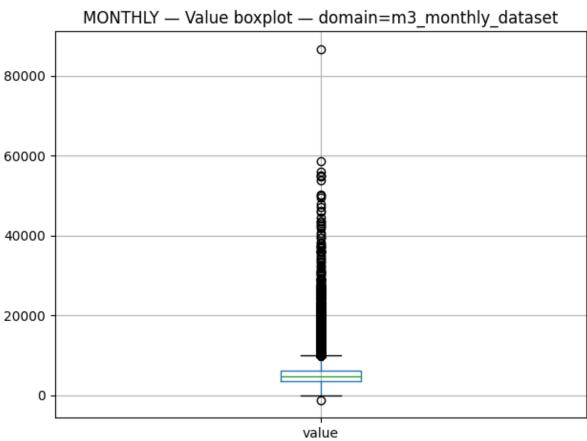
ADF (sample series):

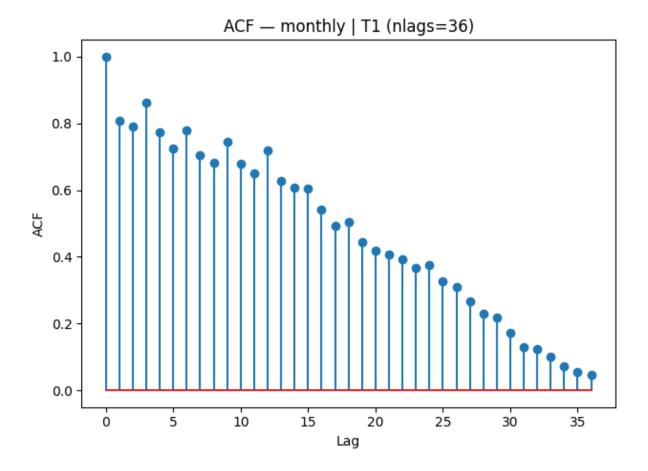
	series_id	adf_stat	p_value	n
0	T1	-1.111719	0.710376	128
1	T10	-1.147632	0.695708	218
2	T100	-1.466712	0.549909	197
3	T1000	-0.256704	0.931416	134
4	T1001	-1.104724	0.713185	134

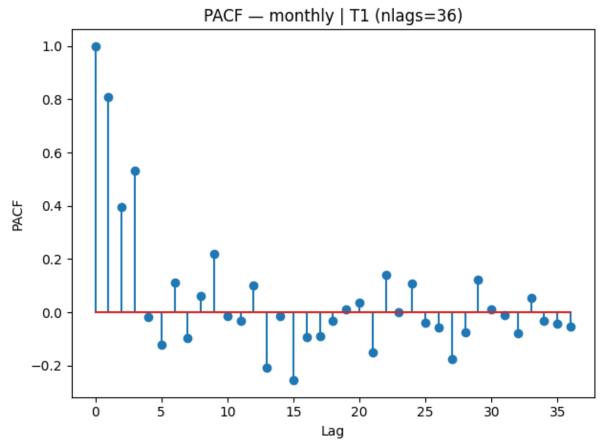




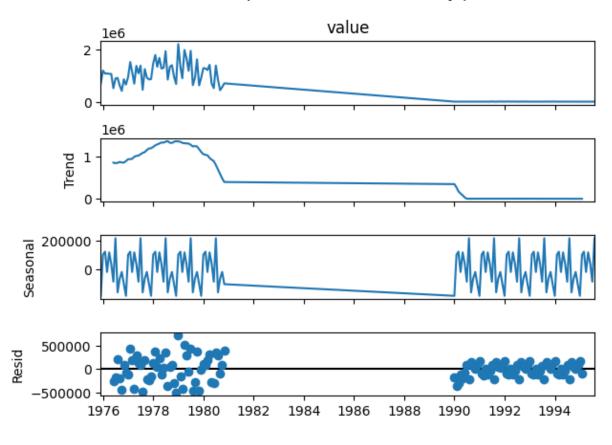


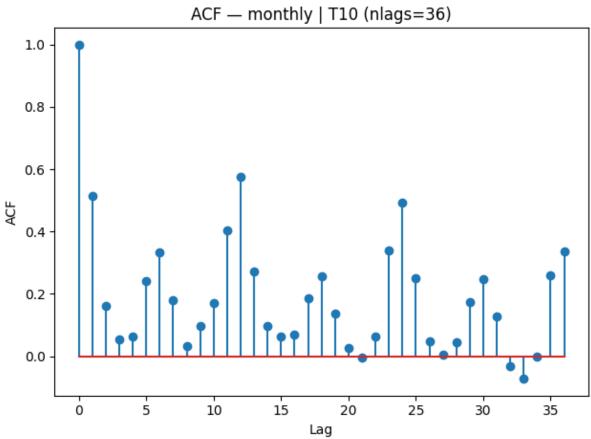


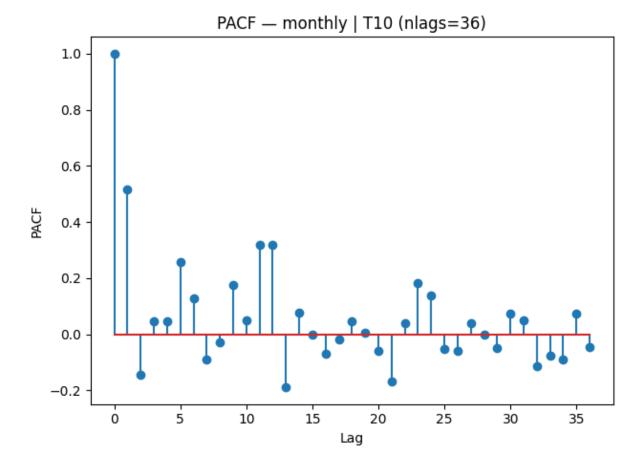




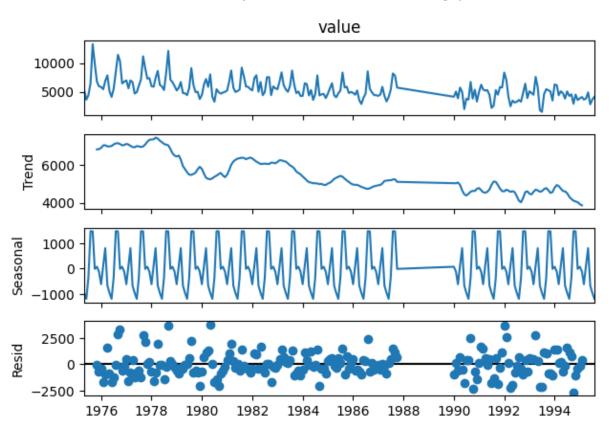
Seasonal Decompose (additive) — monthly | T1







Seasonal Decompose (additive) — monthly | T10



[EXTENDED EDA] Frequency = quarterly

Domain coverage:

	domain	min	max	count	coverage_days
0	m1_quarterly_dataset	1900-01-01	2005-10-01	9944	38624
1	m3_quarterly_dataset	1946-01-01	1996-07-01	37004	18444
Overlap window: start=1946-01-01 00:00:00, end=1996-07-01 00:00:00, days=18444					

Gaps summary (per series):

gap_rate

count 756.000000

mean 0.017798

std 0.068906

min 0.000000

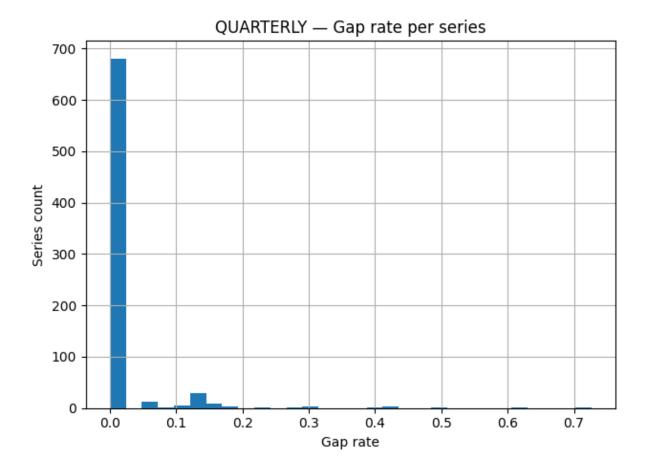
25% 0.000000

50% 0.000000

75% 0.000000

max 0.726316

dtype: float64



Negatives/outliers summary:

	neg_rate	outlier_rate
count	756.0	756.000000
mean	0.0	0.008007
std	0.0	0.025515
min	0.0	0.000000
25%	0.0	0.000000
50 %	0.0	0.000000
75%	0.0	0.000000

neg_rate outlier_rate

max 0.0 0.200000

Volatility & growth summary:

	cv	median_abs_diff	median_pct_growth
count	756.000000	756.000000	756.000000
mean	0.400810	541.625701	0.010128
std	0.382956	2103.980840	0.037930
min	0.007597	1.400000	-0.473615
25%	0.112139	71.650000	0.002936
50%	0.228764	157.000000	0.009734
75%	0.628536	334.130000	0.019762
max	1.443269	40025.000000	0.218751

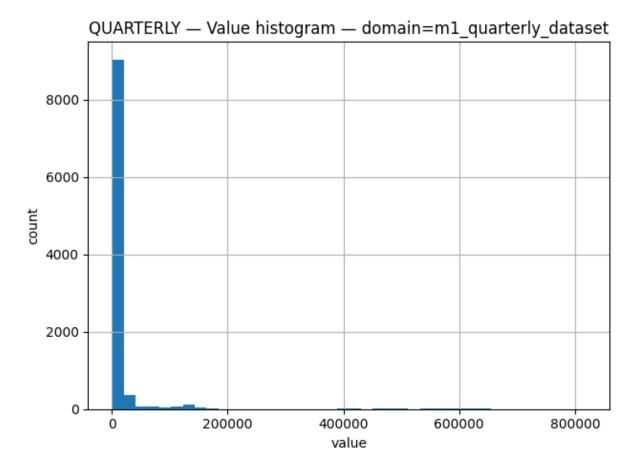
Spike summary:

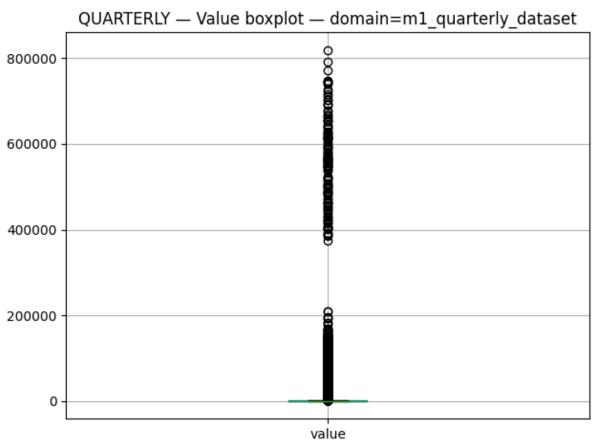
	n_spikes	spike_rate
count	756.000000	756.000000
mean	0.378307	0.005934
std	0.725874	0.010843
min	0.000000	0.000000
25%	0.000000	0.000000

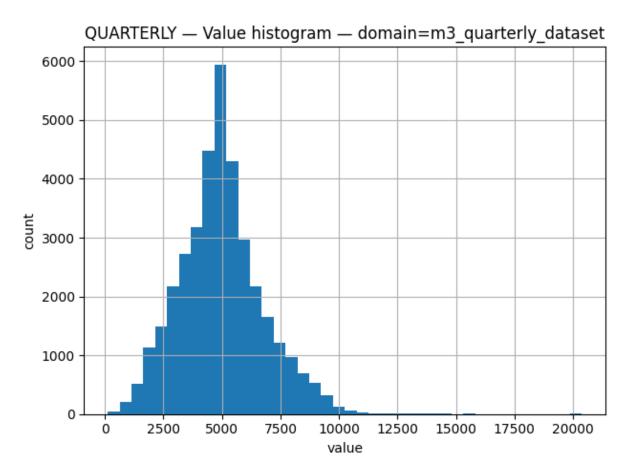
	n_spikes	spike_rate
50%	0.000000	0.000000
75%	1.000000	0.011494
max	5.000000	0.070423

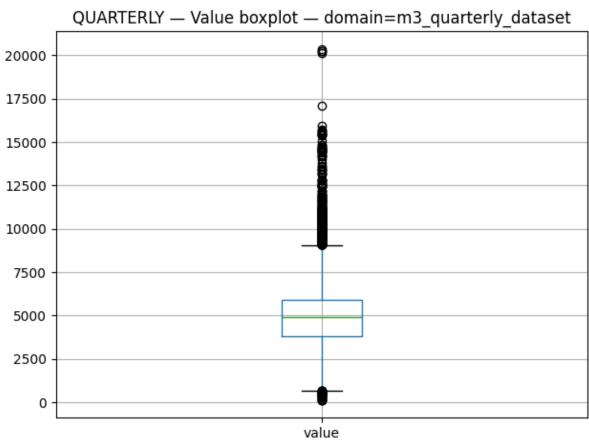
ADF (sample series):

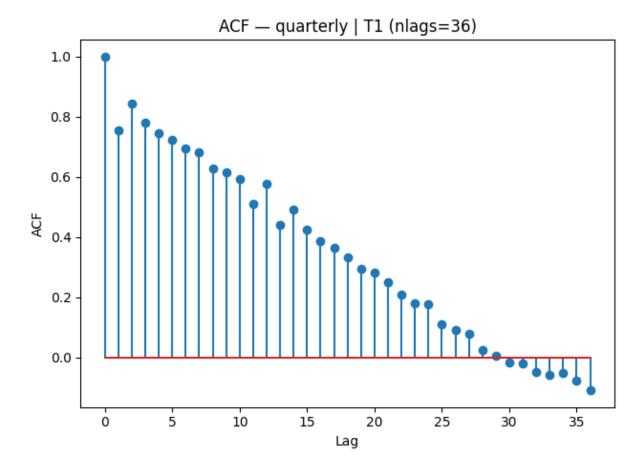
	series_id	adf_stat	p_value	n
0	T1	-0.454433	0.900606	92
1	T10	-2.779194	0.061308	104
2	T100	0.718775	0.990205	104
3	T101	-0.614836	0.867594	70
4	T102	-1.702203	0.429978	128

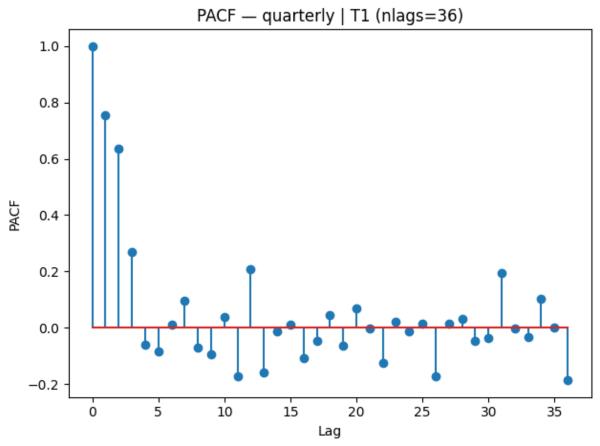




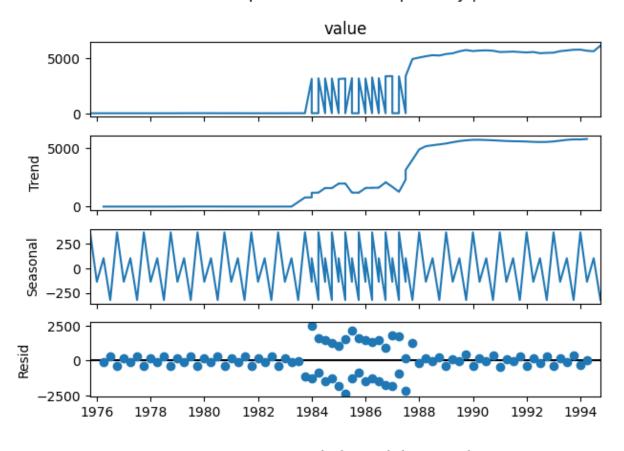


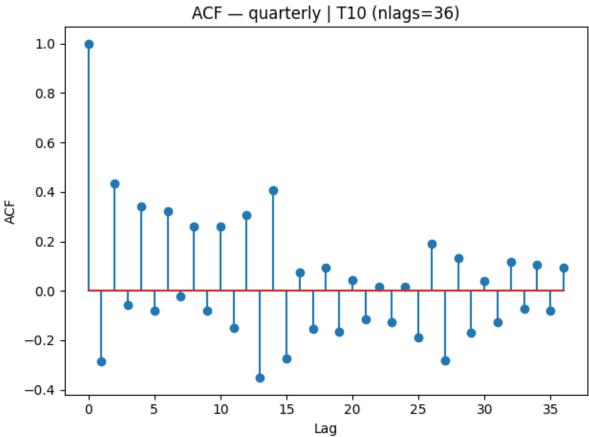


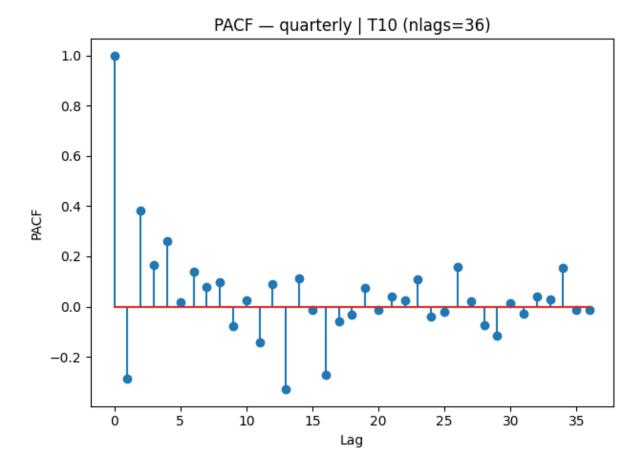




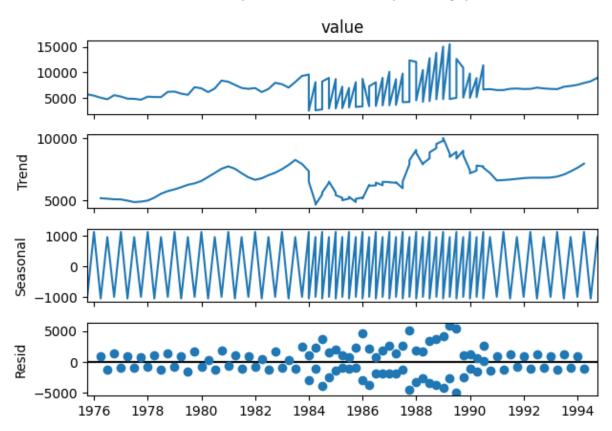
Seasonal Decompose (additive) — quarterly | T1







Seasonal Decompose (additive) — quarterly | T10



[EXTENDED EDA] Frequency = yearly

Domain coverage:

	domain	min	max	count	coverage_days
0	m1_yearly_dataset	1865-01-01	2033-01-01	4515	61361
1	m3_yearly_dataset	1811-01-01	2001-01-01	18319	69397
Overlap window: start=1865-01-01 00:00:00, end=2001-01-01 00:00:00, days=49673					

Gaps summary (per series):

gap_rate

count 645.000000

mean 0.004130

std 0.033776

min 0.000000

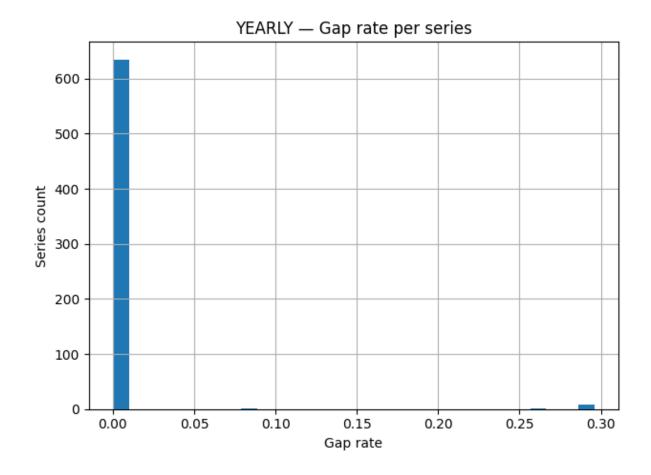
25% 0.000000

50% 0.000000

75% 0.000000

max 0.296000

dtype: float64



Negatives/outliers summary:

	neg_rate	outlier_rate
count	645.0	645.000000
mean	0.0	0.022467
std	0.0	0.048454
min	0.0	0.000000
25%	0.0	0.000000
50 %	0.0	0.000000
75%	0.0	0.021277

neg_rate outlier_rate

max 0.0 0.280000

Volatility & growth summary:

	cv	median_abs_diff	median_pct_growth
count	645.000000	6.450000e+02	645.000000
mean	0.516226	8.677084e+04	0.033755
std	0.426956	1.018585e+06	0.045592
min	0.019624	1.550000e+01	-0.131351
25%	0.186188	1.687500e+02	0.007074
50%	0.335052	2.790000e+02	0.027619
75 %	0.792793	9.104850e+02	0.054768
max	2.094457	1.602049e+07	0.277555

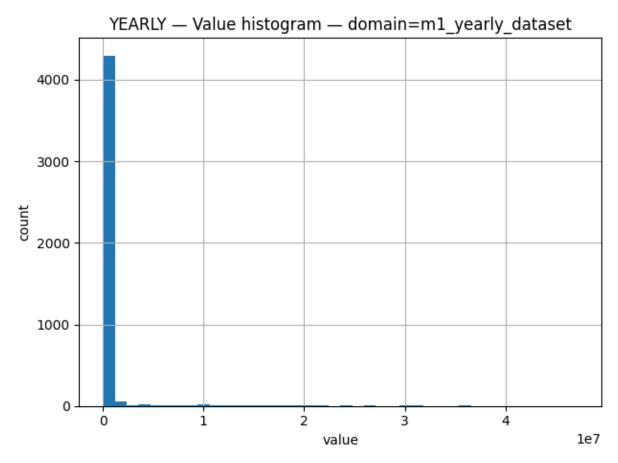
Spike summary:

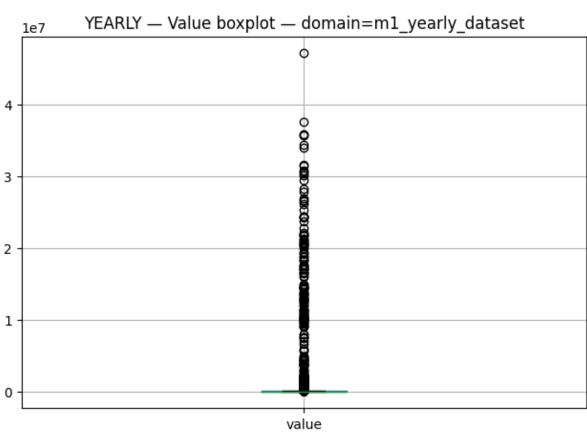
	n_spikes	spike_rate
count	645.000000	645.000000
mean	0.237209	0.006874
std	0.532641	0.014751
min	0.000000	0.000000
25%	0.000000	0.000000

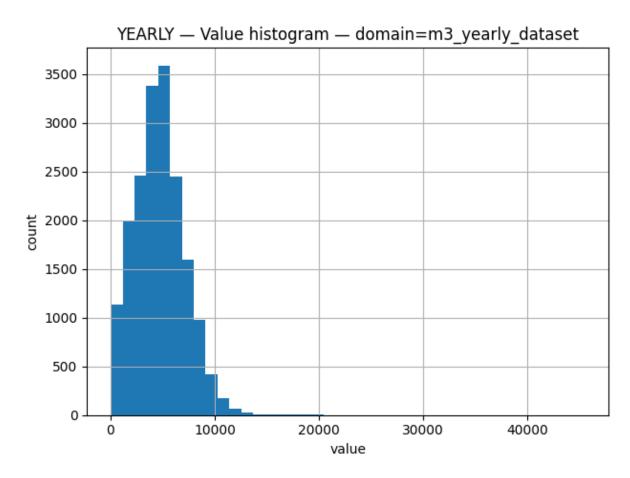
	n_spikes	spike_rate
50 %	0.000000	0.000000
75%	0.000000	0.000000
max	4.000000	0.083333

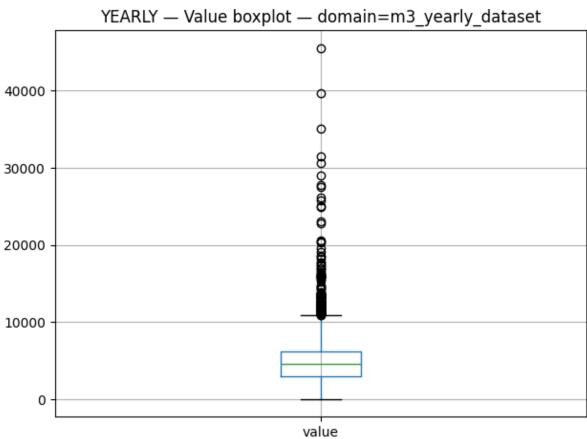
ADF (sample series):

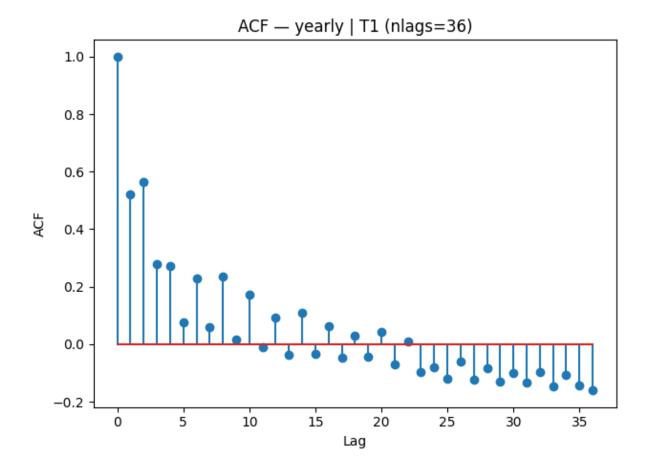
	series_id	adf_stat	p_value	n
0	T1	0.731148	9.904394e-01	48
1	T10	-0.515362	8.889837e-01	56
2	T100	-3.902410	2.017182e-03	63
3	T101	-2.250351	1.884806e-01	60
4	T102	-11.198655	2.272774e-20	46

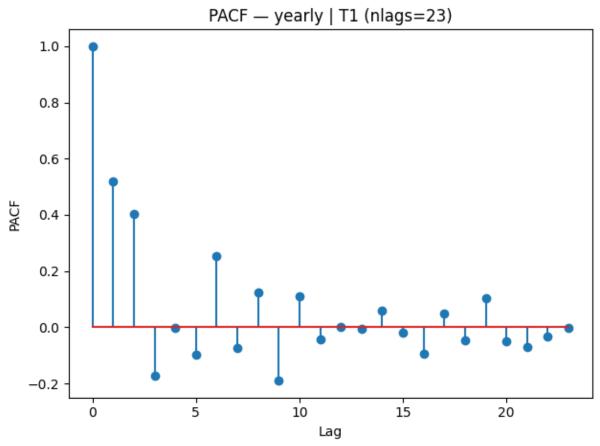


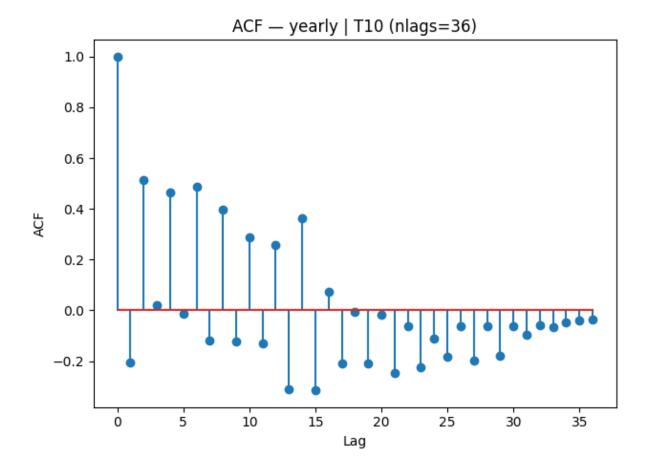


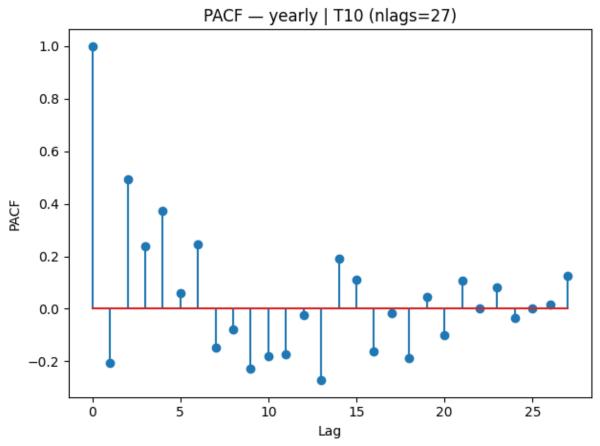












[EXTENDED EDA] Frequency = weekly			
[INFO] Empty corpus — skipping.			
[EXTENDED EDA] Frequency = hourly			
[INFO] Empty corpus — skipping.			