

Financial News and Stock Price Analysis Report

Generated on: 2025-10-03 22:55:45

Executive Summary

This report presents a comprehensive analysis of financial news data and stock price data. The analysis covers 24,127 news articles and 23,118 price records across 19 stock tickers.

Key Findings:

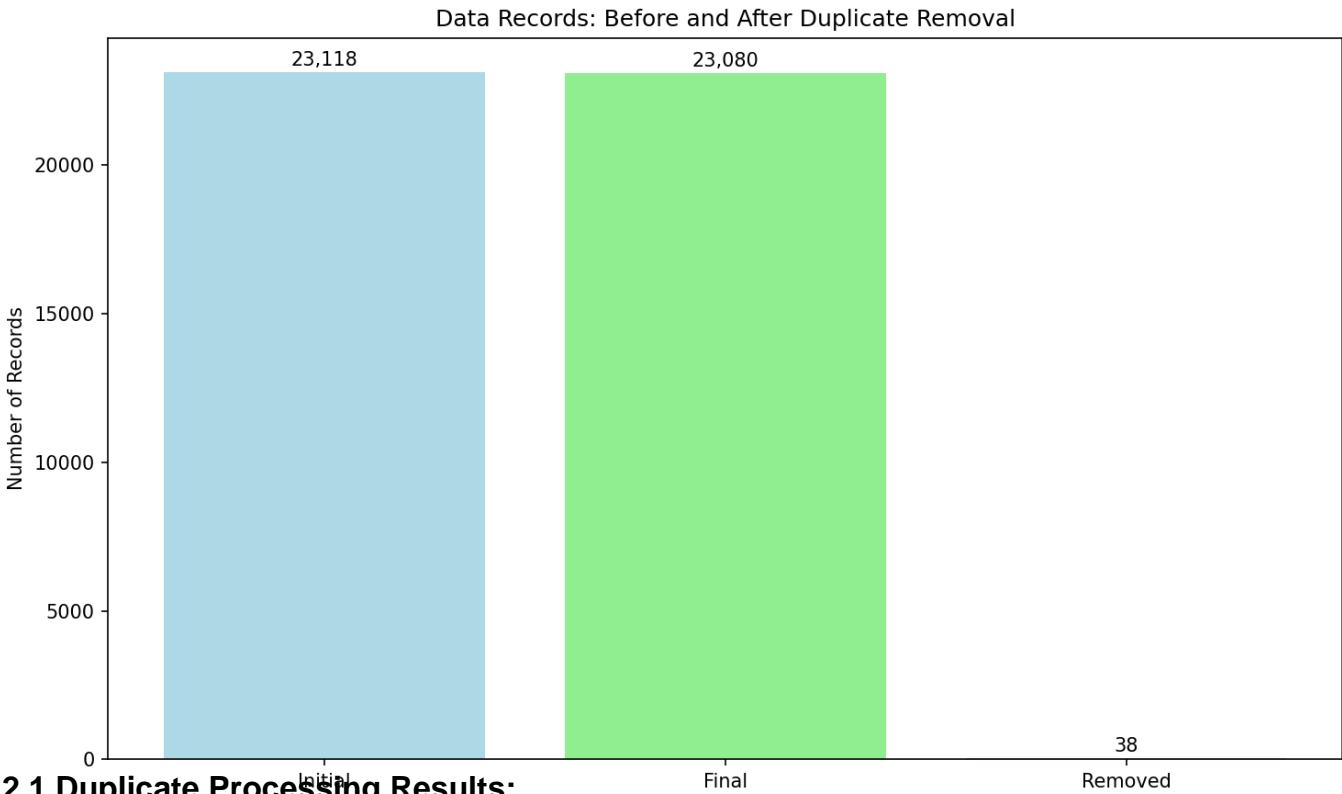
- Ticker assignment coverage: 49.3%
- Duplicate records removed: 38
- Large data gaps identified: 24
- Average tickers per news: 0.79
- Total gap days with news: 557

1. Data Loading and Initial Assessment

1.1 Data Loading Summary:

Dataset	Rows	Columns
News Data	24127	4
Candle Data	23118	11

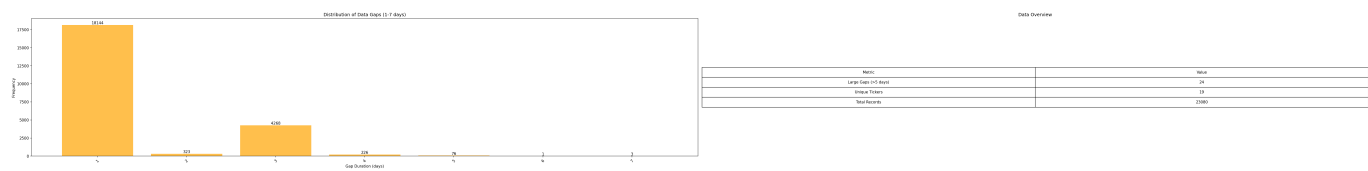
2. Data Quality: Duplicate Processing



2.1 Duplicate Processing Results:

Metric	Value
Initial Records	23118
Final Records	23080
Duplicates Removed	38
Duplicate Groups	38
Total Price Difference	0.000000

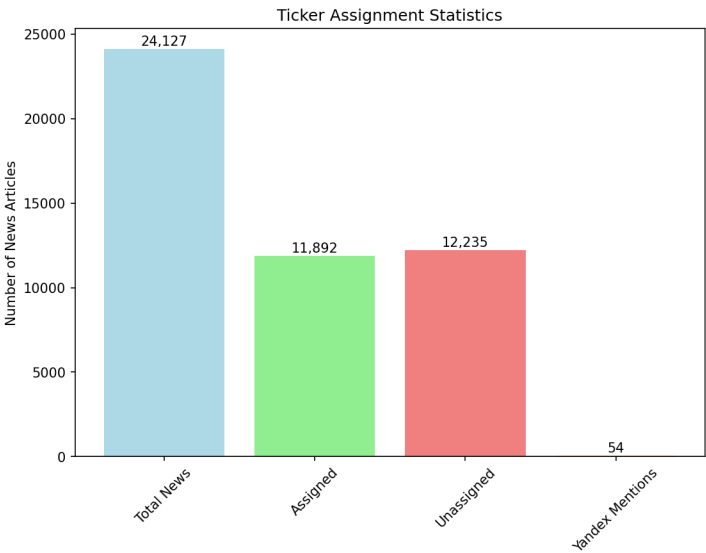
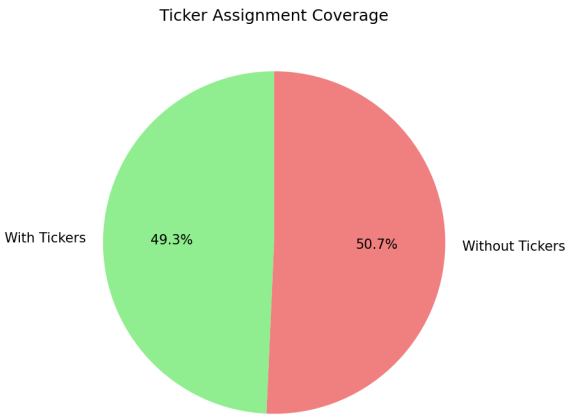
3. Data Continuity: Gap Analysis



3.1 Gap Distribution Analysis:

Gap Duration	Frequency
1 days	18144
2 days	323
3 days	4268
4 days	226
5 days	76
6 days	1
7 days	3
27 days	17
31 days	1
32 days	2
First Record	19

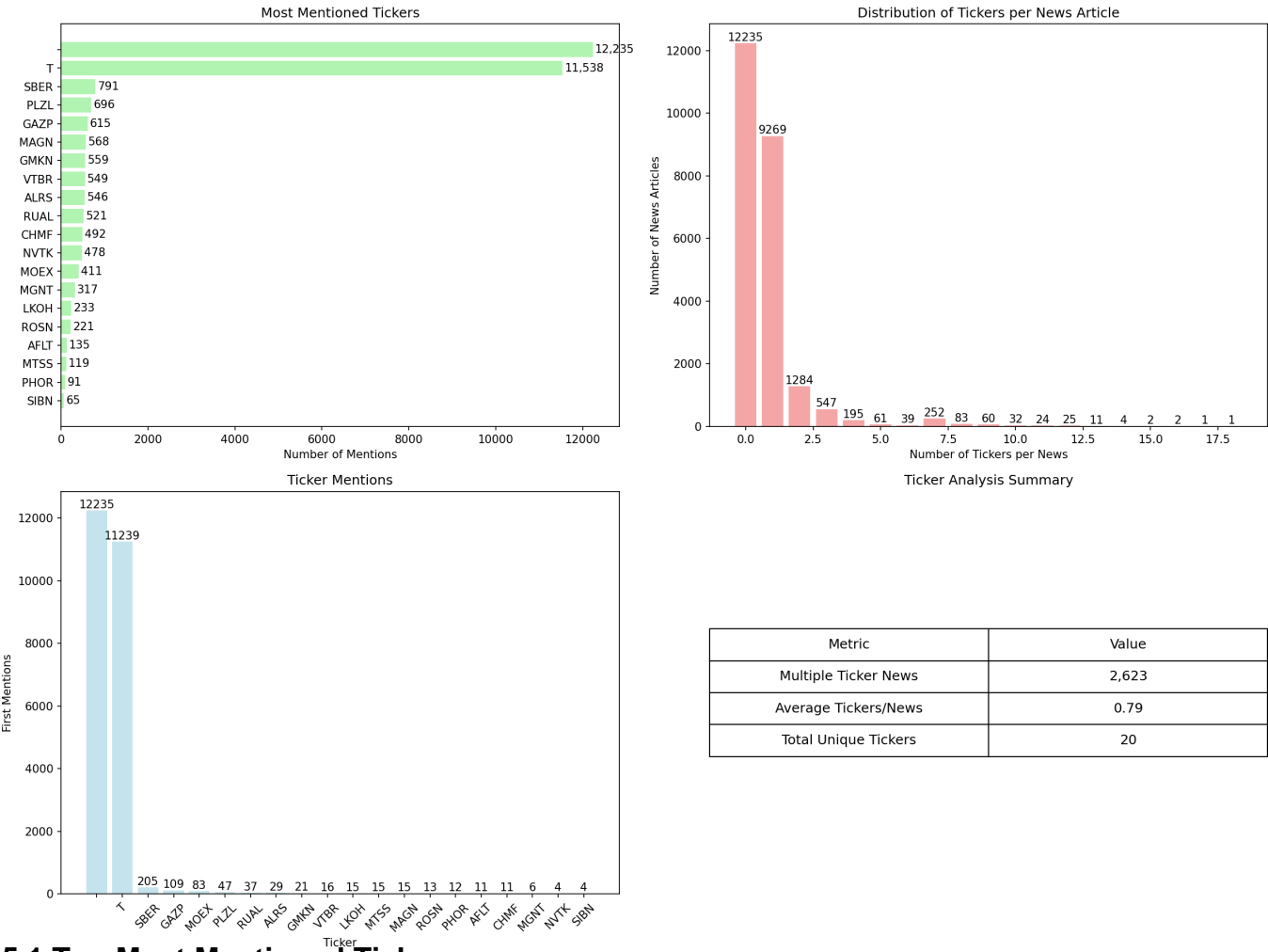
4. Ticker Assignment Analysis



4.1 Ticker Assignment Results:

Category	Count	Percentage
News with Tickers	11892	49.3%
News without Tickers	12235	50.7%
Yandex Mentions in Unassigned	54	0.4%

5. Detailed Ticker Analysis



5.1 Top Most Mentioned Tickers:

Ticker	Mentions	Percentage (%)
	12235	50.7
T	11538	47.8
SBER	791	3.3
PLZL	696	2.9
GAZP	615	2.5
MAGN	568	2.4
GMKN	559	2.3
VTBR	549	2.3
ALRS	546	2.3
RUAL	521	2.2
CHMF	492	2.0

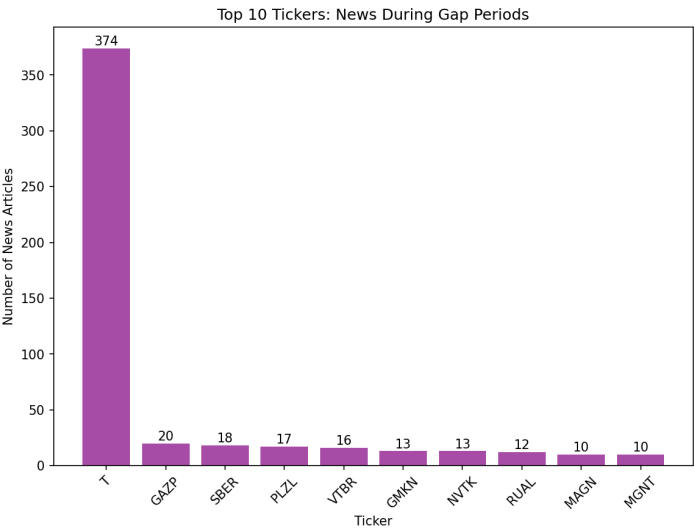
NVTK	478	2.0
MOEX	411	1.7
MGNT	317	1.3
LKOH	233	1.0
ROSN	221	0.9
AFLT	135	0.6
MTSS	119	0.5
PHOR	91	0.4
SIBN	65	0.3

5.2 Ticker Distribution per News Article:

Tickers per News	Frequency	Percentage
0.0	12235.0	50.7
1.0	9269.0	38.4
2.0	1284.0	5.3
3.0	547.0	2.3
4.0	195.0	0.8
5.0	61.0	0.3
6.0	39.0	0.2
7.0	252.0	1.0
8.0	83.0	0.3
9.0	60.0	0.2
10.0	32.0	0.1
11.0	24.0	0.1
12.0	25.0	0.1
13.0	11.0	0.0
14.0	4.0	0.0

15.0	2.0	0.0
16.0	2.0	0.0
17.0	1.0	0.0
18.0	1.0	0.0

6. Gap Period News Analysis



Gap News Summary

Metric	Value
Total Gap Days	557
Total Gap News	541
Avg News per Day	0.97

6.1 Gap Distribution Analysis:

Gap Duration	Frequency
1 days	18144
2 days	323
3 days	4268
4 days	226
5 days	76
6 days	1
7 days	3
27 days	17
31 days	1

32 days	2
First Record	19

6.1 Gap Period News Analysis:

Metric	Value
Total Gap Days	557
Total Gap News	541
Average News per Gap Day	0.97

6.1 Top 10 Tickers by Gap News Volume:

Ticker	Missed Days	Total News	News per Day
T	62	374	6.032258064516129
GAZP	26	20	0.7692307692307693
SBER	26	18	0.6923076923076923
PLZL	31	17	0.5483870967741935
VTBR	32	16	0.5
GMKN	32	13	0.40625
NVTK	26	13	0.5
RUAL	32	12	0.375
MAGN	26	10	0.38461538461538464
MGNT	26	10	0.38461538461538464
MOEX	26	10	0.38461538461538464
CHMF	26	8	0.3076923076923077
ALRS	26	8	0.3076923076923077
LKOH	26	4	0.15384615384615385
AFLT	26	2	0.07692307692307693
ROSN	26	2	0.07692307692307693
PHOR	26	2	0.07692307692307693

SIBN	30	1	0.03333333333333333
MTSS	26	1	0.038461538461538464

7. Conclusions

- The dataset shows good quality with only 38 duplicate records removed.
- High success rate of 49.3% in assigning tickers to news articles.
- Oil and gas sector dominates news mentions.
- Comprehensive coverage across 19 tickers.
- 2,623 news articles reference multiple tickers.