Hospital Review Analysis Dashboard

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Limit 200MB per file • CSV

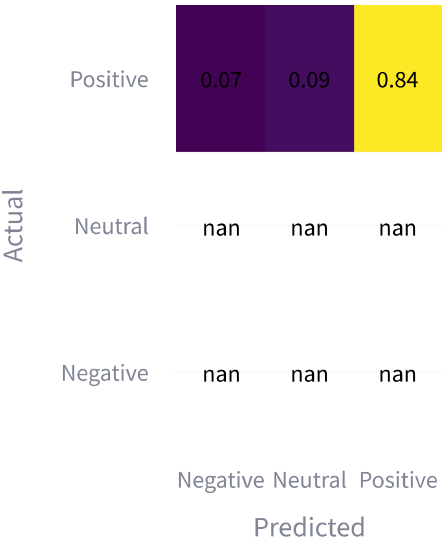[Browse files]

📄 short_dataset.csv 0.7MB   ✕
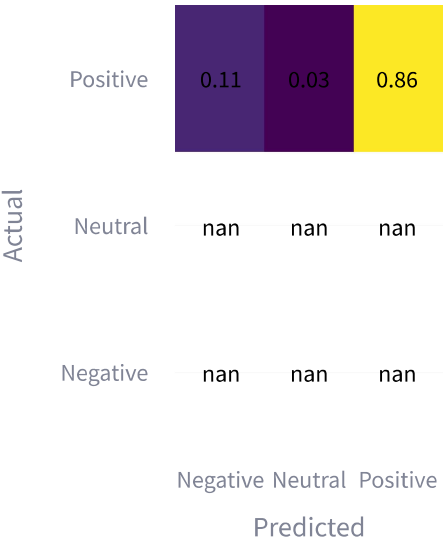
Confusion Matrix Analysis

These confusion matrices show how well each model's sentiment predictions align with the categorized actual ratings. The values show the proportion of each actual category that was predicted as each sentiment category.
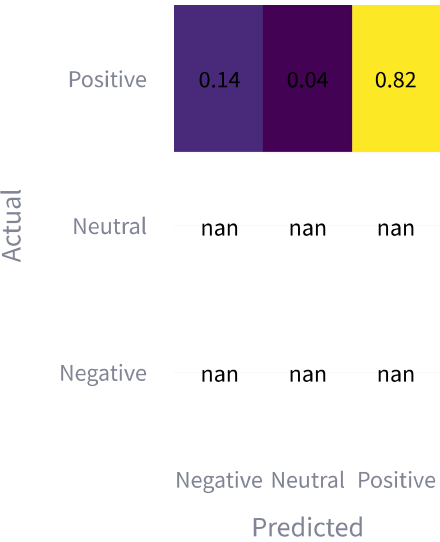
TEXTBLOB Confusion Matrix

	Negative	Neutral	Positive
Positive	0.07	0.09	0.84
Neutral	nan	nan	nan
Negative	nan	nan	nan

Actual / Predicted

VADER Confusion Matrix

	Negative	Neutral	Positive
Positive	0.11	0.03	0.86
Neutral	nan	nan	nan
Negative	nan	nan	nan

Actual / Predicted

BERT Confusion Matrix

	Negative	Neutral	Positive
Positive	0.14	0.04	0.82
Neutral	nan	nan	nan
Negative	nan	nan	nan

Actual / Predicted

Model Performance Summary

	Model	Overall Accuracy
0	textblob	nan%
1	vader	nan%
2	bert	nan%

Model Accuracy Analysis

Accuracy Metrics Comparison

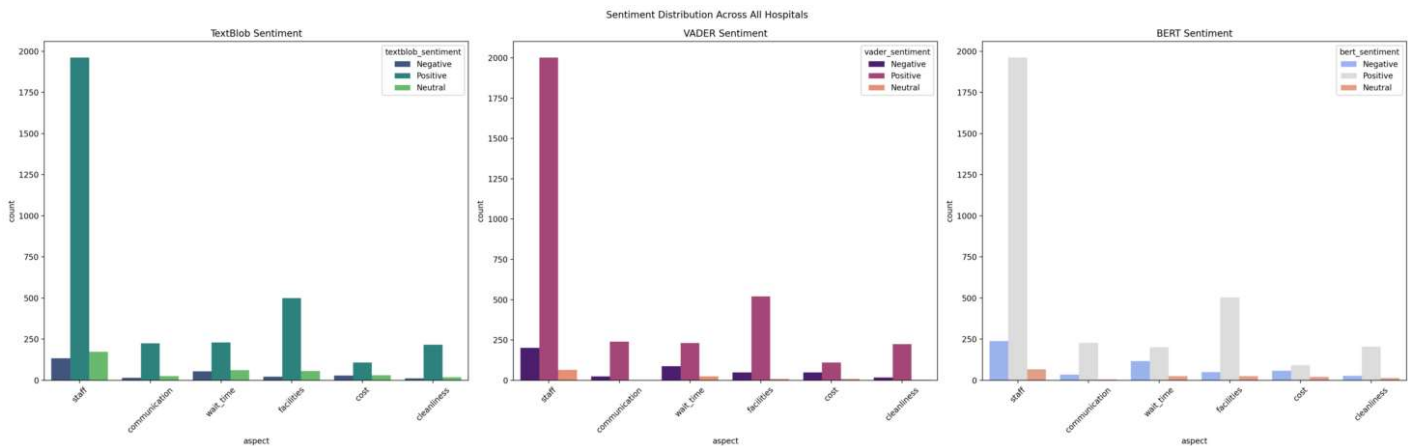|	Mean Squared Error	Accuracy (±1 point)	Correlation
textblob	1.670	48.8%	0.254
vader	1.697	78.5%	0.373
bert	1.513	77.5%	0.418
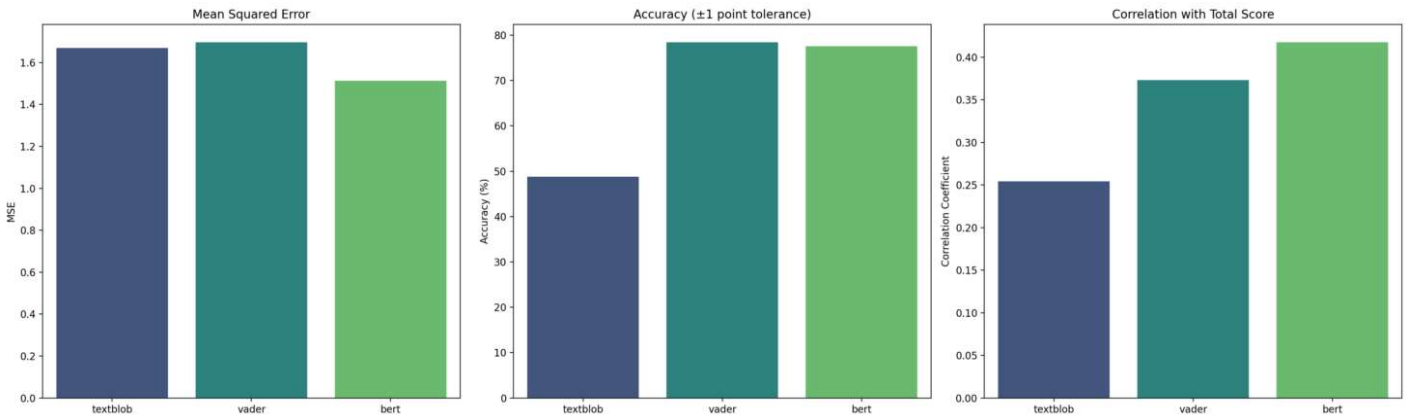
Predicted vs Actual Scores
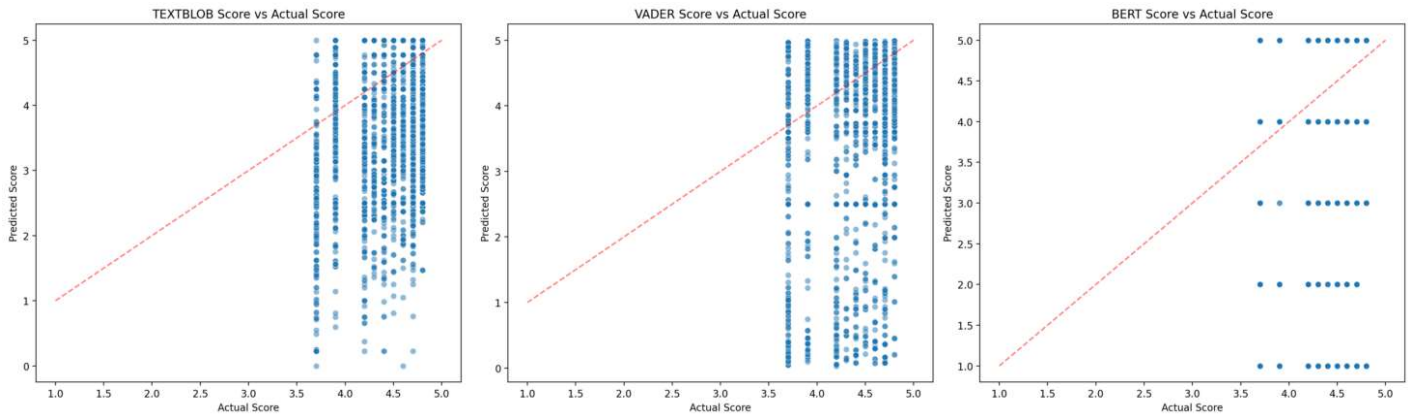
Sentiment Analysis

Overall Sentiment Distribution by Aspect

Aspect-Specific Analysis

Select aspect

| cleanliness ∨ |

Sort by

| Positive Sentiment % ∨ |

Detailed Metrics by Hospital and Aspect

	hospital	aspect	mentions	positive_pct	negative_pct	neutral_pct
71	Aditya Ashwini Hospital	staff	46	97.8%	0.0%	2.2%
50	Manipal Hospitals, Bhubaneswar	communication	41	97.6%	0.0%	2.4%
24	SUM Ultimate Medicare - Best Mult	cleanliness	76	97.4%	0.0%	2.6%
55	Apollo Hospitals	communication	37	97.3%	0.0%	2.7%
48	Manipal Hospitals, Bhubaneswar	staff	370	97.0%	1.6%	1.4%
52	Manipal Hospitals, Bhubaneswar	cleanliness	32	96.9%	0.0%	3.1%
47	Manipal Hospitals, Bhubaneswar	facilities	139	96.4%	1.4%	2.2%
56	Apollo Hospitals	facilities	259	95.8%	1.5%	2.7%
58	Apollo Hospitals	cleanliness	22	95.5%	4.5%	0.0%
53	Apollo Hospitals	staff	298	95.3%	1.3%	3.4%

Hospital-Specific Analysis

Select a hospital

Sunshine Hospital ⌄

Sentiment Distribution for Sunshine Hospital

Sentiment Distribution for Sunshine Hospital
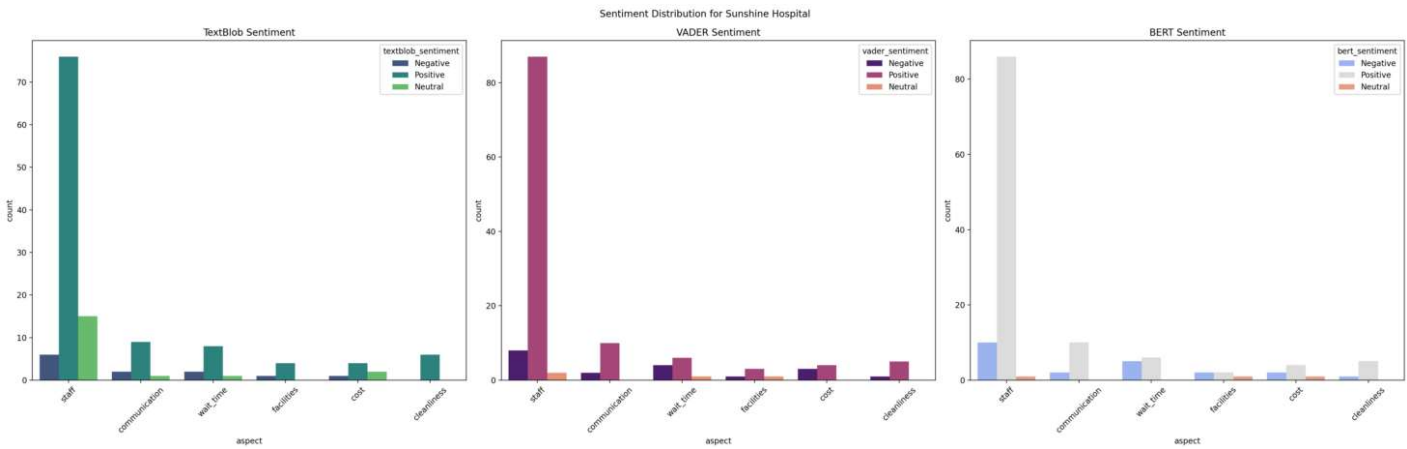
Model Performance Comparison

	Mean Squared Error	Accuracy (±1 point)	Correlation
textblob	2.255	38.4%	0.000
vader	2.183	74.6%	0.000
bert	2.040	81.9%	0.000

Summary Statistics

	Metric	Value
0	Total Reviews	138
1	Average Rating	4.60
2	Most Mentioned Aspect	staff
3	Best Performing Model	BERT