

# Sentiment Analysis Report: Demon Slayer: Kimetsu no Yaiba Infinity Castle | MAIN TRAILER

Video ID: x7uLutVRBfI

## Analysis Summary & Model Performance

RANDOM FOREST SENTIMENT ANALYSIS REPORT: Demon Slayer: Kimetsu no Yaiba Infinity Castle  
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=====  
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Total Comments Analyzed (English only): 3063

Model: Optimized Random Forest Classifier

--- Model Performance (on Test Set) ---

	precision	recall	f1-score	support
negative	0.64	0.60	0.62	83
neutral	0.85	0.86	0.86	446
positive	0.82	0.81	0.81	237
accuracy			0.82	766
macro avg	0.77	0.76	0.76	766
weighted avg	0.82	0.82	0.82	766

--- Best Hyperparameters ---

```
{'n_estimators': 300, 'min_samples_split': 10, 'min_samples_leaf': 2, 'max_features': 'sqrt', 'max_depth': None, 'class_weight': 'balanced_subsample', 'bootstrap': False}
```

--- Top 20 Most Influential Phrases ---

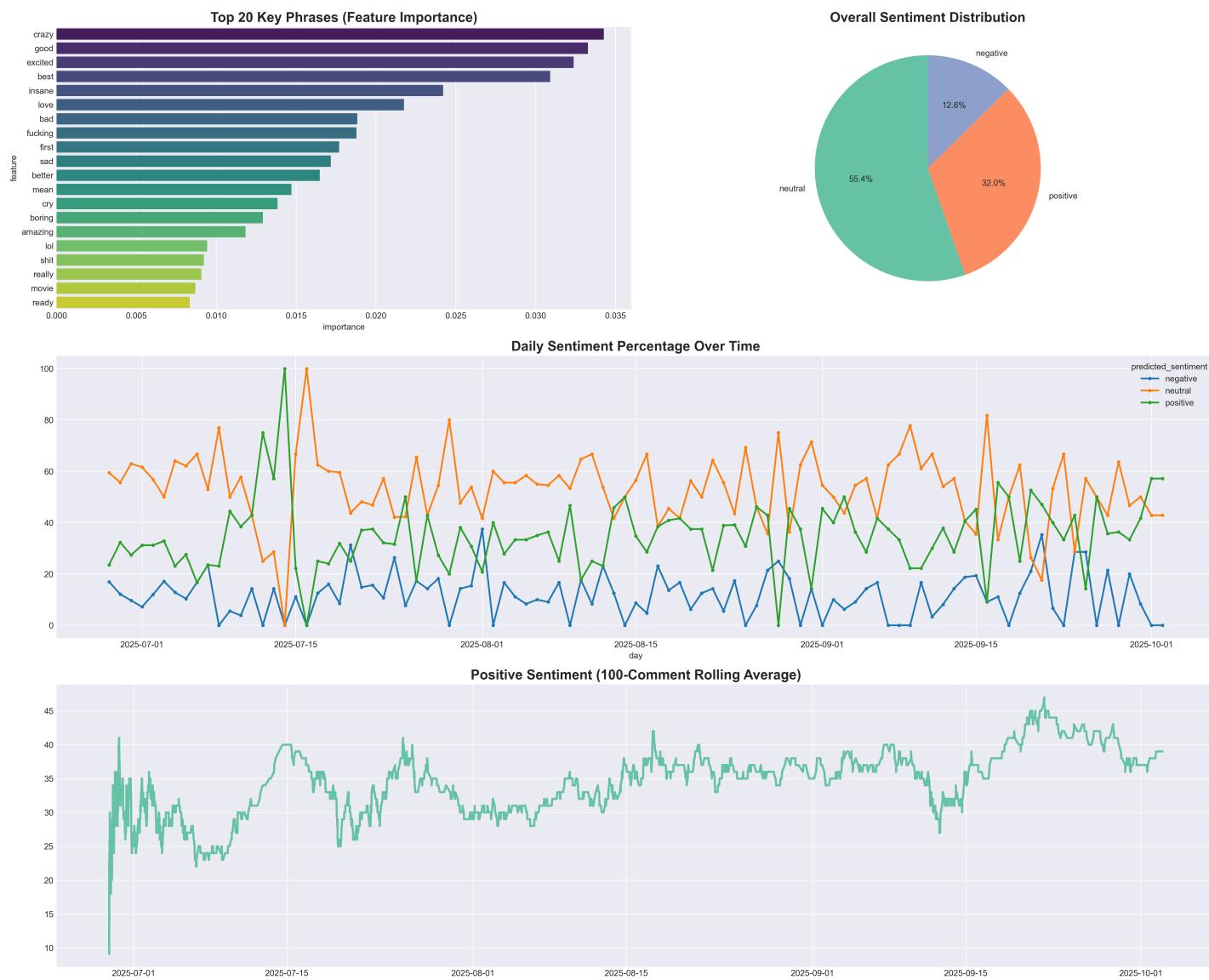
feature	importance
crazy	0.034271
good	0.033269
excited	0.032374
best	0.030910
insane	0.024209
love	0.021757
bad	0.018828
fucking	0.018785
first	0.017700
sad	0.017167
better	0.016488
mean	0.014704
cry	0.013844
boring	0.012927
amazing	0.011835
lol	0.009434
shit	0.009229
really	0.009059
movie	0.008694
ready	0.008342

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## Analysis Dashboard

### Random Forest Sentiment Analysis: Demon Slayer: Kimetsu no Yaiba Infinity Castle | MAIN TRAILER



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## Sentiment Word Clouds

