Output:

== PREDICTION OUTPUT ===

Text: Aliens have landed in the White House.

Actual: Fake | Predicted: Fake

Text: Government confirms tax cuts.

Actual: Real | Predicted: Fake

Text: The economy is booming under new policy.

Actual: Real | Predicted: Fake

=== CONFUSION MATRIX ===

	Predicted Real	Predicted Fake
Real	0	2
Fake	0	1

Confusion Matrix Heatmap

KDE Plot of Fake News Prediction Probabilities

Box Plot: Text Length by News Label

Line Plot: Accuracy Trend with More Data