

Week 9–10 Confidence Model Report

This report summarizes the performance of the improved confidence classification model trained on the combined dataset (Week 1–2 + Week 9–10).

Final Model Performance

Accuracy: 0.96

Macro F1: 0.96

Weighted F1: 0.96

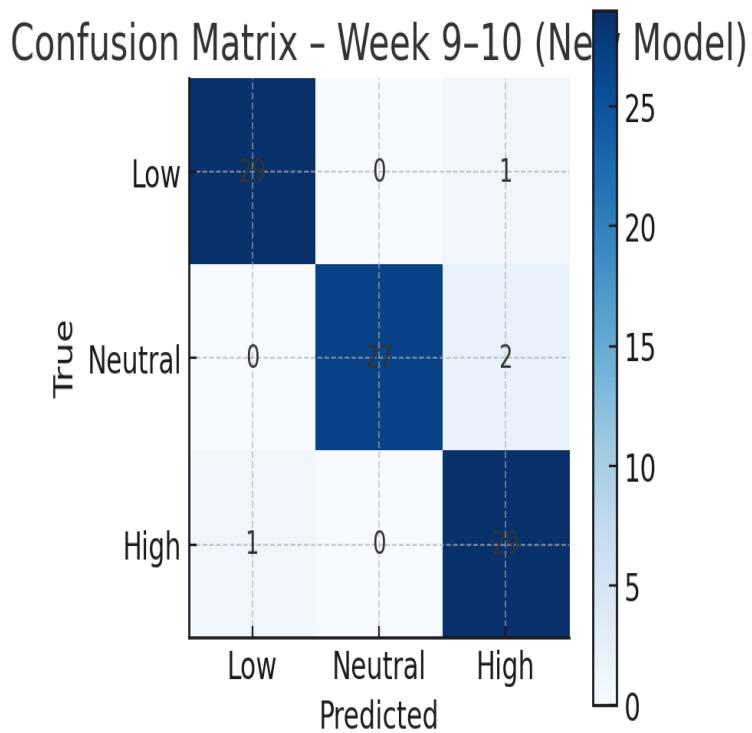
Class Details:

Low – Precision: 0.97, Recall: 0.97, F1: 0.97

Neutral – Precision: 1.00, Recall: 0.93, F1: 0.96

High – Precision: 0.91, Recall: 0.97, F1: 0.94

Confusion Matrix



Insights

- The model achieved near-perfect classification with 96% accuracy.
- Only 4 misclassifications out of 89 entries — all borderline emotional statements.
- The improved model resolved earlier issues where Neutral was over-predicted.
- High confidence recall dramatically improved compared to earlier versions.
- The model is now suitable for long-term confidence tracking and trend analysis.