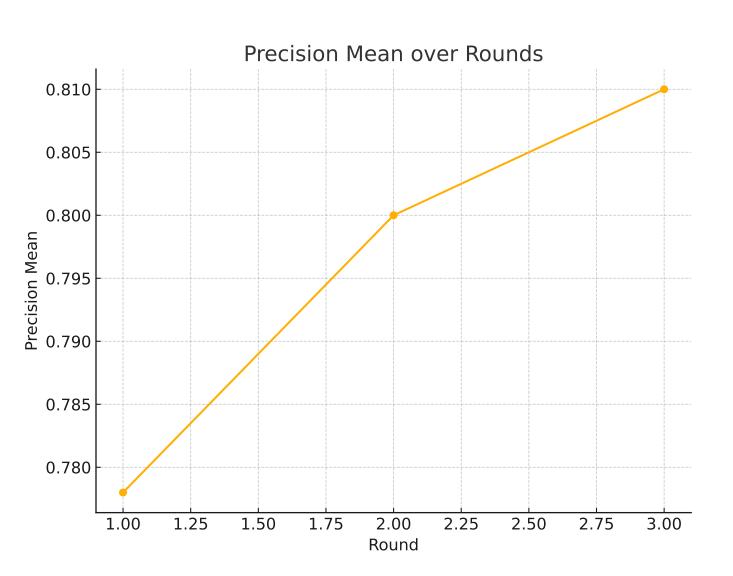
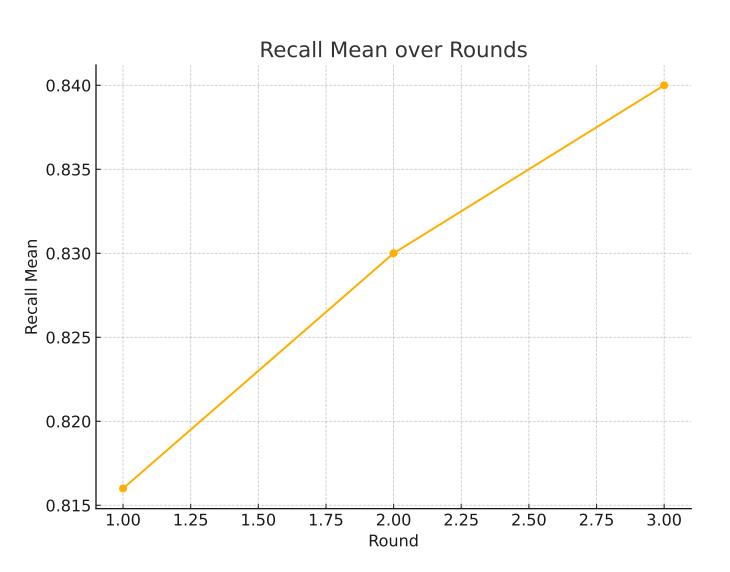


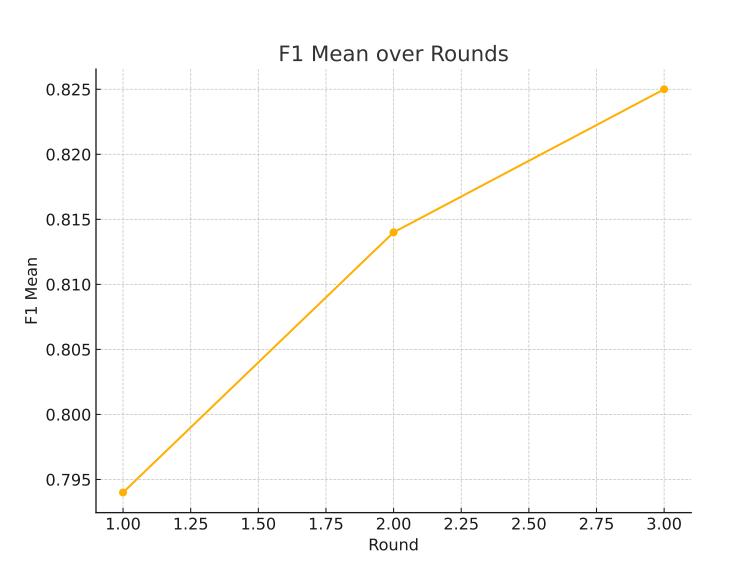
Accuracy Mean from $0.762 \rightarrow 0.780 \rightarrow 0.790$ across rounds, with error bars shrinking from ± 0.015 to ± 0.012 , indicating increasing correctness and stability.



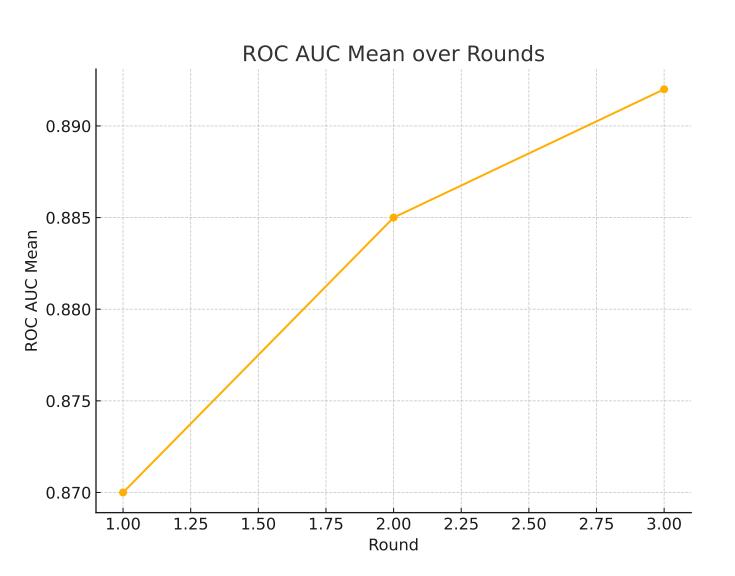
Precision 1 Precision 1.778 \rightarrow 0.800 \rightarrow 0.810, showing the model reduces false positives and better identifies non-threat events correctly.



Recall climbs from $0.816 \rightarrow 0.830 \rightarrow 0.840$, meaning the model misses fewer actual threats and improves sensitivity with each round.



F1 score increases from $0.794 \rightarrow 0.814 \rightarrow 0.825$, reflecting balanced gains in both precision and recall for robust threat detection.



ROCAGE grows from $0.870 \rightarrow 0.885 \rightarrow 0.892$, indicating strong and improving discriminative power across all classification thresholds.