

AAPL - Ensemble Validation Summary

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EXECUTIVE SUMMARY

Metric	Value
Best Approach	ML + LLM
Best MAPE	6.36%
Validation Rounds	4

APPROACH COMPARISON

Approach	Revenue	Net Income	Assets	Equity	Overall
ML Only	3.33%	14.04%	3.18%	8.41%	7.77%
ML + LLM	3.33%	6.40%	3.25%	8.63%	6.36%
Pure LLM	8.58%	12.09%	3.57%	2.49%	7.80%

METHODOLOGY

ML Only: XGBoost Quantile Regression + Accounting Engine

ML + LLM: ML growth prediction + LLM margin adjustments

Pure LLM: LLM directly predicts all financial values