GOOGL - Ensemble Validation Summary

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EXECUTIVE SUMMARY

Metric	Value
Best Approach	ML + LLM
Best MAPE	9.67%
Validation Rounds	4

APPROACH COMPARISON

Approach	Revenue	Net Income	Assets	Equity	Overall
ML Only	2.44%	21.41%	6.74%	3.23%	12.01%
ML + LLM	2.44%	13.72%	6.58%	3.04%	9.67%
Pure LLM	8.49%	21.65%	12.48%	13.23%	29.02%

METHODOLOGY

ML Only: XGBoost Quantile Regression + Accounting Engine

ML + LLM: ML growth prediction + LLM margin adjustments

Pure LLM: LLM directly predicts all financial values