

PG - Ensemble Validation Summary

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EXECUTIVE SUMMARY

Metric	Value
Best Approach	ML + LLM
Best MAPE	5.03%
Validation Rounds	4

APPROACH COMPARISON

Approach	Revenue	Net Income	Assets	Equity	Overall
ML Only	1.76%	19.88%	1.99%	1.64%	7.08%
ML + LLM	1.76%	9.99%	2.20%	1.64%	5.03%
Pure LLM	4.45%	11.79%	1.13%	3.68%	9.08%

METHODOLOGY

ML Only: XGBoost Quantile Regression + Accounting Engine

ML + LLM: ML growth prediction + LLM margin adjustments

Pure LLM: LLM directly predicts all financial values