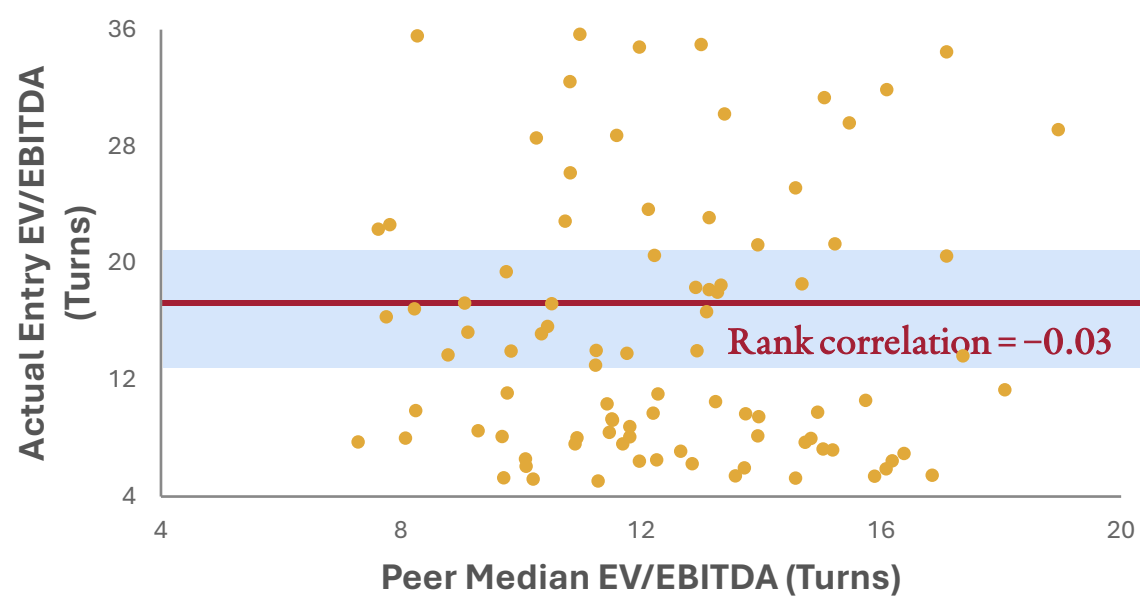


01 THE PROBLEM
The “right” multiple is among the noisiest number in finance

Current Valuation Process

Currently, deal teams use **peer medians** to estimate the valuation (multiple; EV/Revenue or EV/EBITDA) of a company they are looking to purchase. The correlation between Advent’s entry multiples and these peer medians is almost 0.

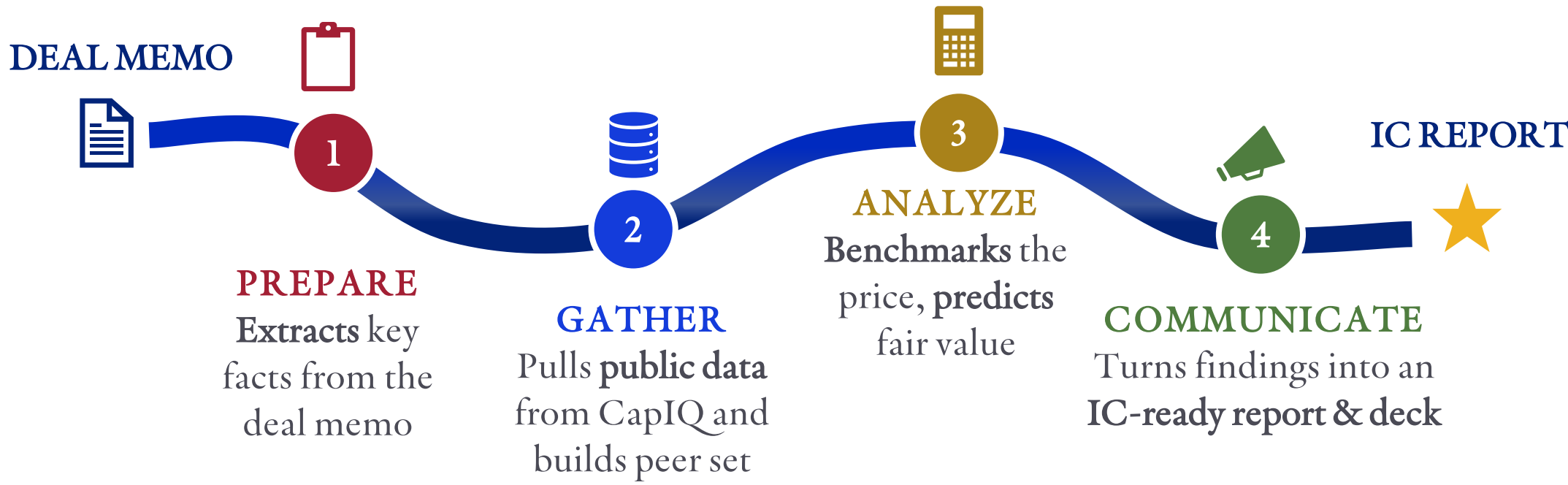


Current Benchmarking Process

- Manual and slow**
Reviewing peers and metrics manually is **tedious and not exhaustive**.
- Different every time**
Every team benchmarks its own way, creating **recency and availability bias**.
- No sanity check**
No systematic indication that a proposed valuation or benchmark is fair given public or private data.

02 METHODOLOGY
An agentic workflow grounded in market evidence

10 AGENTS · 4 PHASES

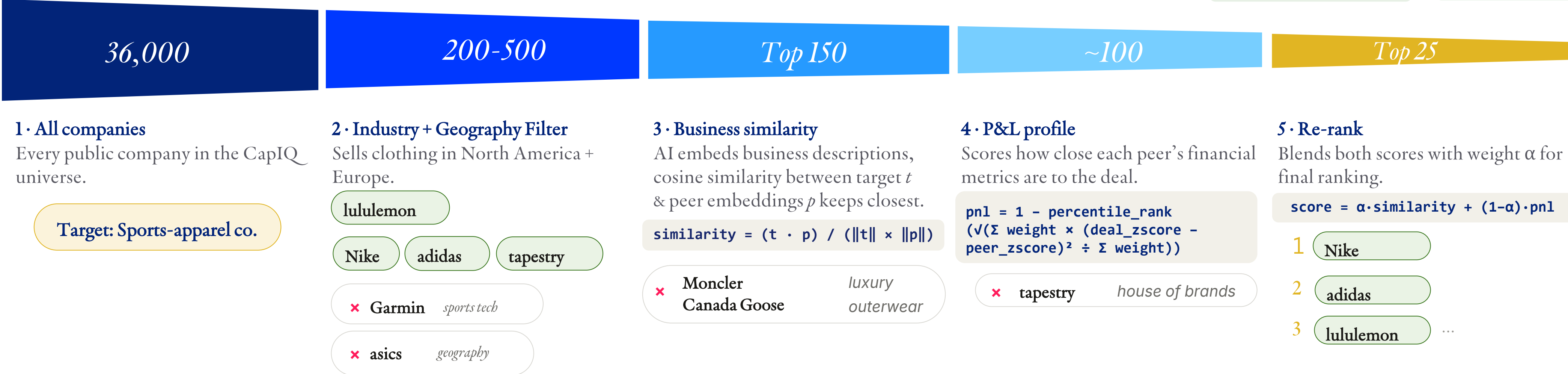


FOR THE DEAL TEAM
Widen **peer net**, systematically sanity-checks peers and their credibility

FOR THE IC
See if valuation is **too high or low** given public market, peers, and past

03 THE BENCHMARKING TOOL
38,000 public companies filtered to top 25 best peers

31% overlap with credible manually selected peers
+21% net-new credible peers



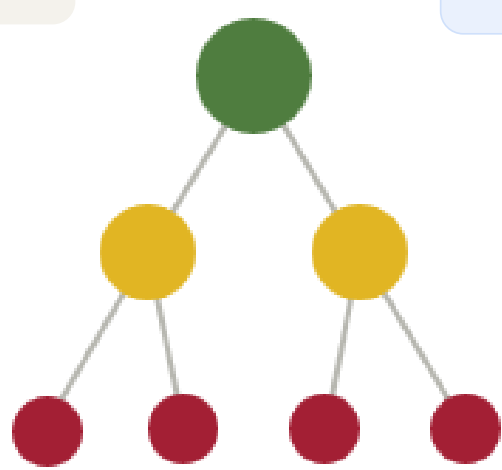
04 SHARPER TAXONOMY
Clustering business description embeddings for better industry classification

CAPITAL IQ TAXONOMY

11	Sector
25	Industry group
74	Industry
163	Sub-industry

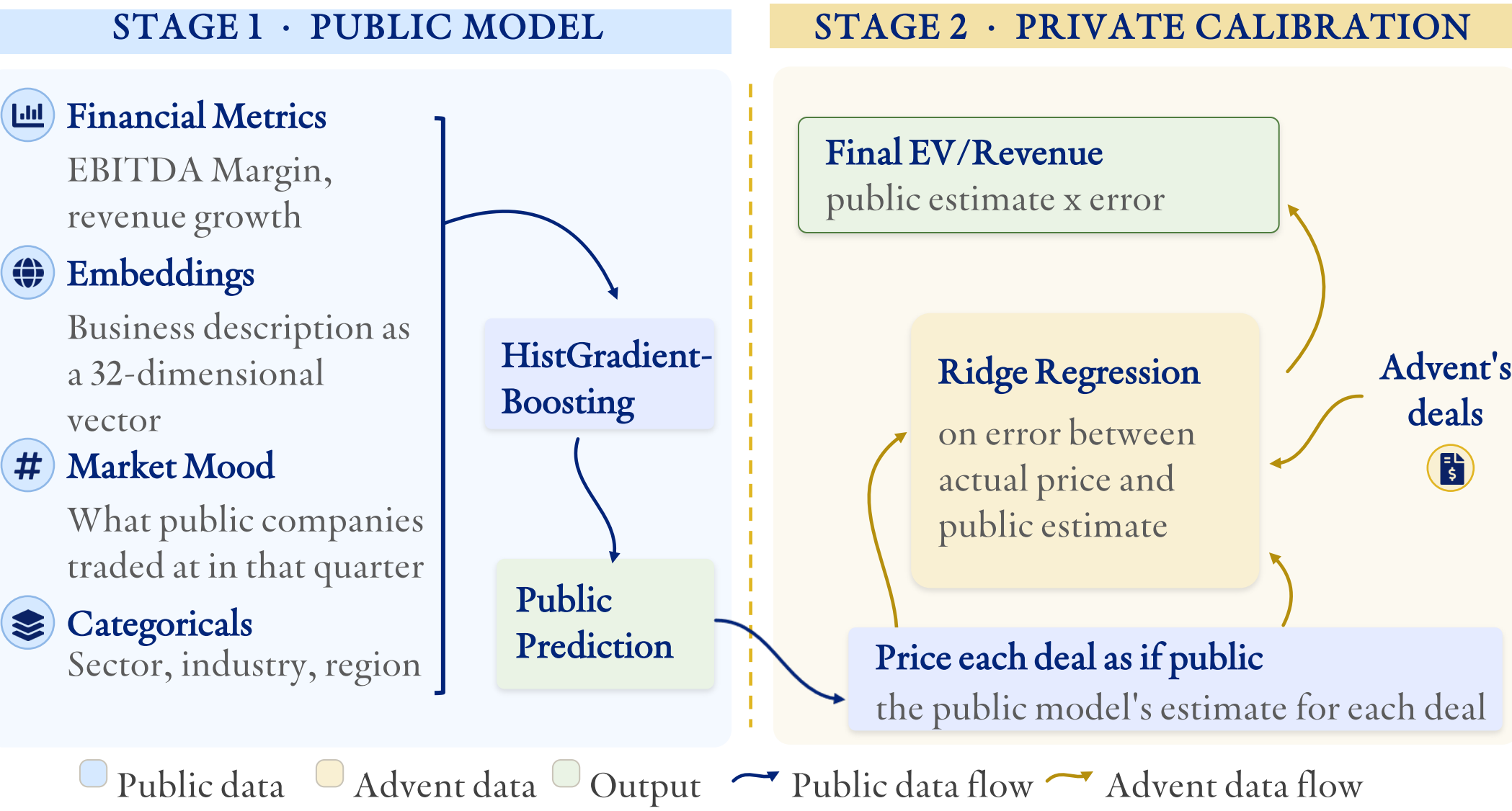
AFTER CLUSTERING

Level 1	17
Level 2	74
Level 3	219

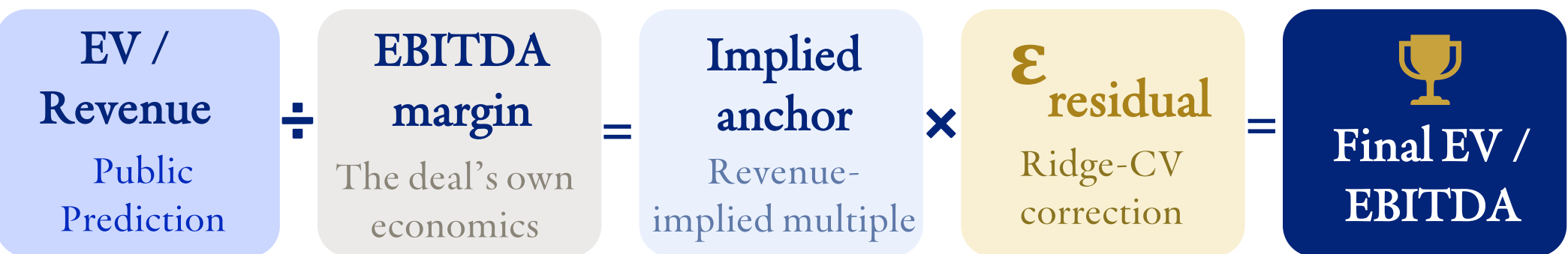


A **nested K-means tree** over **Gemini-enriched business descriptions** replaces the CapIQ hierarchy so peers can be grouped more precisely by what they *actually* do.

05 THE TWO-STAGE VALUATION MODEL
P2P: Public to Private Pricing Calibration



06 BACK CALIBRATION
Recovering the EV/EBITDA multiple from the EV/Revenue prediction

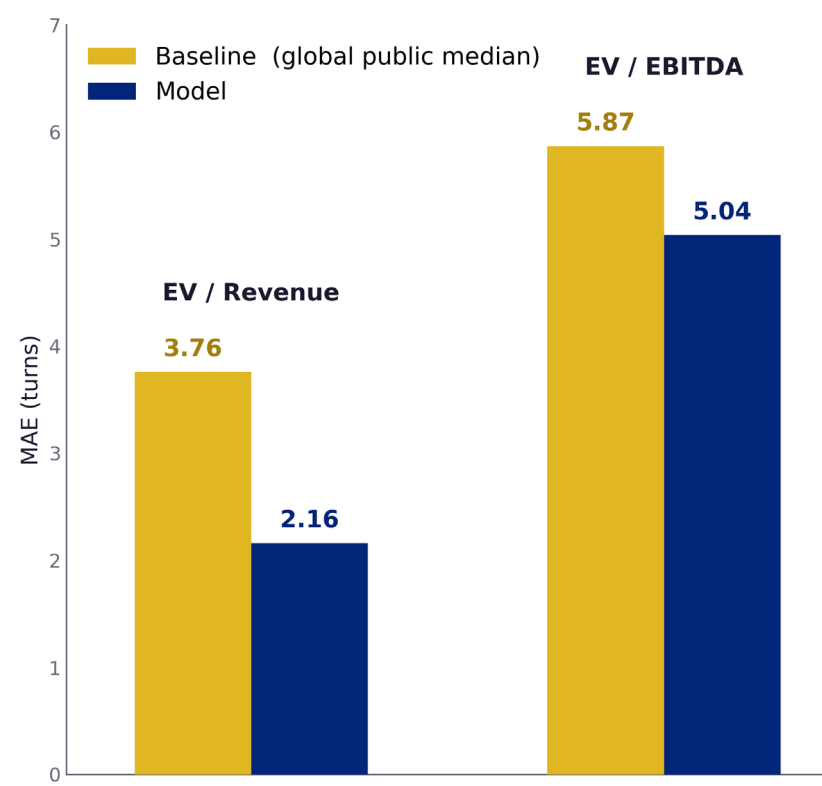


Since EV/EBITDA is **too noisy to model directly**, it’s anchored to the stronger EV/Revenue model via their accounting identity and a small, interpretable correction

07 RESULTS
Improvement over baseline (MAE)

Average Improvement
+42.6% EV / Revenue, +14.2% EV / EBITDA

- Health Care** Strongest overall, +47.5% EV / Revenue, +23.4% EV / EBITDA
- IT** Second strongest, +45% EV / Revenue and +21.7% EV / EBITDA
- Consumer** Most variance in performance +45.6 % EV / Revenue, +1.1% EV / EBITDA



08 BUSINESS IMPACT
How the IC workflow will transform when this scales

