

Disha Analytics

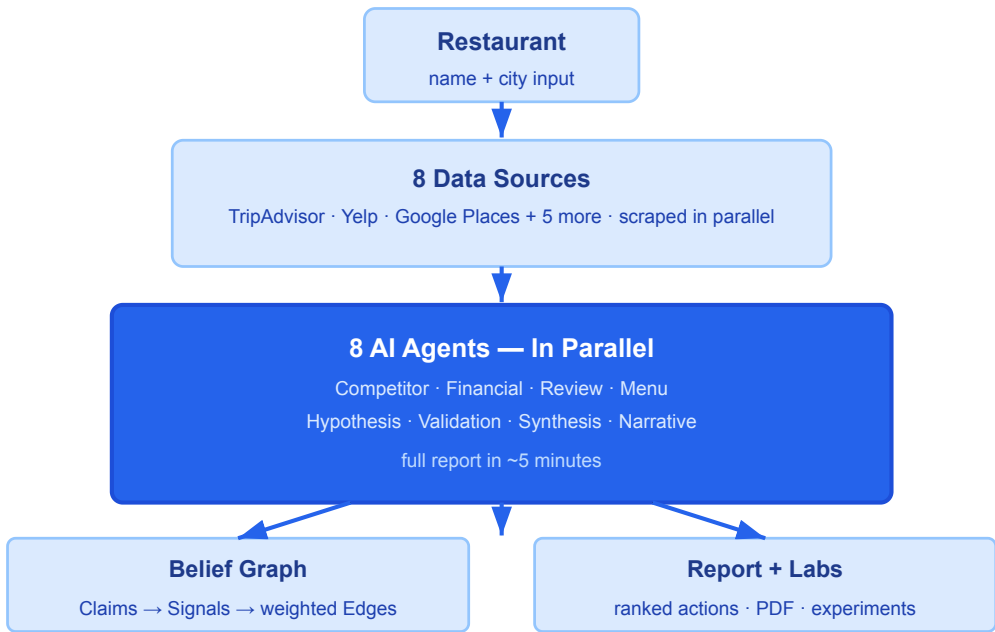
Compresses two analyst-days of restaurant research into a five-minute, AI-generated intelligence report with a ranked action plan.

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THE PROBLEM

Independent restaurant owners make operational decisions without structured data. They know something is wrong — mixed reviews, thin margins — but cannot afford consultants and have no tool that turns scattered signals into a clear, prioritised action plan. A senior analyst would take a week. The data exists; the bottleneck is the pipeline to process it.

ARCHITECTURE & DATA FLOW



WHAT I BUILT

- › Input: restaurant name and city. Output: a ranked action plan in ~5 minutes. Eight specialist AI agents run in parallel — competitor, financial, review, menu, hypothesis verifier, validation, synthesis, and owner narrative.
- › Scrapes 8 public sources (TripAdvisor, Yelp, Google Places, and others) and benchmarks every finding against local competitors automatically.
- › Belief graph: every conclusion maps to a specific raw observation via Claims, Signals, and weighted Edges. No black-box outputs — every recommendation is citable and traceable.
- › Labs module auto-generates statistically valid experiments from the report findings: switchback design, duration, sample size, and success criteria written from a single plain-English hypothesis.
- › Three delivery modes: Public Scan (public data only), Validated Report (owner financials included), Owner Walkthrough (decision deck). PDF reports via WeasyPrint.

WHAT THIS DEMONSTRATES

The consulting instinct from Amazon, productised as a B2B SaaS — taking a complex data problem, defining a structured output format, and delivering it under time pressure at production scale. Validated with a restaurant in Luxembourg as the first pilot report.

KEY NUMBERS

8

specialist
AI
agents

8

public
data
sources

~5m

per
report

3

delivery
modes

TECH STACK

Django 5

React 18

PostgreSQL

Celery

Redis

WeasyPrint

Hetzner

Claude API

Docker

Sameer Bhalerao

Senior Analytics & AI
Leader · Luxembourg
11+ years · 9 years at
Amazon (L6)
Built end-to-end, solo

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