Agentic Reporting System: Automated Multi-Source Data & Reports

NeuroFlo

Data Bots

The "inference" that pulls and processes data from multiple sources:
- ✓ Auto-wraps APIs, Excel, EHR without coding
- ✓ Uses RAG to retrieve context from databases
- ✓ Handles initial data processing and insight generation
- ✓ Multiple bots collaborate for holistic view

Report Bots

The "synthesizer" that structures and visualizes data:
- ✓ Takes inferences from single or multiple Data Bots
- ✓ Applies visualization tools and calculations
- ✓ Schedules recurring reports and summaries
- ✓ Outputs structured PDFs with KPI trends

Multi-Report Bots

The "time-series analyzer" that finds patterns:
- ✓ Saves and compares finished reports over time
- ✓ Infers patterns (e.g., "Readmissions up due to infections")
- ✓ Generates advanced visuals and forecasts
- ✓ Creates holistic multi-source insights

Example Flow

Step 1: API wrapper auto-generates code to pull Cerner EHR data without programming

Step 2: Bot infers complication rates and risks from multiple data sources

Step 3: Multi-Report Bot combines with billing data to forecast denials and revenue impact

Benefits & Benchmarks

80% Faster
Report generation in pilot tests

15-20%
Operations waste eliminated

$2-3M ARR
Potential from enterprise analytics

Investor takeaway: Enables scalable custom reports; $2-3M ARR from enterprise analytics; benchmark: 80% faster reporting in pilot.