

AI & Data Science on Snowflake

Cortex AI, ML Ops, and production-ready data science — SQL-native, no Python required

WHEN TO BRING US IN

Your customer says:

- "We want to do AI but our data team doesn't have Python expertise"
- "Our ML models are stuck in notebooks — we can't get them to production"
- "We need predictive analytics but don't want to build a data science team"
- "We want to add AI features to our app without moving data out of Snowflake"

FLAGSHIP SOLUTIONS

Cortex AI Quick Start

Production-ready Cortex AI in weeks — forecasting, classification, and LLM apps.

ACCELERATORS:

- Cortex ML function templates
- LLM prompt engineering
- Streamlit app scaffolds

⚡ First AI use case in 4 weeks

ML Ops & Model Factory

Operationalize ML models with automated training, versioning, and monitoring.

ACCELERATORS:

- Feature store patterns
- Model registry setup
- Drift detection pipelines

⚡ Notebook to production in days

AI-Powered Applications

Build intelligent apps with Streamlit, Document AI, and Cortex Search.

ACCELERATORS:

- RAG pipeline templates
- Document AI extractors
- Chatbot frameworks

⚡ Custom AI app in 6 weeks

THE CORTEX ADVANTAGE

SNOWFLAKE CORTEX

- ✓ SQL-native — analysts can build AI
- ✓ No data movement — runs in Snowflake
- ✓ Governed by default — inherits policies
- ✓ Pay-per-query — no cluster management

TRADITIONAL ML PLATFORMS

- ✗ Python-first — requires data scientists
- ✗ Data export — security & latency issues
- ✗ Separate governance — policy sprawl
- ✗ Always-on clusters — cost overruns

AI COE TOOLKIT

FORECASTING

- Demand prediction
- Revenue forecasting
- Inventory optimization

ANOMALY DETECTION

- Fraud detection
- Quality monitoring
- Operational alerts

CLASSIFICATION

- Customer segmentation
- Churn prediction
- Risk scoring

AI AGENTS

- Automated workflows
- Task orchestration
- Human-in-the-loop

LLM / GENAI

- RAG applications
- Document extraction
- Intelligent search

SEMANTIC LAYER

- Cortex Analyst setup
- Natural language queries
- Business glossaries

AI GOVERNANCE

- Model audit trails
- Bias detection
- Explainability reports

AI WORKFORCE

- Process automation
- Intelligent assistants
- Autonomous pipelines

PROOF POINTS

National Retailer

Cortex demand forecasting live in 4 weeks. Reduced stockouts by 28%. Business analysts now building their own ML models.

Insurance Company

Document AI for claims processing. 60% reduction in manual review. RAG-powered chatbot for policy questions.

WHY THIS MATTERS FOR SNOWFLAKE

HIGH CONSUMPTION

Cortex AI workloads = significant compute credits on every query

CORTEX SHOWCASE

We make Cortex real — not just a slide deck, but production AI

COMPETE & WIN

Beat Databricks on speed, simplicity, and democratization

READY TO WIN TOGETHER?

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