Introduction to Data Science with Snowflake

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About me

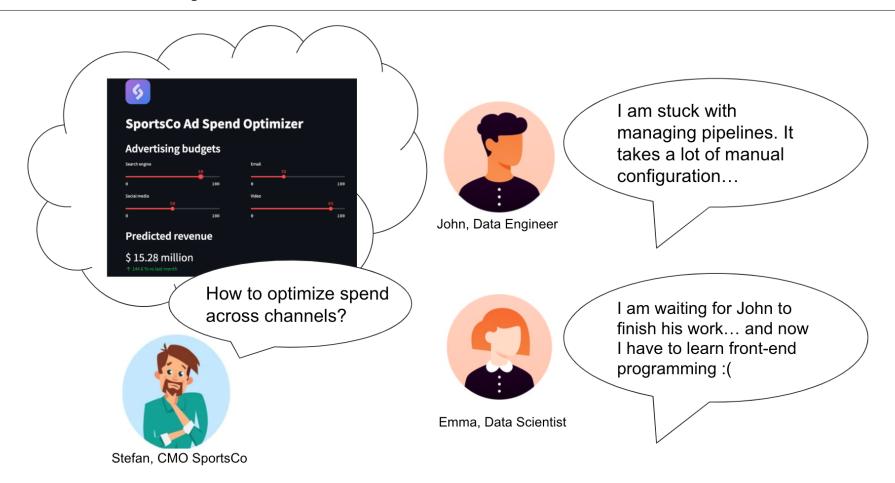
- My data journey: DWH, BI, Big Data, Data
 Science & ML
- □ electronic & classical music, jazz
- books and podcasts



Agenda

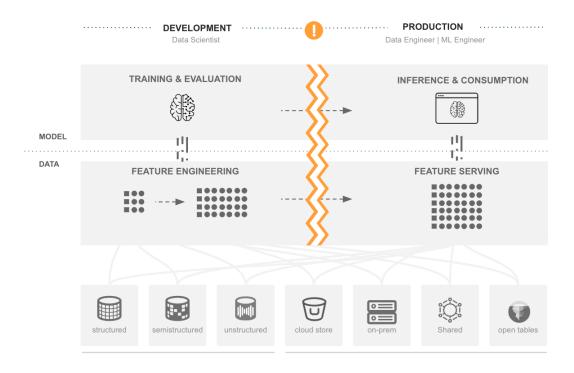
- Step1: Fix your Data Foundation
- Step 2: Simplify your Data Pipeline
- Step 3: Remove bottlenecks with elastic processing
- Step 4: Build and deploy from your tool of choice
- Step 5: Make your model actionable in minutes

Every data science task starts with a business problem....



And a lot of challenges...



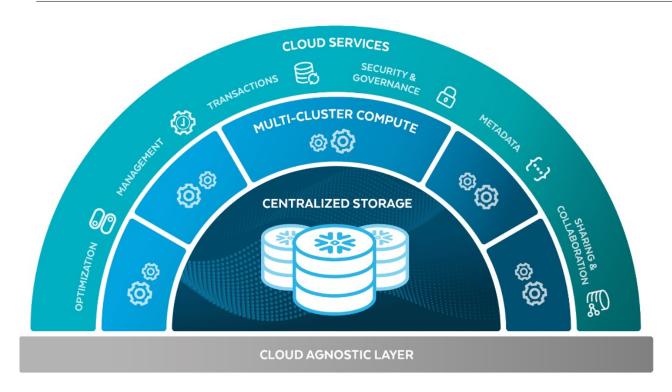


Siloed teams & tools

Processing complexity

Broken data foundation

Why Snowflake?



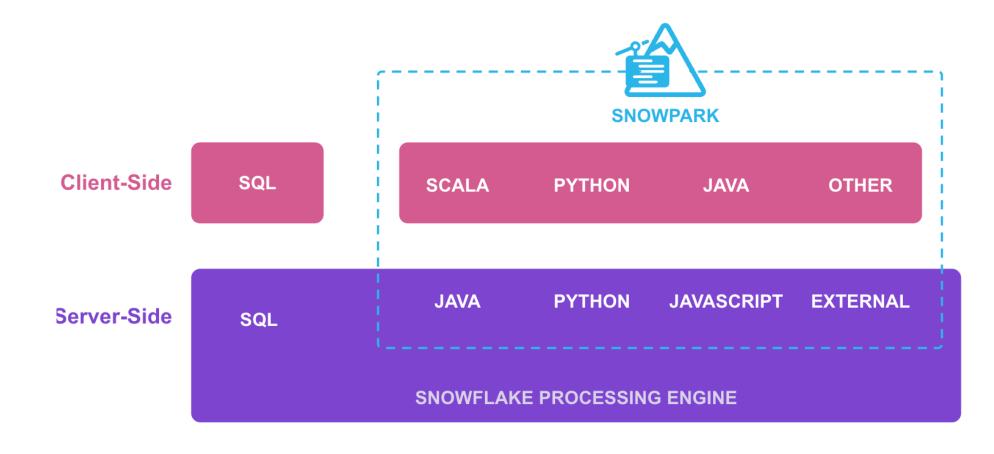
- ✓ Fully managed
- ✓ Multi-language, elastic engine
- ✓ Unified Data Access







Meet Snowpark



Why Snowpark for Python?



Familiar Programming Constructs

Use familiar syntax with DataFrame abstraction



Rich Ecosystem

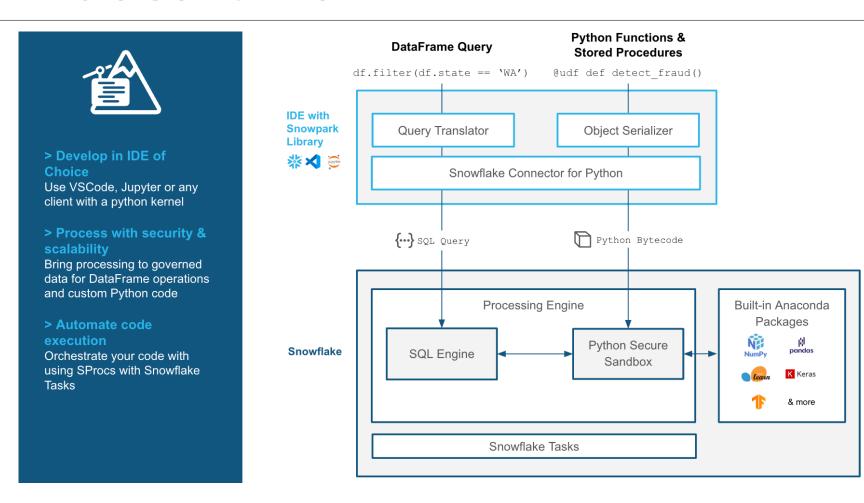
Easy access to thousands of packages with automated dependency management



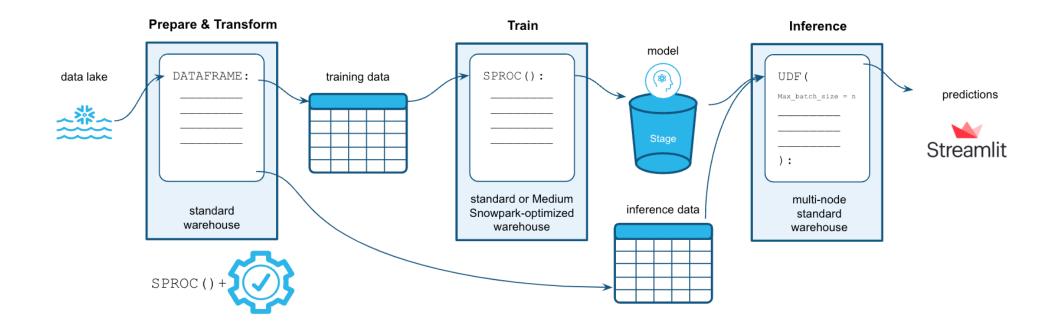
Secure Processing

Build with confidence in a highly secure, sandboxed environment

How does it work?

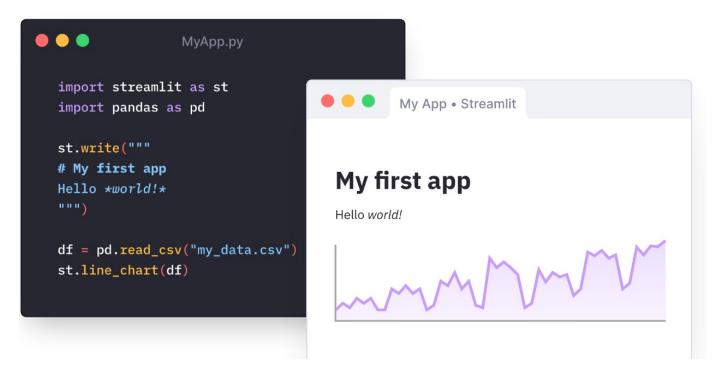


Workshop flow



Streamlit

The fastest tool for data scientists and ML engineers to create a visual, interactive data apps. It gets you from a simple Python script to a data app in minutes!



Conclusion

Bring the code to data!

Familiar syntax
Rich ecosystem
Scalable
Fully managed
Secured, governed

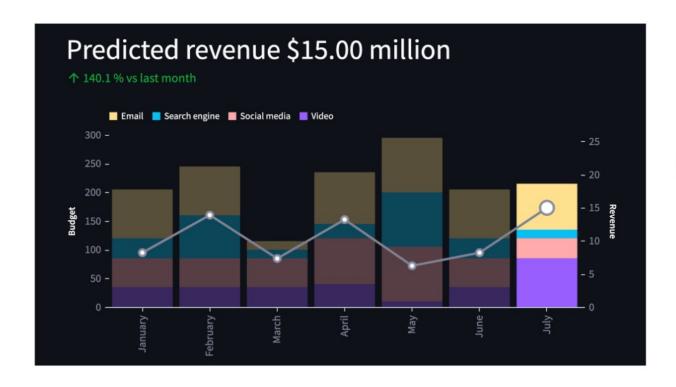
Data engineering at scale
Automated
data pipelines
Easy monitoring and
debugging

Fast learning curve
Easy deployment
Automated package
management
Fast web app development











Stefan, CMO SportsCo



```
if questions:
    try:
        answer()
    except RuntimeError:
        pass
else:
    print("Thank You.")
```