Next-Gen Data Science
Trends, Tech & Transformation

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A2025 **Logistics**

Online Infrastructure

- GitHub Account
- Databricks Community Account
- Google Colaboratory
- OpenAI Platform Account
- Pinecone API Account
- Hugging Face Account

Software (Local Environment)

Microsite and Resources

- Workshop Microsite

A2025 Agenda

- Introduction to Data Science

- Source Code Management & GitHub

- Building a Data Science Solution

  - A Workflow

  - Building a regression solution

  - Building a Classification solution

  - Building a Time Series solution

- Managing Data Science in a Big Data Environment

- Introduction to Generative AI

  - Building Generative AI Solution

  - Building Generative AI Solution (RAG Based)

  - Building an Agent

- Introduction to Cloud