



SUPPORT
SUPPORT
VECTØRS

TECHNICAL EXCELLENCE & TRUSTWORTHINESS

LLM-Bootcamp

Lesson plan for Week 1: Orientation

A photograph of a Sherpa person carrying a large, heavy load on their back, walking through a rugged, mountainous landscape. The person is wearing a traditional red garment and a large, woven basket-like pack. In the background, majestic snow-capped mountains rise against a dark, cloudy sky.

**Sherpas on your
journey**

Introduction to SupportVectors



Translates bleeding edge research & innovations into high-impact, cost effective AI/ML products and platforms

Has decades of experience and a track record of success in enterprise AI products and platforms



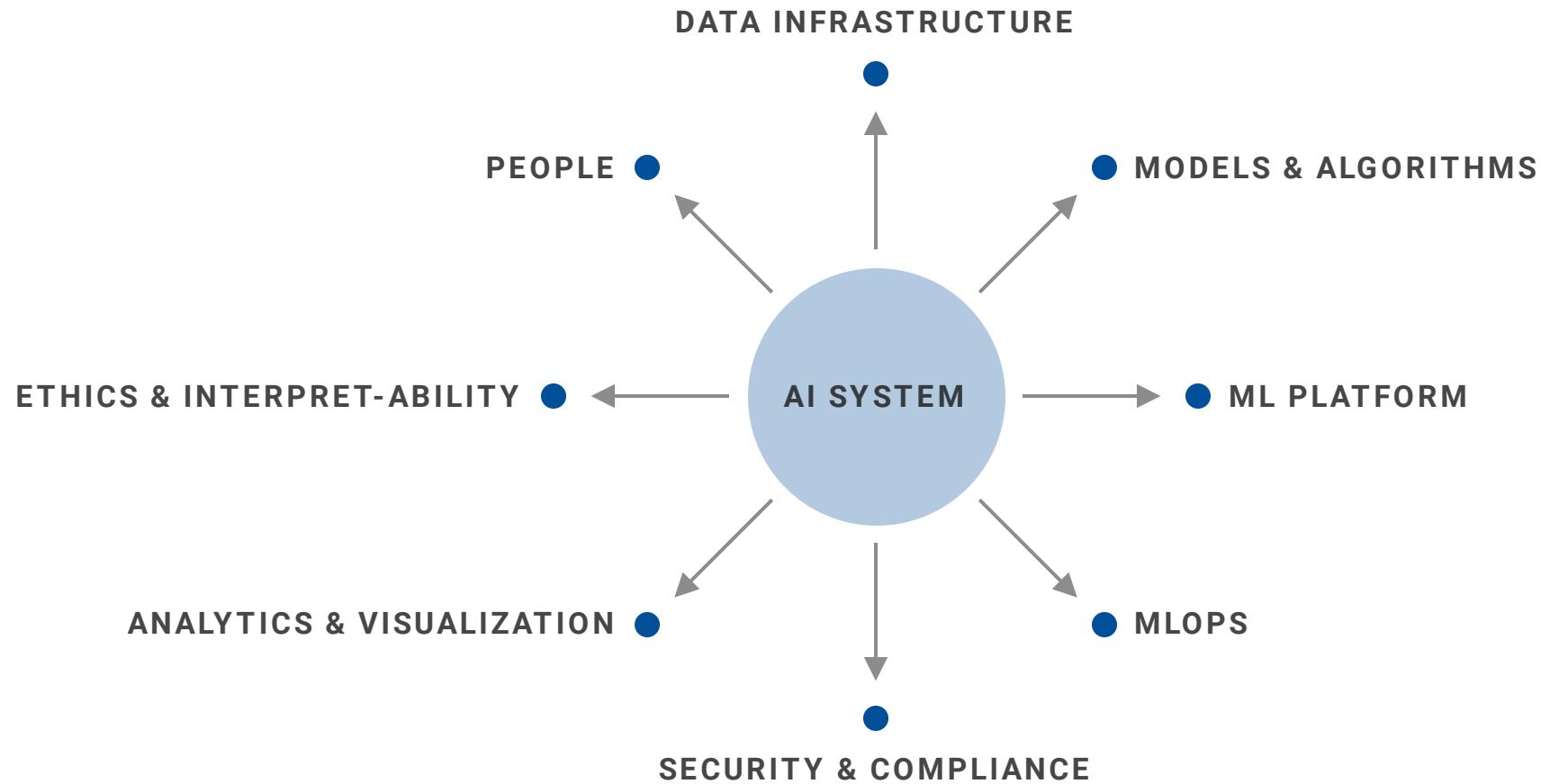
The Landscape of the Enterprise AI System

Going from theory:

$$\omega := \omega - \alpha(t; k) \nabla_{\omega} \mathcal{L}(\omega; \mathbf{x}, y)$$

to an enterprise-scale, robust and high-performance architecture.

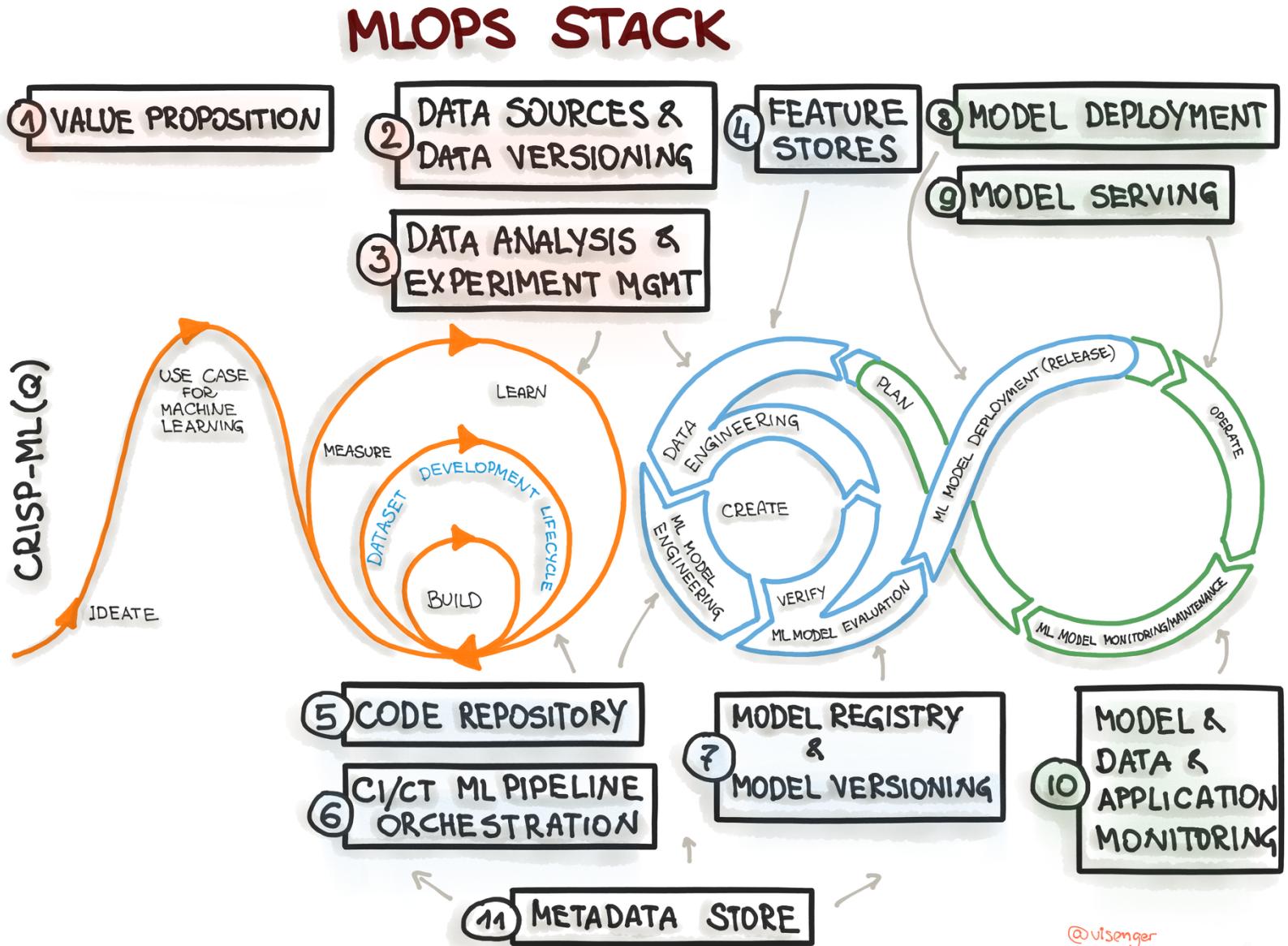
An AI-Centric Enterprise



ai-infrastructure.org

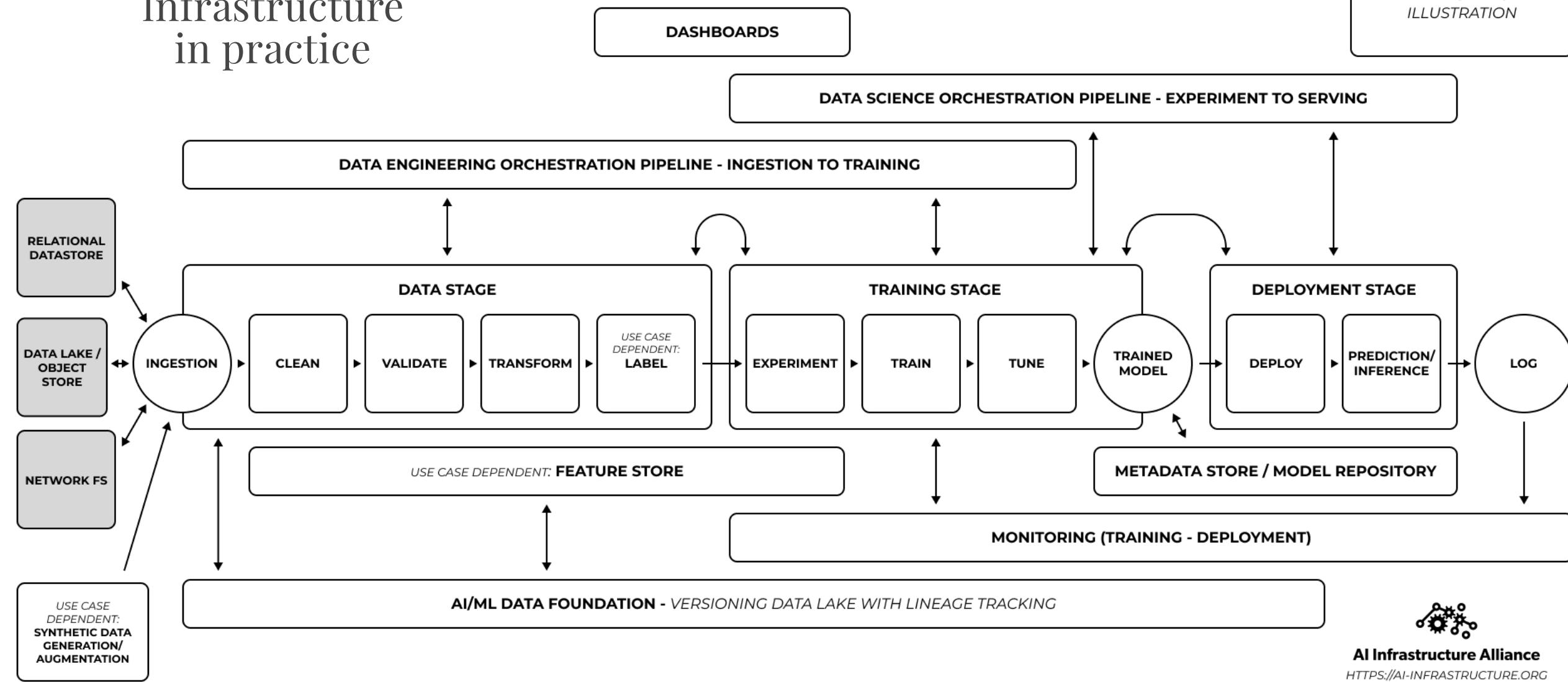
Cyclic nature of workflows

The processes for AI model development, training and deployment for inferences inherently have many cyclic pathways.



AI Infrastructure in practice

MACHINE LEARNING
WORKFLOW
TIME SERIES
ILLUSTRATION



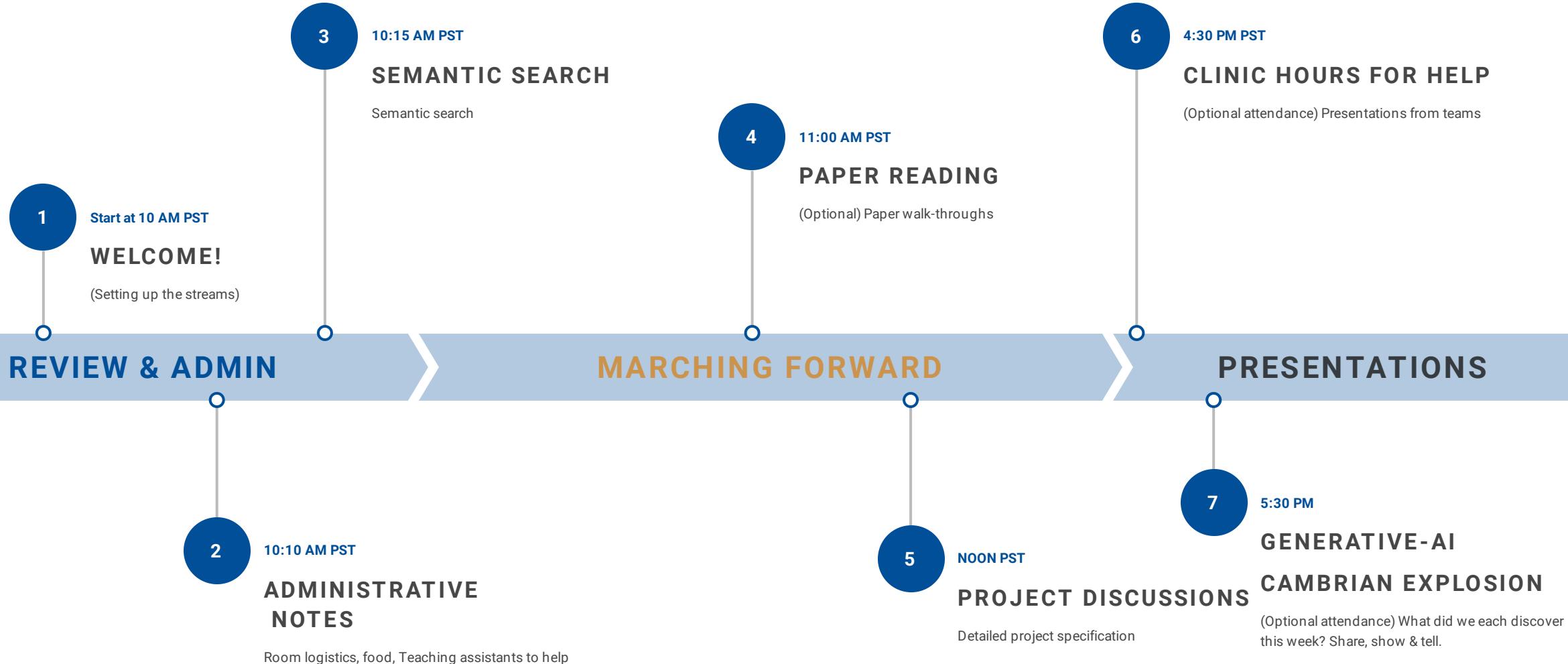
AI Infrastructure Alliance
[HTTPS://AI-INFRASTRUCTURE.ORG](https://ai-infrastructure.org)

THE COMPLEX PROCESSES AND COMPONENTS OF A MATURE ENTERPRISE AI INFRASTRUCTURE



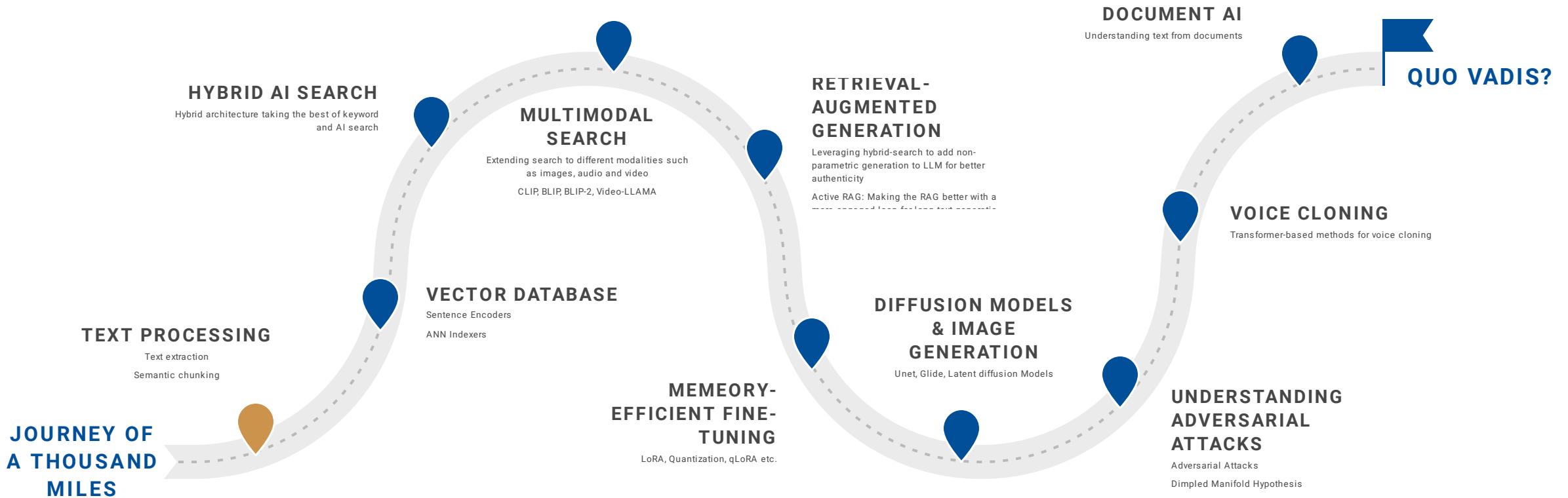
Lesson plan for Sunday, Feb 18th

The lesson plan for **Sunday, Feb 18th**



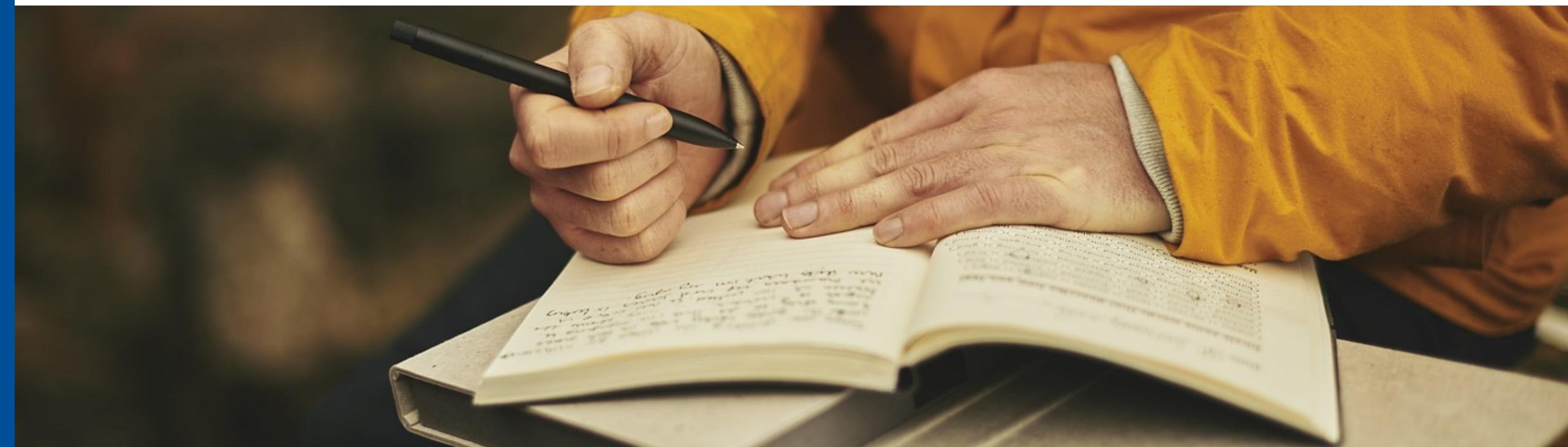
What we have learned in the learning journey, and where are we headed

Road traveled & the road ahead



Semantic (AI) Search

INTRODUCTION TO SEMANTIC SEARCH



Additional sources of information

Resources & Research paper **readings**



PAPERS & RESOURCES

- Sentence BERT <https://arxiv.org/abs/1908.10084>
- Sentence BERT Website: <https://sbert.net/>
- Using Hugging Face models:
- https://sbert.net/docs/hugging_face.html#using-hugging-face-models



A blue-toned circuit board graphic featuring a grid of binary code (0s and 1s) and glowing white nodes at the intersections of the tracks. The board has a complex, organic shape on the left side and a more linear, grid-like pattern on the right.

Thank
You!