

The Real AI: Augmented Intelligence

R. David Lankes



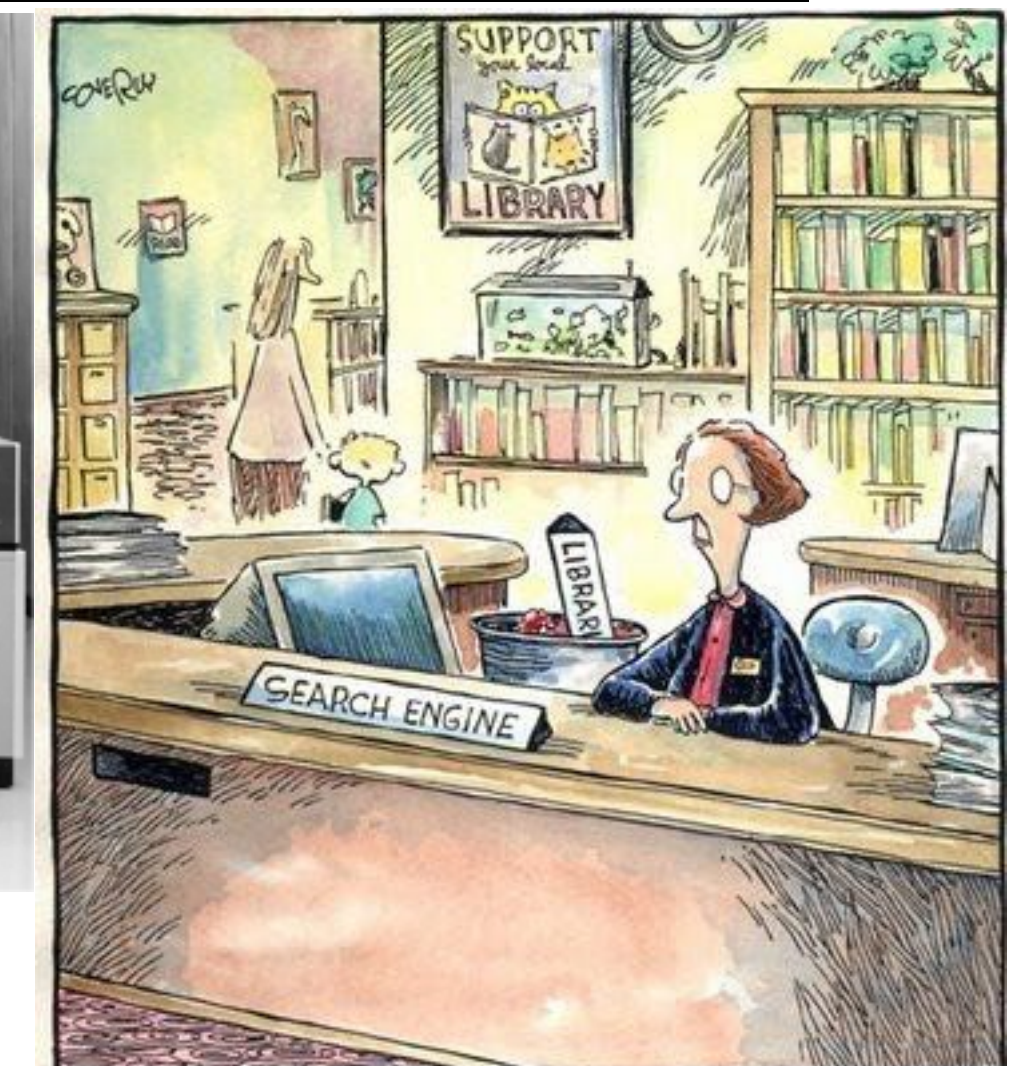
Librarians Core and Impact

- AI is coming to collections
- AI systems need to be assessed
- AI answers are in flux
- AI needs to be taught



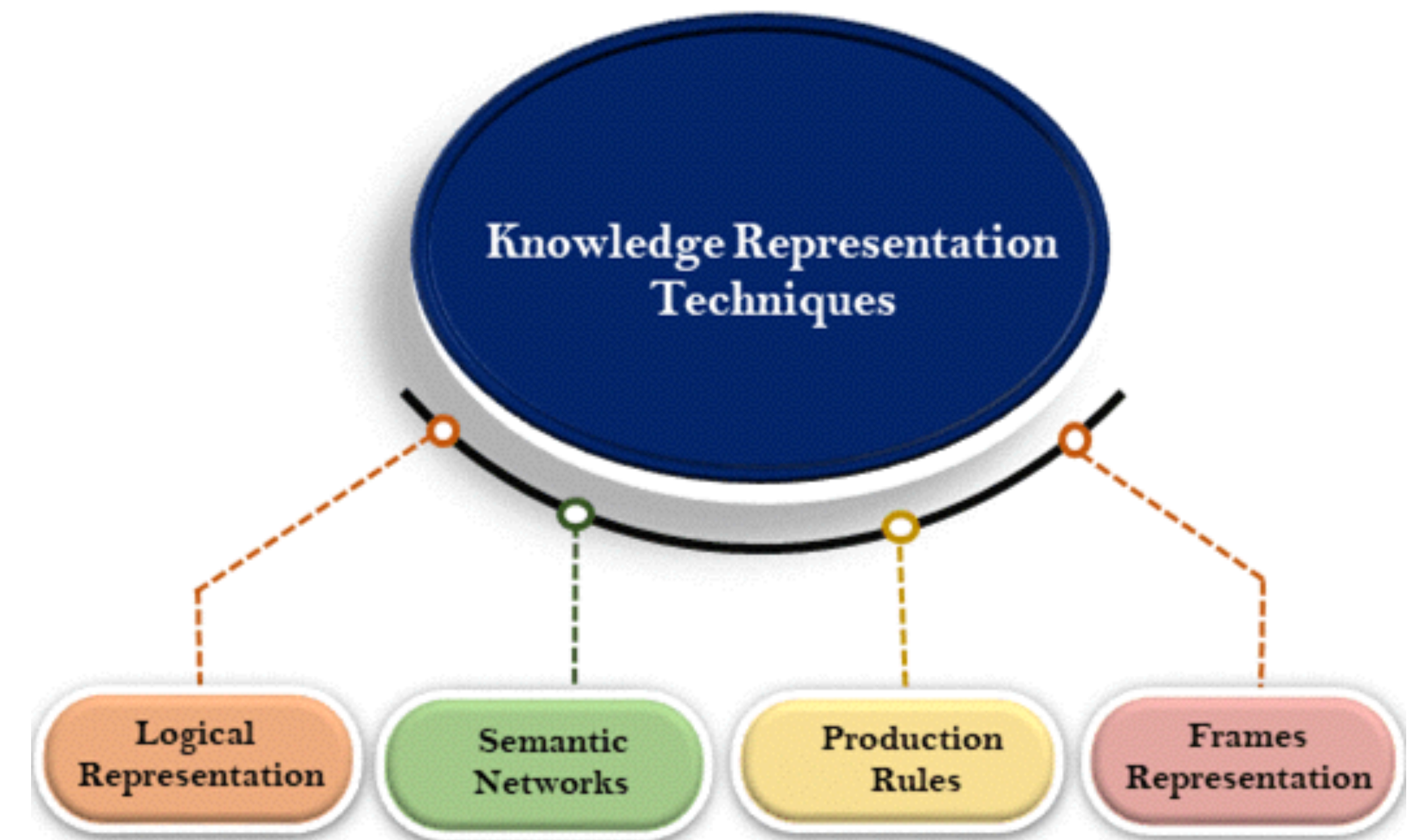
Metaphors and Librarians

- You are *not* Katherine Hepburn
- You are *not* an optimized Database
- You are *not* Google
- You are *not* ChatLIB
- You *are* a facilitator



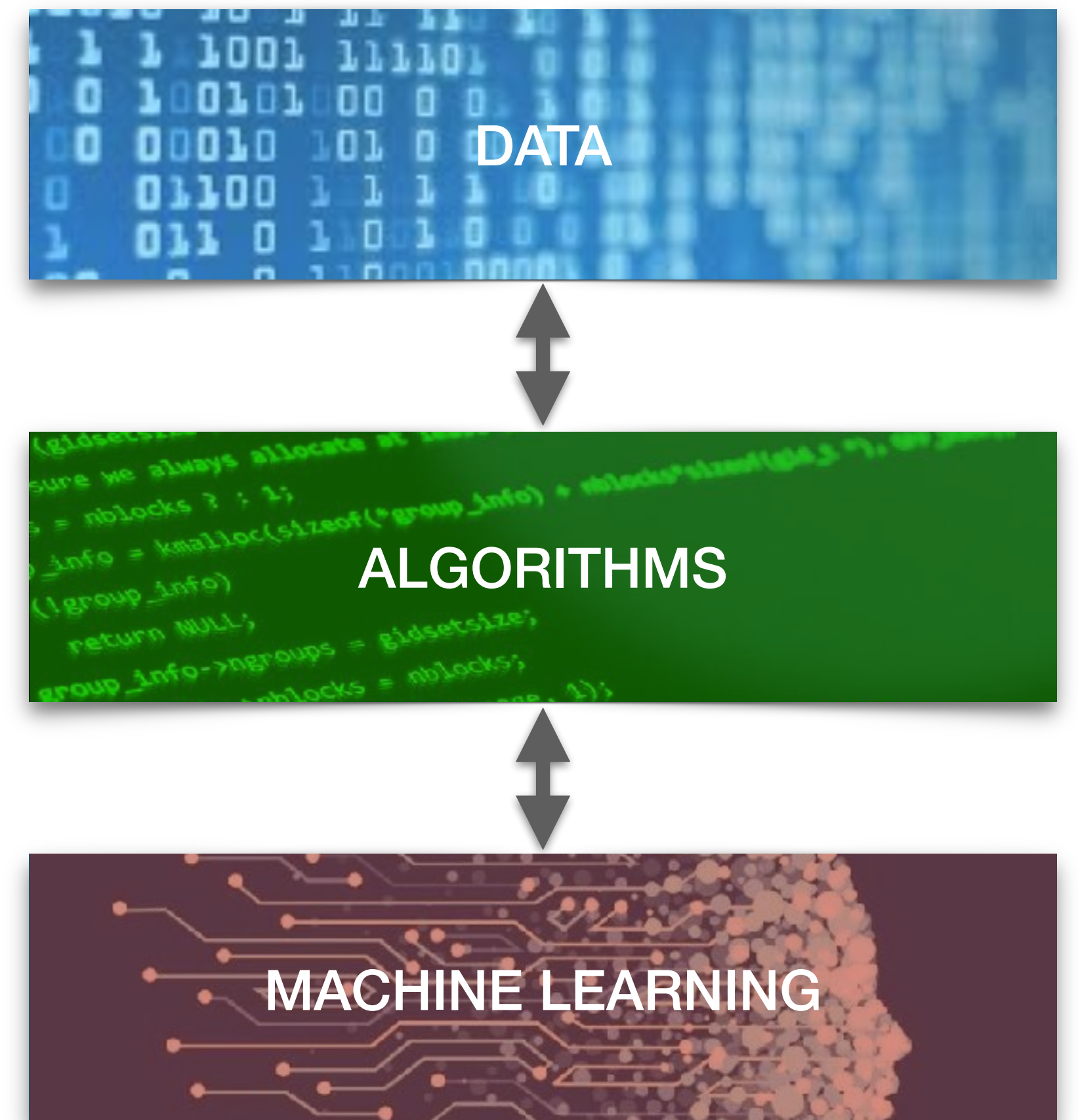
Artificial Intelligence Catches Up

- The move to data-based algorithms over earlier models
 - Frames
 - Natural Language Processing



Muddled Vocabulary

- Big Data, algorithms, AI, deep learning
- Three interlocking levels:
 - data, algorithms, and machine learning



Librarian Role

DATA

Function: Diverse Data Sets, Privacy, Intellectual Property, Data Stewards, Data Hygiene, Ontological Development (knowledge trees)

Skill: Data literacy, Ontology/Taxonomy, Policy, Research Skills

ALGORITHMS

Function: ADVOCACY for Explainable AI

Skill: Facilitation, Community Engagement

MACHINE LEARNING

Function: Training, Hallucinations, Diverse Test Sets, Evaluation, Transparency

Skill: Project Management, Assessment

Bottom Line

- We must not treat this as the latest reference thing to be cataloged
- We ***MUST*** be the voice of the common good - if not us then who?
- Our skills must continue to evolve - not our values

