Facilitation at the core of librarians role in AI
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** Trivia Expert
• You are **not** an optimized Database
• You are **not** Google
• You are **not** ChatLIB
• You **are** a facilitator
Metaphors and Librarians

- You are not Trivia Expert
- 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
Muddled Vocabulary
Muddled Vocabulary
Librarian Role

Data

ALGORITHMS

MACHINE LEARNING
Librarian Role

- Data
- Algorithms
- Machine Learning
Librarian Role

Data

Algorithms

Machine Learning
Librarian Role

Data

ALGORITHMS

MACHINE LEARNING

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

**Data**

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

**ALGORITHMS**

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

**MACHINE LEARNING**
Librarian Role

Data

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

ALGORITHMS

Function: ADVOCACY for Explainable AI

MACHINE LEARNING

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

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

**Function:** ADVOCACY for Explainable AI

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

**Skill:** Project Management, Assessment
Librarian Role

**Function:**
- Diverse Data Sets, Privacy, Intellectual Property, Data Stewards, Data Hygiene, Ontological Development (knowledge trees)
- ADVOCACY for Explainable AI
- Machine Learning
  - Training, Hallucinations, Diverse Test Sets, Evaluation, Transparency

**Skill:**
- Data literacy, Ontology/Taxonomy, Policy, Research Skills
- Project Management, Assessment

**Data**

**ALGORITHMS**

**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

Algorithm

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
Bottom Line

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• We **MUST** be the voice of the common good - if not us then who?

• Our skills must continue to evolve - not our values