



Southern
New Hampshire
University

CS411: Artificial Intelligence

Group Projects

Jan 24, 2025

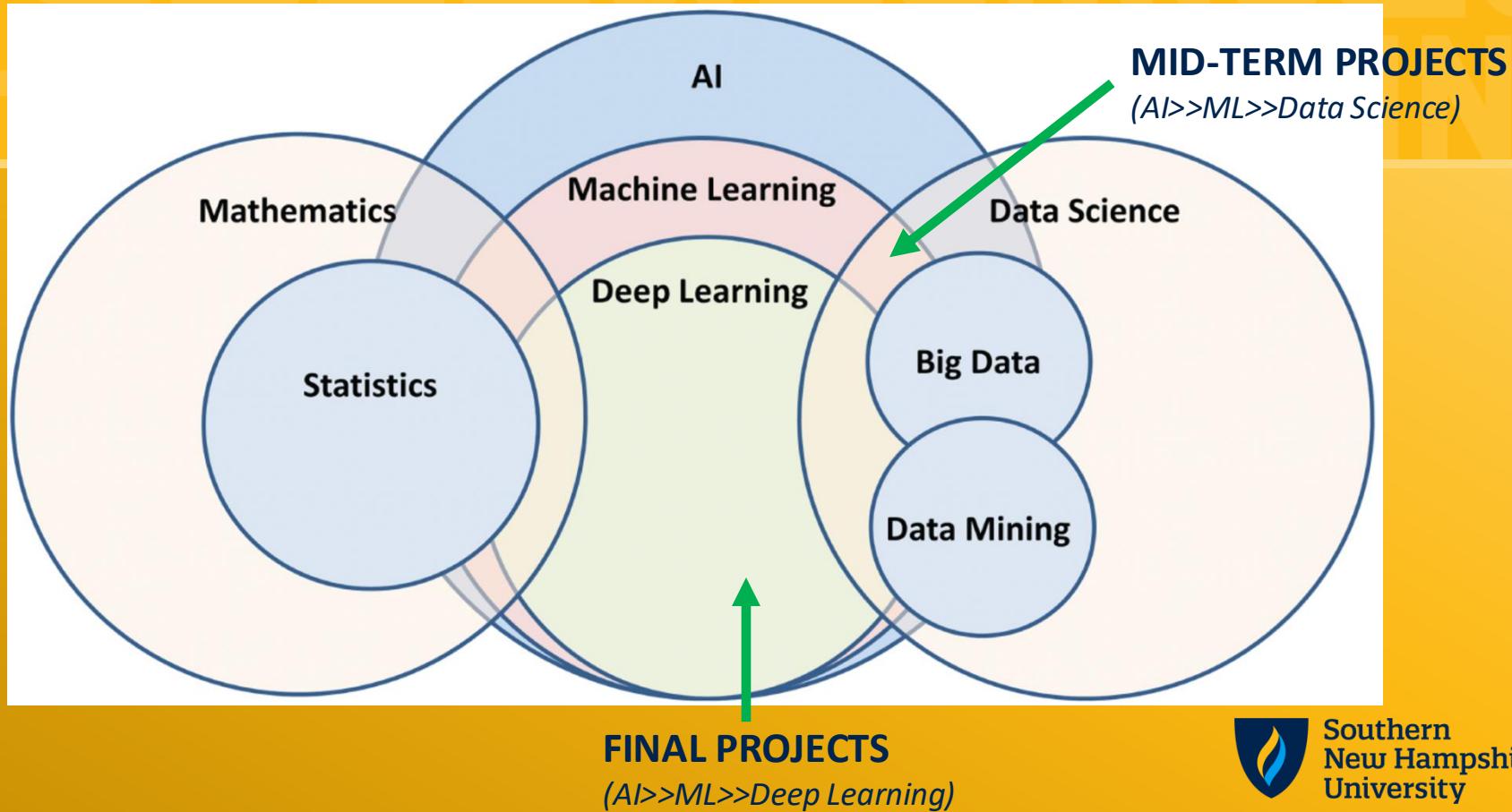
Group Projects

- Mid-term Projects
- Final Projects



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The relationships between AI, machine learning, deep learning, data science, and mathematics



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Group Projects

- ✓ **Mid-term Projects – Assigned**
- Final Projects – *Self Selected*



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Agenda

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Rubric

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Timelines

3

Deliverables

4

Evaluation

Components & Scoring

Rubric for Group Projects

- 1. Technical Accuracy (30%):**
 - Correctness of ML techniques • Appropriateness of models • Evaluation metrics • Data handling
- 2. Innovation & Creativity (10%):**
 - Unique approach • Novelty • Real-world application
- 3. Collaboration & Group Dynamics (20%):**
 - Equal participation • Team communication • Group cohesion
- 4. Presentation & Communication (20%):**
 - Clarity • Structure • Visuals • Question handling
- 5. Code Quality & Documentation (20%):**
 - Cleanliness • Commenting • Reproducibility

Group Assignments:

- Groups : **Four**
- Group Size : **Three/Four members**

Chat: Peter, Rajya, Collins – Credit Risk Modeling

Chat+: Nick, Adam, Jace, Thomas – Real Estate Pricing

Gemini: Maceo, Reeham, Liam – Customer Churn

Claude: Kyle, Kaden, Stewart – Employee Attrition



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Timelines & Deliverables

Dates, Timelines & Deliverables

Project Kickoff:

- Project topics & Group Assignments posted on Brightspace on **Sun, Jan 26**

Weekly Touchpoints:

- In-person meetings with each group

Final Deliverables:

- Submission of the **final report, Jupyter notebooks, and presentation slides** on **Mon, Feb 24**
- Mid term project presentations on **Wed, Feb 26 & Fri, Feb 28**



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Project Evaluations

Peer Review Scheme

- **Peer Review Criteria (Total: 20 points):**

- Clarity of Presentation (5 points)
- Technical Rigor (5 points)
- Creativity and Innovation (4 points)
- Visual Aids (3 points)
- Handling of Questions (3 points)