



Southern
New Hampshire
University

CS411: Artificial Intelligence

Group Projects

Jan 24, 2025

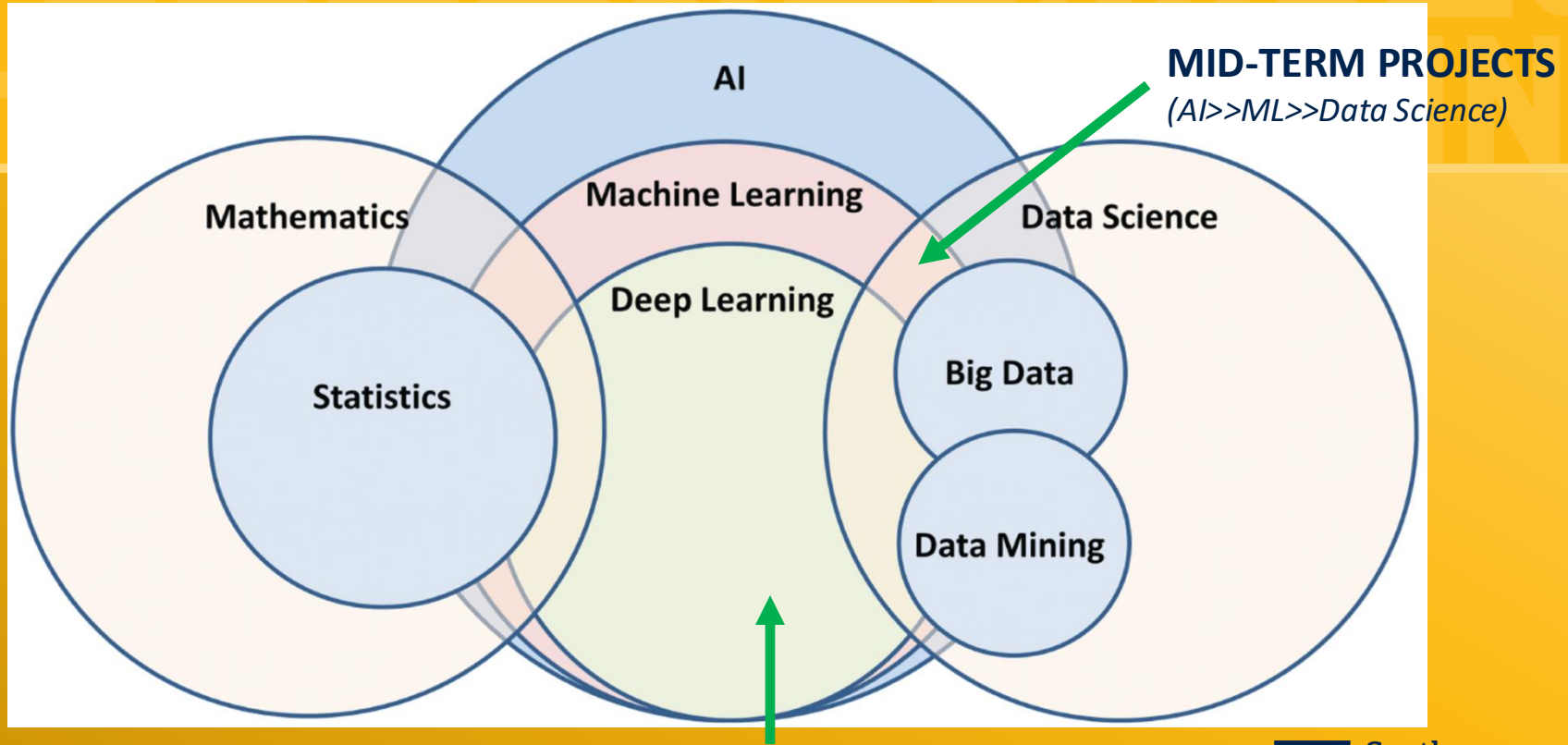
Group Projects

- Mid-term Projects
- Final Projects



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



MID-TERM PROJECTS
(AI>>ML>>Data Science)

FINAL PROJECTS
(AI>>ML>>Deep Learning)



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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**

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)