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# University AI Activities

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# Agenda

- AI background
- Opportunities and challenges
- UI committees on AI
  - Administrative
  - Academic
  - Research
- **Next Steps**

This presentation contains AI generated images

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# What is AI?

- Simulating some aspects of human intelligence using
  - natural language processing
  - computer vision
  - Data science and machine learning
- Long history (since the 1950's) but rapidly advancing



# AI Opportunities and Concerns

## Opportunities

- Personalized tutors for students
- Digital assistant functionality
  - Generating new ideas
  - Summarizing content
  - Simplifying or automating tasks
- Finding patterns in data
- Personalized IT services
- Optimizing service delivery
- Efficiency and productivity improvements

## Concerns

- Bias
- Ethics
- Inaccurate results (hallucinations)
- Data use agreements and data privacy
- Academic & research misconduct
- Uncertainties in regulatory environment
- Use in software development
- Pace of innovation and product development

# Large Language Models

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- Large language models (LLMs) such as ChatGPT are sophisticated statistical models that predict probable word sequences in response to a prompt even though they do not “understand” language in any human-like sense



# Prediction Exercise

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It was a dark and stormy

1 word

In heaven there is no

1 word

It was the best of times

6 words

Q

1 character

Imagine a complex model, that is predicts characters, words, phrases, sentences, that is an LLM

# AI in Data Analytics

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- Ability to look at large amounts of data quickly
- Ability to look at data from multiple perspectives
- We generate more data than we can analyze



# Administrative AI

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- Membership:  
Administrative leaders
- Key Activities
  - Focused on the use of AI in administrative use cases
  - Significant policy and guidance effort





# Academic AI Committee

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- Membership: Primarily faculty
- Key Activities
  - Guidance to faculty for start of semester
  - Issues with academic integrity
  - Preparing survey for instructors and students on how the semester went

# Research AI Committee

- Membership: Primarily Faculty
- Key Activities
  - Identify high-potential AI applications that can support and elevate key aspects of academic research
  - Develop recommendations for supporting the use of AI in research activities
  - Provide recommendations for helping faculty in disciplines that are not traditionally rich in technology adoption
  - Explore legal and ethical issues surrounding the use of AI in academic research



# Next Steps

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- Specific guidance on the use of AI for campus activities
- AI Tools
- Learning resources and training
- Support models



## Questions?

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