Introduction to AI

Umair Mehmood Imam

INTRODUCTION TO A.I - UMAIR M.I

Class of 244 students

- Lectures
  - Thursday : 12:30 – 14:15

- Lab
  - Varies from week to week

Umair Mehmood Imam

Assistant Professor @ OsloMet

- Course: Intro to A.I
- Member of the A.I lab

Director for Data and AI @ TET Digitial (part of Ruter)

- Leading a team of 32 people
- Laucnhed RuterGPT and various AI projects

Founder of Bineric AI

- Launched NorskGPT

Founder of Offentlig AI

- Community of all state (offentlig) employees working with A.I
- 150+ members and 25+ state companies

Masters in Distributed computing from KTH, Stockholm, Sweden

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Teacher assistants

- We have 4 TAs for the course
- Please send emails to TAs first.
- Or ask questions on Canvas

Class representative

- **The course evaluation cannot happen without a class representative**
- **You must choose a class representative**
- **The class representative should:**

  - Communicate with the students and learn their opinions, concerns and preferences regarding the course.
  - Speak on behalf of the class to voice their concerns and opinions.
  - Contribute to a good social and learning environment
  - Collaborate with the teacher on conducting the course evaluation and preparing a summary of the results
  - The class representative will sign the course evaluation before it is sent to the Head of Department

Grading

Assignments

- 3 compulsory assignments done in groups of 2-4 students must be approved in order to be admitted to the final exam.

- ## Assessment

- 30% of the grade based on a final project or academic report (in groups of 2-4 students, 5-10 pages written report with link to code e.g. on github).
- 70% of the grade based on individual written examination (3 hours).

Scope of Intro to AI course

- The course is a mix of theory and practical work
- We will do some programming
  - aim is to show you how different A.I algorithms work

- We will work with data
  - Cleansing
  - Anonymization
  - Labeling etc..

- We will investigate if A.I is the answer to everything or if A.I is really stupid ?

Course Outline

- Basics of A.I
- AI is stupid !!
- Data
- DataScience
- Concepts of A.I
- Machine Learning
- Deep learning
- Natural Language processing
- Responsible AI and Ethics in AI

What will you get out of this course ?

- Overview of A.I and its related fields

- A.I and its related fields like Machine learning, Natural language processing, Deep learning etc

- Data and various ways to clean it

- Business uses of A.I

- Ethics in A.I

Books

- You will get reading guides for each leacture
- Official book will be announced soon.