

CS 6364 Homework 2

August 31, 2021

Deadline for the first submission: **Sep-13-2021**.

All assignments **MUST** have your name, student ID, course name/number at the beginning of your documents. Your homework **MUST** be submitted via Blackboard with file format and name convention as follows:

HW#_Name_writeup.pdf (for writing part)

If you have any questions, please contact me.

- Q1: In at least one page (single space, Font 10), describe in your own words the difference between artificial intelligence and machine learning based on your readings of chapter 1 in the AI textbook and chapter 1 in the PRML textbook.
- Q2: In at least one page (single space, Font 10), describe in your own words the difference between artificial intelligence and deep learning based on your readings of chapter 1 in the AI textbook and chapter 1 in the DL textbook.
- Q3: In at least one page (single space, Font 10), describe in your own words the difference between machine learning and deep learning based on your readings of chapter 1 in the PRML textbook and chapter 1 in the DL textbook.
- Q4 to Q8 are the five questions in the attached document "BinomialDist.exercise.pdf".
- Q9 to Q13 are the five questions in the attached document "PoissonDist.exercise.pdf".
- Q14 to Q18 are the five questions in the attached document "NormalDist.exercise.pdf".