Assignment 1

AI and Machine Learning Basics

## Due 11:00 PM, Sunday, Sep 11, 2022

Answer the following questions, you can refer to online resources such as Wikipedia if necessary. Make sure you understand the concepts.

1. In your own words, what is artificial intelligence and machine learning? (5 points)
2. In your own words, what is system identification? (5 points)
3. Describe what is supervised learning. (5 points)
4. What is the difference between classification and regression in machine learning? Give some examples for classification and regression tasks. (5 points)