

# Introduction

- These notes are for my 2nd time learning CS446 after reviewing linear algebra, and probabilities and statistics, aiming for my research work in 'Sun Lab UIUC'.
- Learning ML mathematically and statistically, then the code!

# Supervised Learning

( learning based on data with labels)

- Linear Regression
- Least squares
- Logistic Regression
- Support Vector Machine
- Deep net
- Structured prediction

# Linear Regression