## CSE 546 SPRING 2021: HW1

Name: Honda Li

## Short Answer and "True or False" Conceptual Questions

## Maximum Likelihood Estimator(MLE)

(A.1)

(A.1.a)

**Objective**: Find the expression for the maximum=likelihood estimate for the parameter  $\lambda$  for the poisson distribution, interns of the goal count.

(A.1.b)

(A.1.c)

(A.2)

Overfitting

**Bias-Variance Tradeoff** 

Polynomial Regression

Ridge Regression on MNIST