ILM2

GRADIENT BASED LEARNING PROBLEM SET

we know how to fit lines or linear functions. what about when the function is non-linear?.

consider the corona data of your choice (eg. countries / states / cities / world) and what (infected, tested, death, recovered). you can also take multiple such data.

(1) fit a function model that suits the data. clearly explain why this is good model, including references.

write the objective function and how to optimize with GD and newton's. your output is a brief report (not more than one page in writing).

$f_0(x) = \tanh x$

$f(x) = a\tanh x$ (