Nitin Chandrasekhar
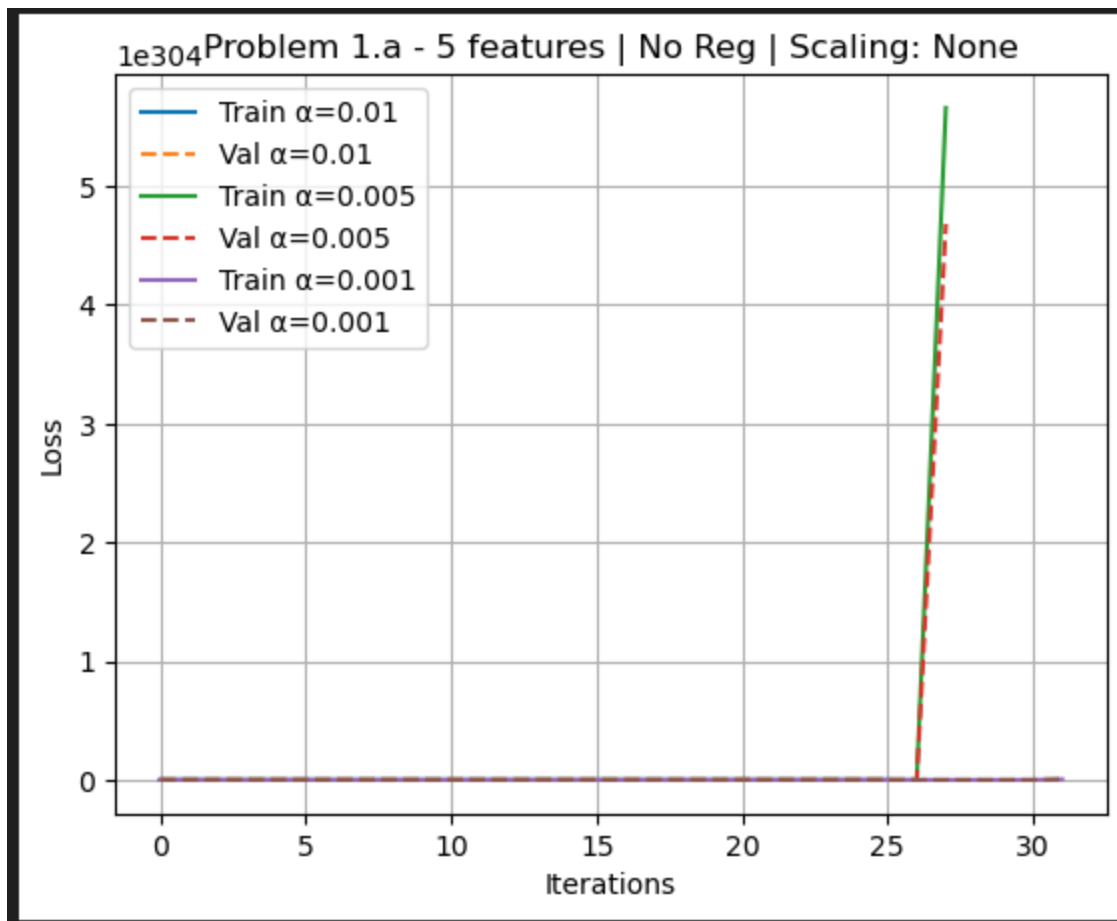
801348658

Assignment 2
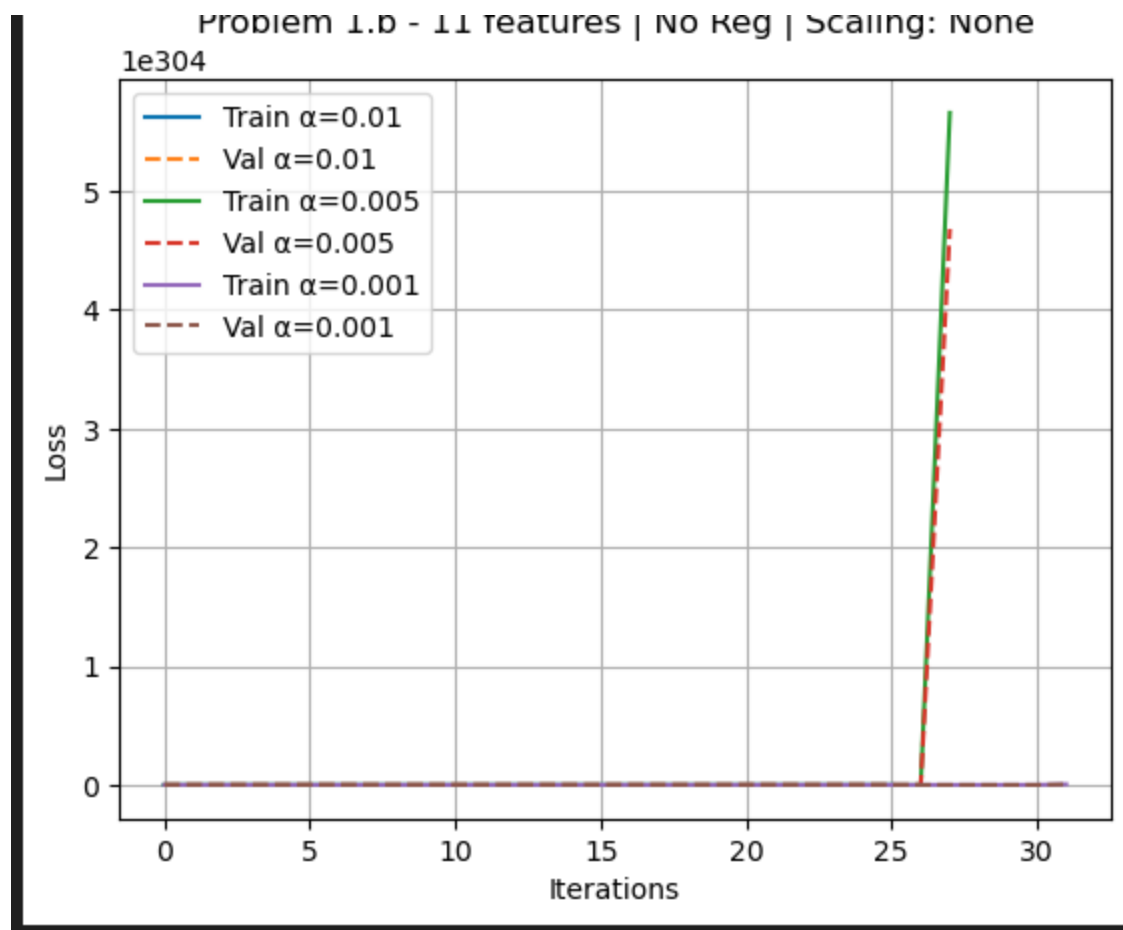
https://github.com/nchan18/ECGR_4105_Assignments.git

Problem 1
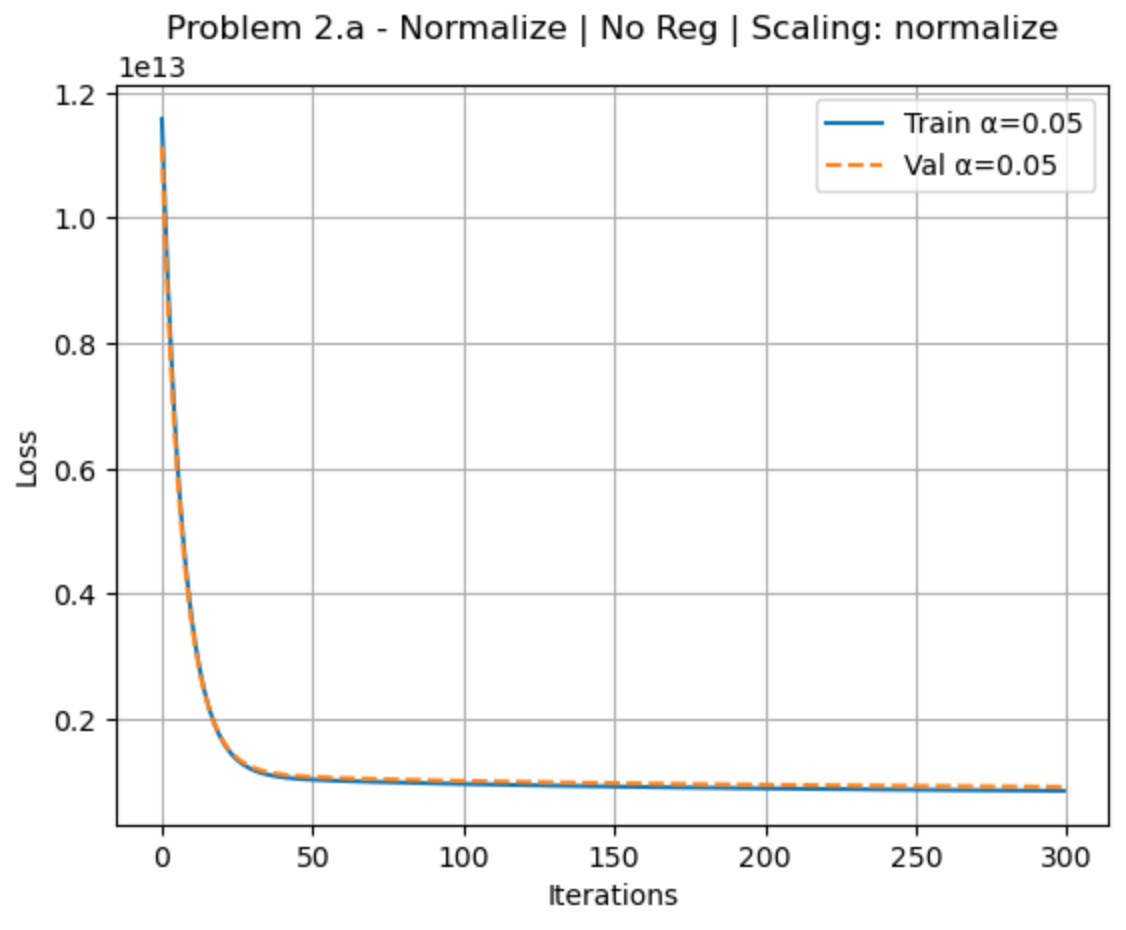
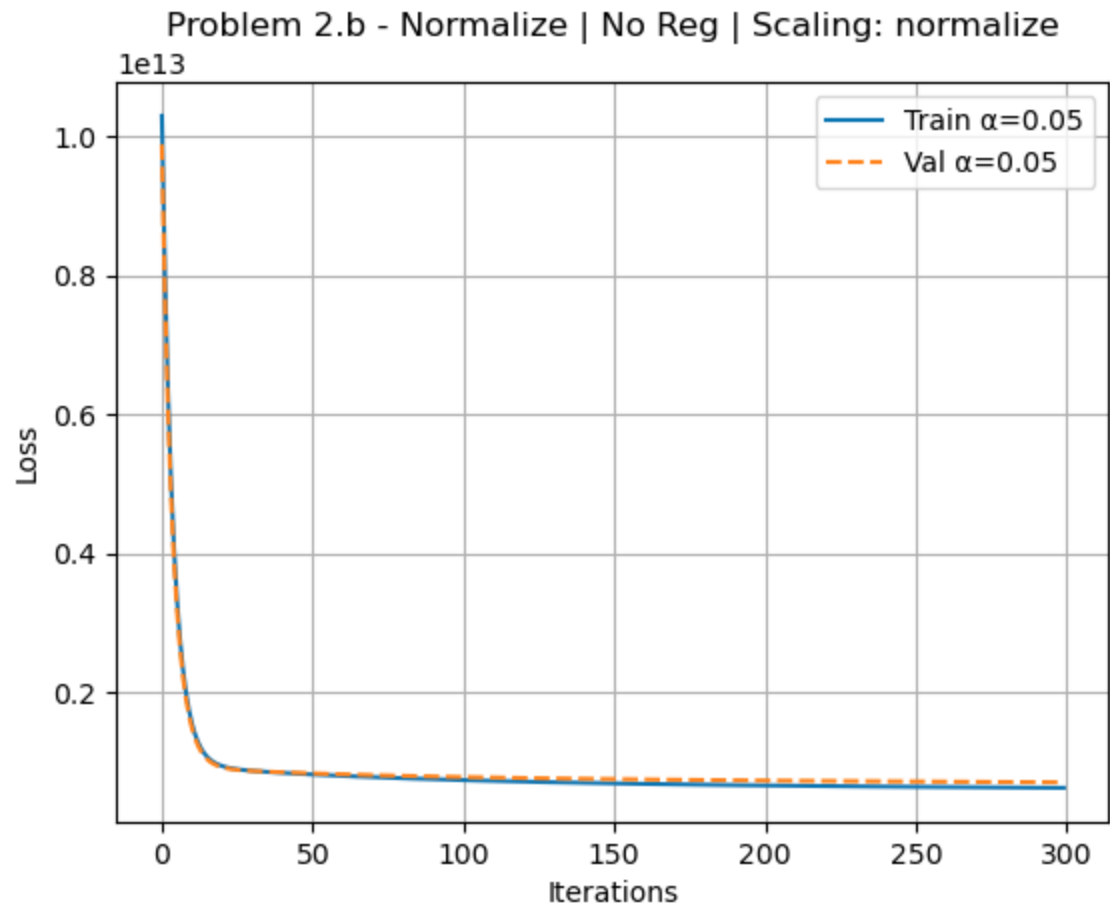a)

Problem 1.a - 5 features | No Reg | Scaling: None

b)

Problem 1.b - 11 features | No Reg | Scaling: None

1e304

Legend:
- Train α=0.01
- Val α=0.01
- Train α=0.005
- Val α=0.005
- Train α=0.001
- Val α=0.001

Y-axis: Loss
X-axis: Iterations

Problem2

a)

Problem 2.a - Normalize | No Reg | Scaling: normalize
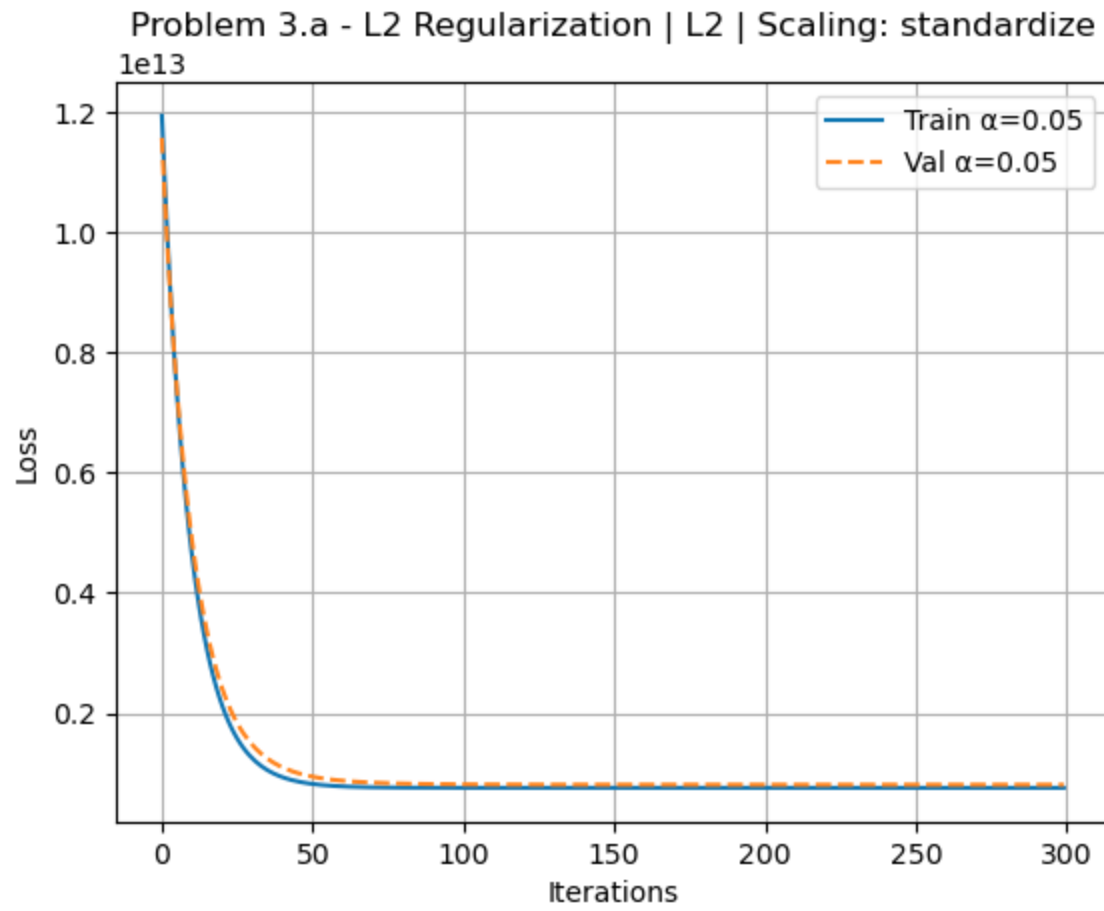
B)

Problem 2.b - Normalize | No Reg | Scaling: normalize

Problem 3

a)

Problem 3.a - L2 Regularization | L2 | Scaling: standardize

b)

Problem 5.b - L2 Regularization | L2 | Scaling: standardize