ML2022-2023 Spring HW02 Report

Public Score	Private Score
0.83168	0.83236

Report Questions

Q1

Implement 2 models with approximately the same number of parameters, (A) one narrower and deeper (e.g. hidden_layers=6, hidden_dim=1024) and (B) the other wider and shallower (e.g. hidden_layers=2, hidden_dim=1750). Report training/validation accuracies for bothmodels.

Answer:

Model	Public Score	Private Score
A	0.5654	0.5632
B	0.56857	0.56924

Q2

Add dropout layers, and report training/validation accuracies with dropout rates equal to(A) 0.25/(B) 0.5/(C) 0.75 respectively

Model	Dropout Rate	Public Score	Private Score
A	0.25	0.57311	0.57183
B	0.25	0.57831	0.5783
A	0.5	0.54973	0.54874
B	0.5	0.56852	0.56797
A	0.75	0.46503	0.46444
B	0.75	0.53942	0.53829