**Homework 11**

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Model Training results

**Code repository:** <https://github.com/Divyaraaga/w251-DeepLearning/tree/master/hw11>

**Run 1:** Default parameters

No of Iterations: 50000

Total number of landings: 70

Logs: <https://github.com/Divyaraaga/w251-DeepLearning/blob/master/hw11/logs/hw11_1st_run>

Video: <https://github.com/Divyaraaga/w251-DeepLearning/blob/master/hw11/videos/first_run_frame9000.mp4>

**Run 2:** Added 2 more layers to the model with nodes 128 and 64

No of Iterations: 50000

Total number of landings: 59, worsened the model

Logs: <https://github.com/Divyaraaga/w251-DeepLearning/blob/master/hw11/logs/hw11_2nd_run>

Video: <https://github.com/Divyaraaga/w251-DeepLearning/blob/master/hw11/videos/secrunframe9000.mp4>

**Run 3:** Added 2 more layers to the model with nodes 128 and 64 and

changed activation of last layer to Linear and Batch size to 64 from 20

No of Iterations: 50000

Total number of landings: 23, worsened the model

Logs: <https://github.com/Divyaraaga/w251-DeepLearning/blob/master/hw11/logs/hw11_3rd_run>

Video: <https://github.com/Divyaraaga/w251-DeepLearning/blob/master/hw11/videos/third_run_frame9000.mp4>

**Run 4:** Changed the threshold and No of iterations

Iterations: 100000; Threshold: 1000, Batch Size back to 20

Total number of landings: 119, More no of landings than the default model

Logs: <https://github.com/Divyaraaga/w251-DeepLearning/blob/master/hw11/logs/hw11_4th_run>

Video: <https://github.com/Divyaraaga/w251-DeepLearning/blob/master/hw11/videos/fourth_run_frame99000.mp4>