Model results:

Deep\_Learning

2 Hidden Layers

* training loss: 0.5400
* Final training accuracy: 0.7364
* Final validation loss: 0.5456
* Final validation accuracy: 0.7367

4 Hidden Layers

* Final training loss: 0.5363
* Final training accuracy: 0.7386
* Final validation loss: 0.5642
* Final validation accuracy: 0.7383

Deep\_Learning-pca

NN Model (4 Hidden Layers and 50 Epochs

* Final training loss: 0.5377
* Final training accuracy: 0.7356
* Final validation loss: 0.5480
* Final validation accuracy: 0.7394

PCA Model and 50 Epochs

* Final training loss: 0.5399
* Final training accuracy: 0.7361
* Final validation loss: 0.5475
* Final validation accuracy: 0.7372

DROP STATUS and SPECIAL\_CONSIDERATIONS FEATURES 4 Hidden Layers 50 Epochs

* Final training loss: 0.5381
* Final training accuracy: 0.7381
* Final validation loss: 0.5497
* Final validation accuracy: 0.7385