**Scenario A: Hard Activation**

1. Data plot & separation line for 75% training data
2. Data plot & separation line for 25% training data
3. Comparison

**Scenario B: Soft Activation**

1. Data plort & separation line for 75% training data
2. Data plot 7 separation line for 25% training data
3. Comparison

**Extra Credit**

The hard and soft activation functions differ mainly in that the “out” value calculation is different for each. Whereas hard activation simply assigns a value of “1” or “0” based off of whether the net values is less than or greater than 0, soft activation calculates “out” through a sigmoid function using net as an input value.

During the 75% data simulation, the error value

**Individual Contribution**

Bansri

* Hard Activation, overall code, debugging, deliverable report

Vishakha

* Soft Activation, overall code, debugging, deliverable report

Mit

* Error calculation, overall code, debugging, deliverable repot