Project3

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## Reading `data

## user system elapsed   
## 7.20 0.17 13.14

## Computation

## user system elapsed   
## 234.28 6.16 410.54

## user system elapsed   
## 239.43 6.34 411.26

## user system elapsed   
## 892.17 23.18 1442.01

## Results

These are our results:

### cross validation table

|  | Centroid | GLM | NeuralNet12 | NeuralNet21 | NeuralNet25 |
| --- | --- | --- | --- | --- | --- |
| 50 genes | Mean=0.0433 sd=(0.0299) | Mean=0.1361 sd=(0.0291) | Mean=0.0895 sd=(0.1067) | Mean=0.0772 sd=(0.0374) | Mean=0.0651 sd=(0.0207) |
| 100 genes | Mean=0.0436 sd=(0.0462) | Mean=0.1551 sd=(0.0696) | Mean=0.0589 sd=(0.0319) | Mean=0.0742 sd=(0.0251) | Mean=0.0557 sd=(0.0416) |
| 500 genes | Mean=0.0434 sd=(0.0203) | Mean=0.48 sd=(0.0687) | Mean=0.177 sd=(0.1276) | Mean=0.1394 sd=(0.1216) | Mean=0.0526 sd=(0.0336) |