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**TRAINING and TEST data sets**

They are in the attached files.

**DISCUSSION OF RESULTS**

The settings we used for the neural network configuration are as follows:

#define NumOfCols 6

#define NumOfRows 40

#define NumINs 3

#define NumOUTs 2

#define LearningRate 0.05

#define Criteria 2.5

#define TestCriteria 5

#define MaxIterate 10000000

#define ReportIntv 1000001

#define Momentum 0.9

#define TrainCases 50

#define TestCases 10

// network topology by column -----------------------------

#define NumNodes1 4

#define NumNodes2 15

#define NumNodes3 30

#define NumNodes4 40

#define NumNodes5 20

#define NumNodes6 2

**SUMMARY OF RESULTS**

* Our neural network learned the training set. It converged to within the criteria of 2.5. The precision was therefore within 2.5% of the actual average and median values. The percent of training cases that met the criteria was 2.0.
* The training took quite a while. It took 558163 backpropagation iterations.
* The neural network generalized quite well, to within a 5% error margin. The percent of testing cases that met this precision criteria was 2.0.
* I think the neural network "learned" the problem of finding the average and median of a set of three numbers quite well.