Questions

Q. Are all letters in the training set linearly separable?

A. Yes, during training all of the letters trained converged.

Q. Are all letters in the test set correctly classified?

A. No, they were not all correctly classified:

12 out of 26 letters were classified correctly:

B, C, F, H, I, K, L, P, T, U, V, Z

The rest had error rates of between 3.85% and 7.69%.

Q. How similar are the misclassified items to the items in the training set?

A.

1. A did not think it was any letters:

Train 'A' had a curved top whereas test 'A' had an angled top. I could understand the confusion.

2. D did not think it was any letter:

Train 'D' looked skinnier and test 'D' looked more like an 'O'

2. M thought that it was an 'N' and not 'M':

Each train letters had same left side and right sides plus each had middles that were angled.

3. W thought that it was an 'M' and not 'W':

Looking at the train letters, 'M' looked like an upside down of 'W'.

4. U thought that it as a 'D', 'M', 'U':

Each train letters had similiar left and right side.

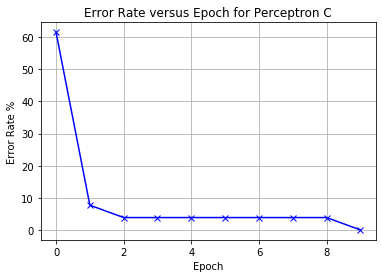
For 'M', it look like a small u on top of two legs.

A screenshot of a cell phone

Description automatically generated

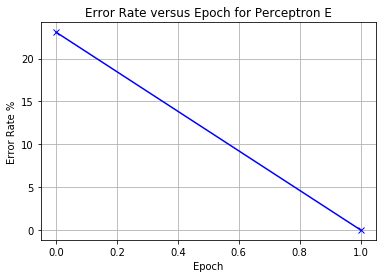
A screenshot of a cell phone

Description automatically generated



A close up of a mans face

Description automatically generated

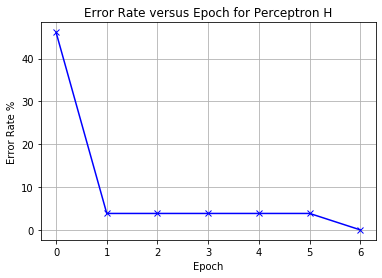


A picture containing text

Description automatically generated

A close up of a map

Description automatically generated



A close up of a mans face

Description automatically generated

A screenshot of a cell phone

Description automatically generated

A close up of a mans face

Description automatically generated

A close up of a logo

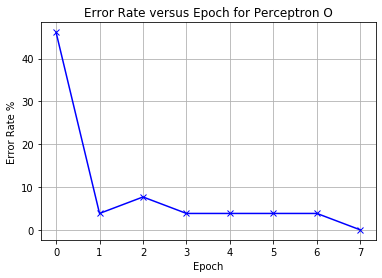
Description automatically generated

A close up of a mans face

Description automatically generated

A close up of text on a white background

Description automatically generated



A close up of a piece of paper

Description automatically generated

A close up of a mans face

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A screenshot of a cell phone

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