

Preliminary Results

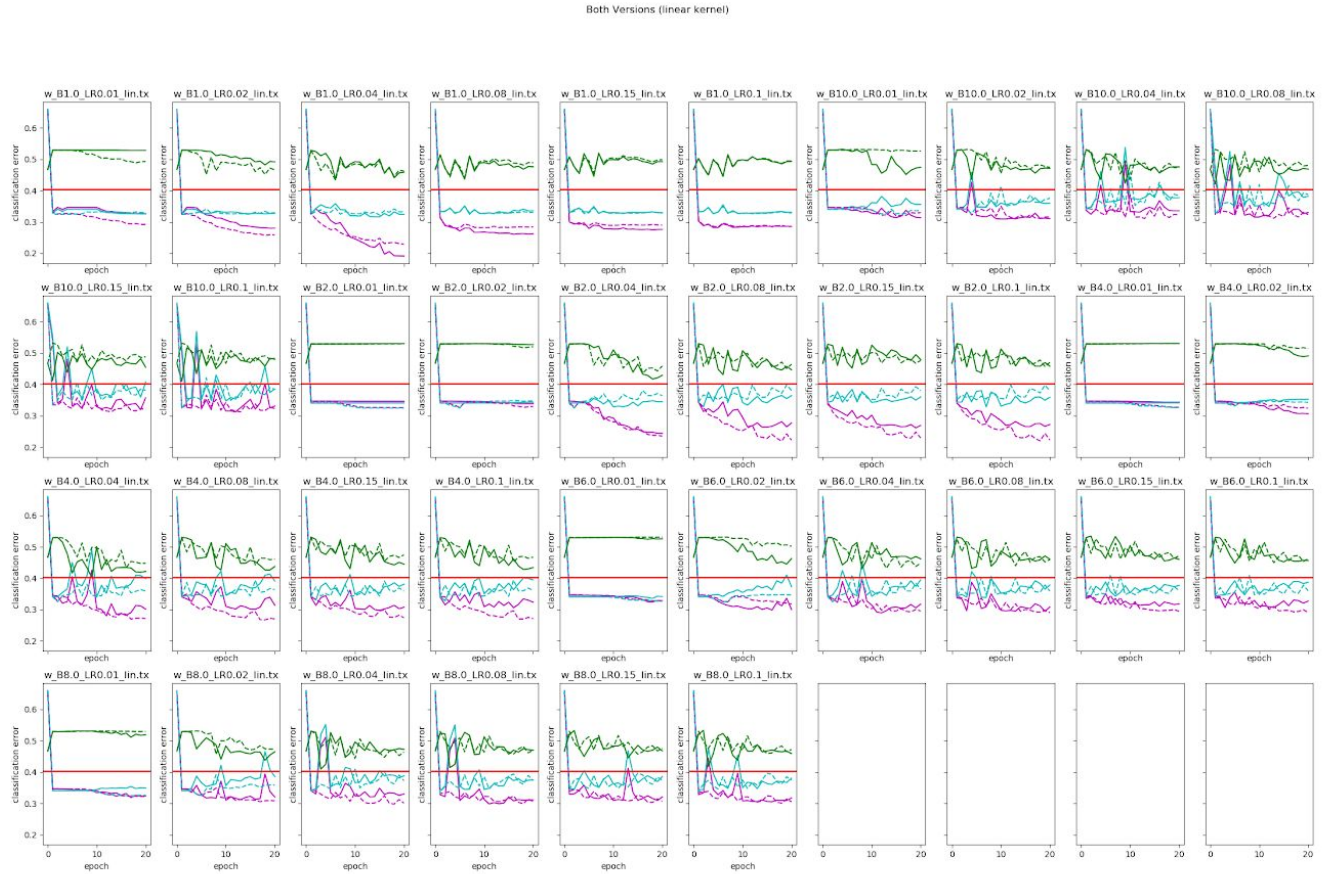


Figure 1: These graphs show the results of our old_wfasttext compared to the new_wfasttext using a linear kernel. Each graph compares the two versions using the same hyperparameters (B and learning rate).

KEY:

- Dashed lines are old_wfasttext
- Solid lines are new_wfasttext
- Green is classification error on manual set
- Blue is classification error on testing set
- Purple is classification error on training set

Both Versions (rbf kernel)

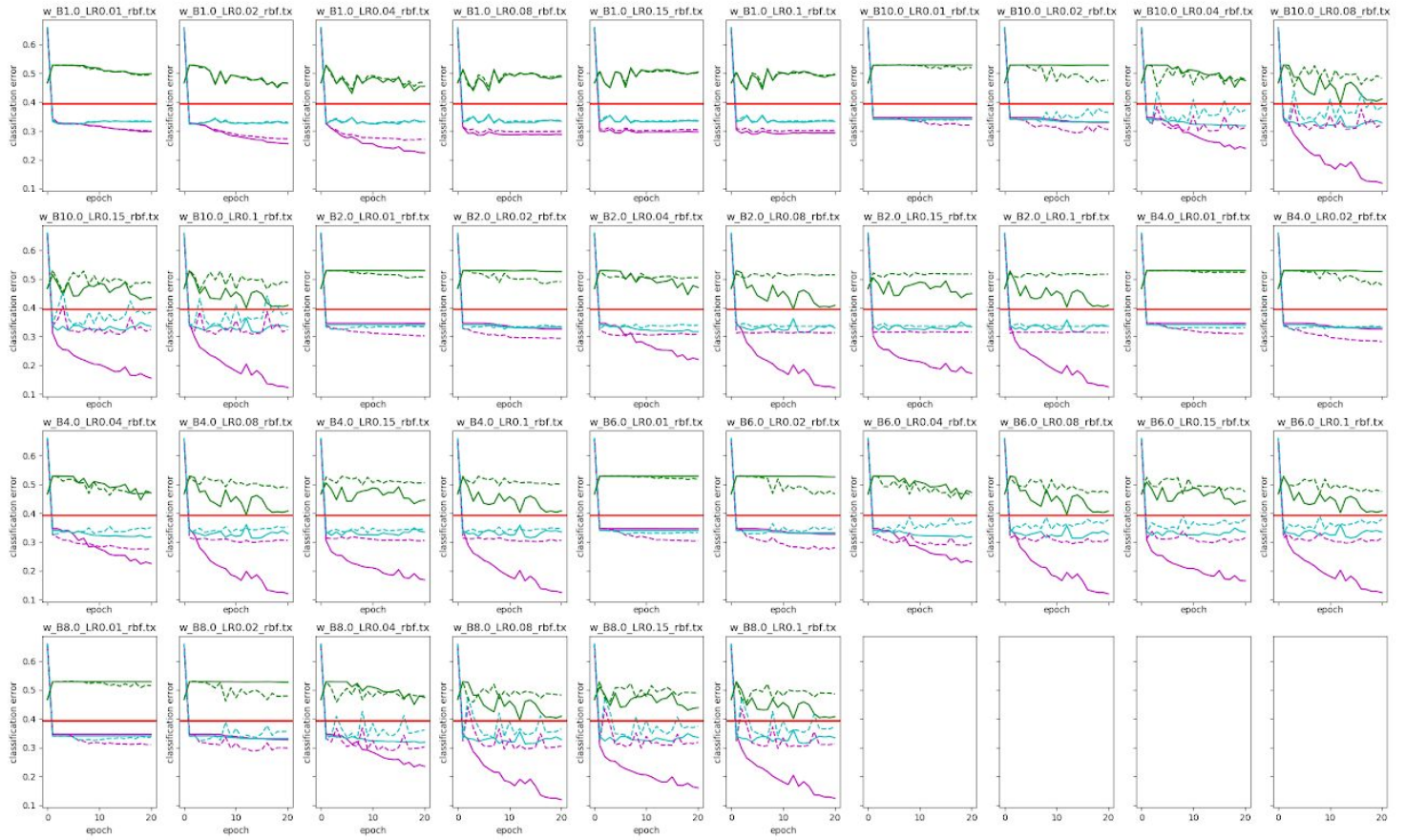


Figure 2: Shows the old_wfasttext and new_wfasttext using rbf kernel. Some of the graphs show a good improvement between the two versions.

Both Versions Betas Means + Stds (lin kernel)

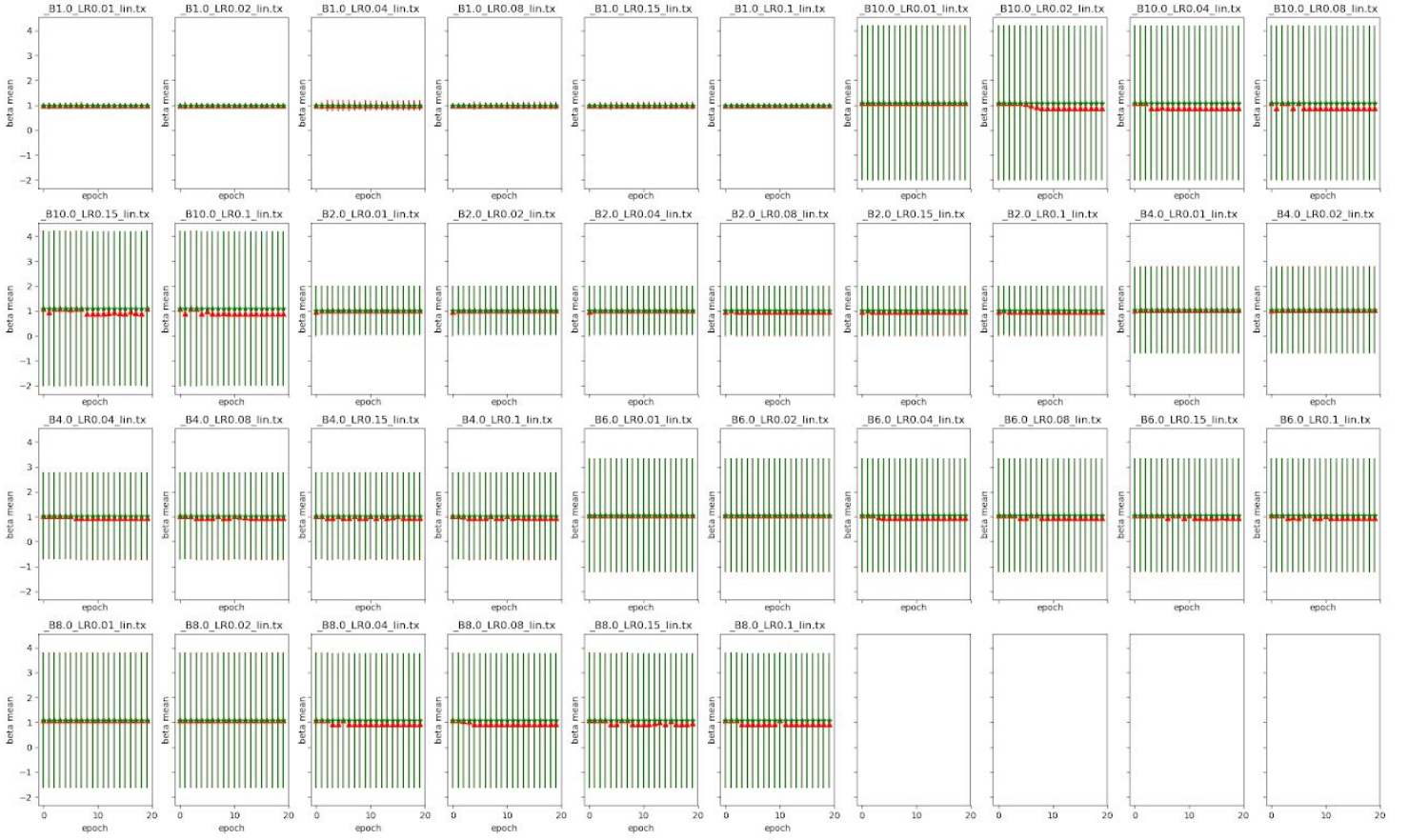


Figure 3: Shows the mean value and std of the beta values at each training epoch for the two versions using a linear kernel. The red shows the new_wfasttext, while the green shows the old_wfasttext.

Both Versions Betas Means + Stds (rbf kernel)

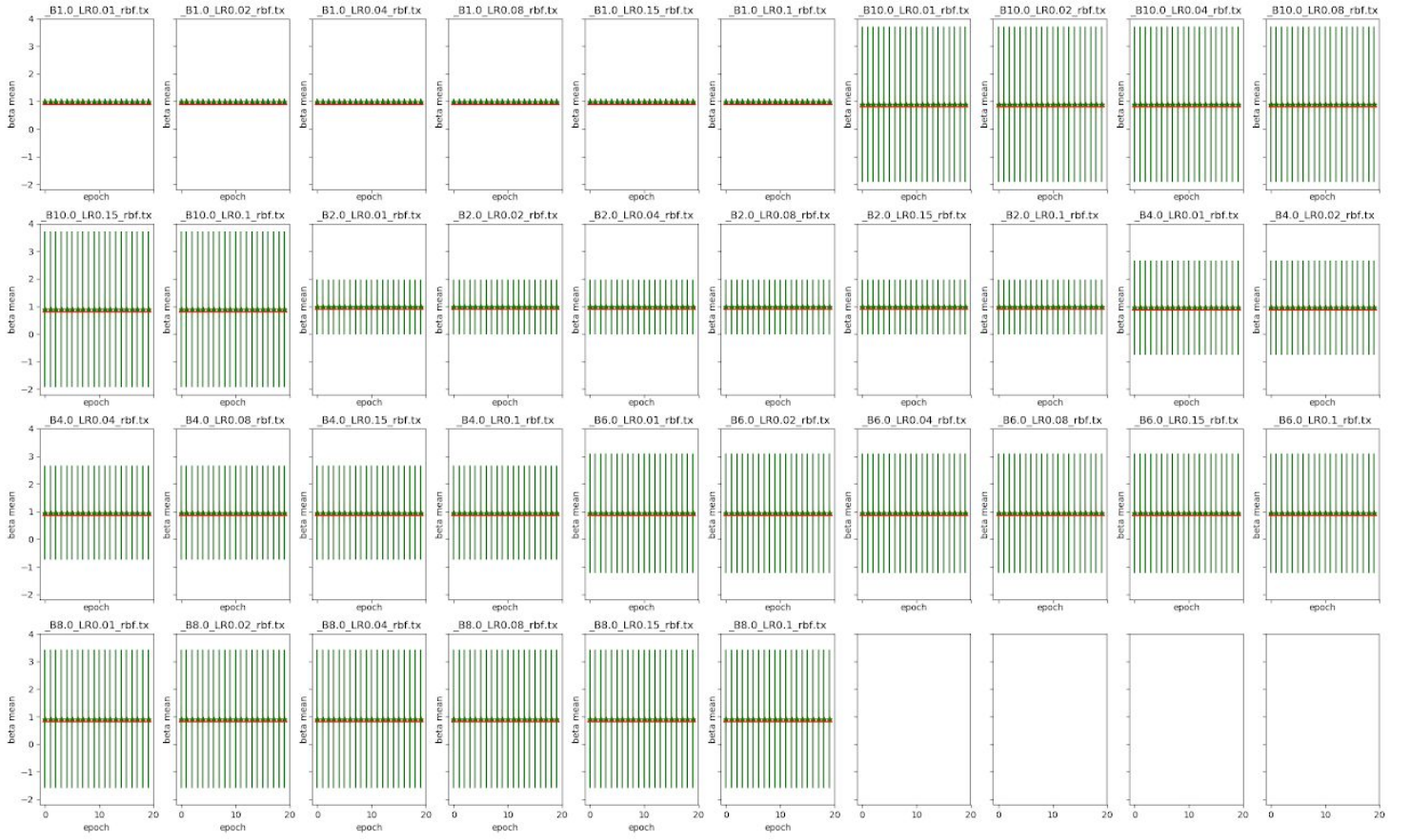


Figure 4: Shows the mean value and std of the beta values at each training epoch for the two versions using a the rbf kernel.