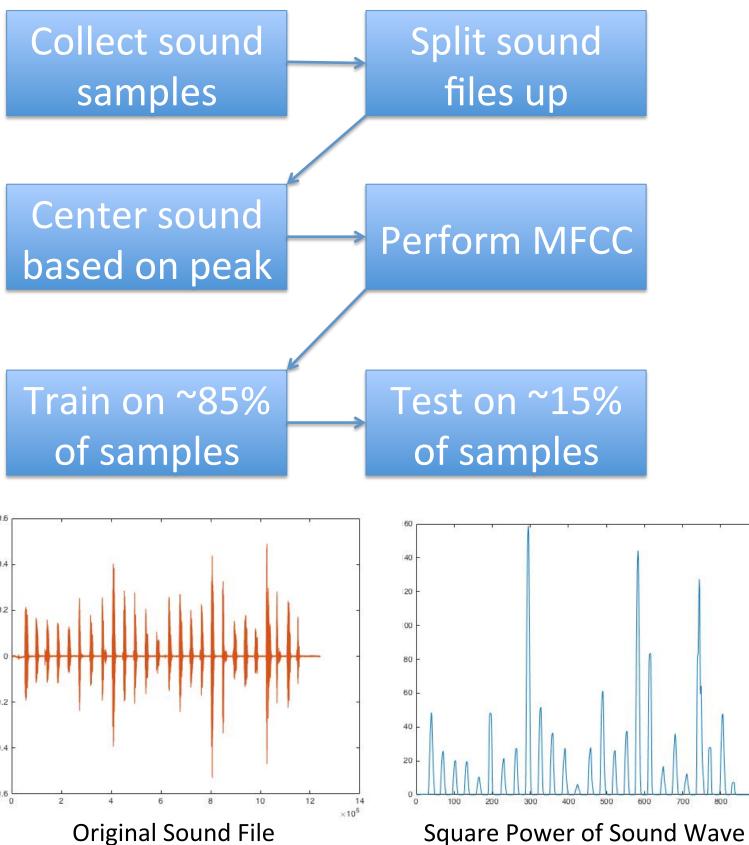
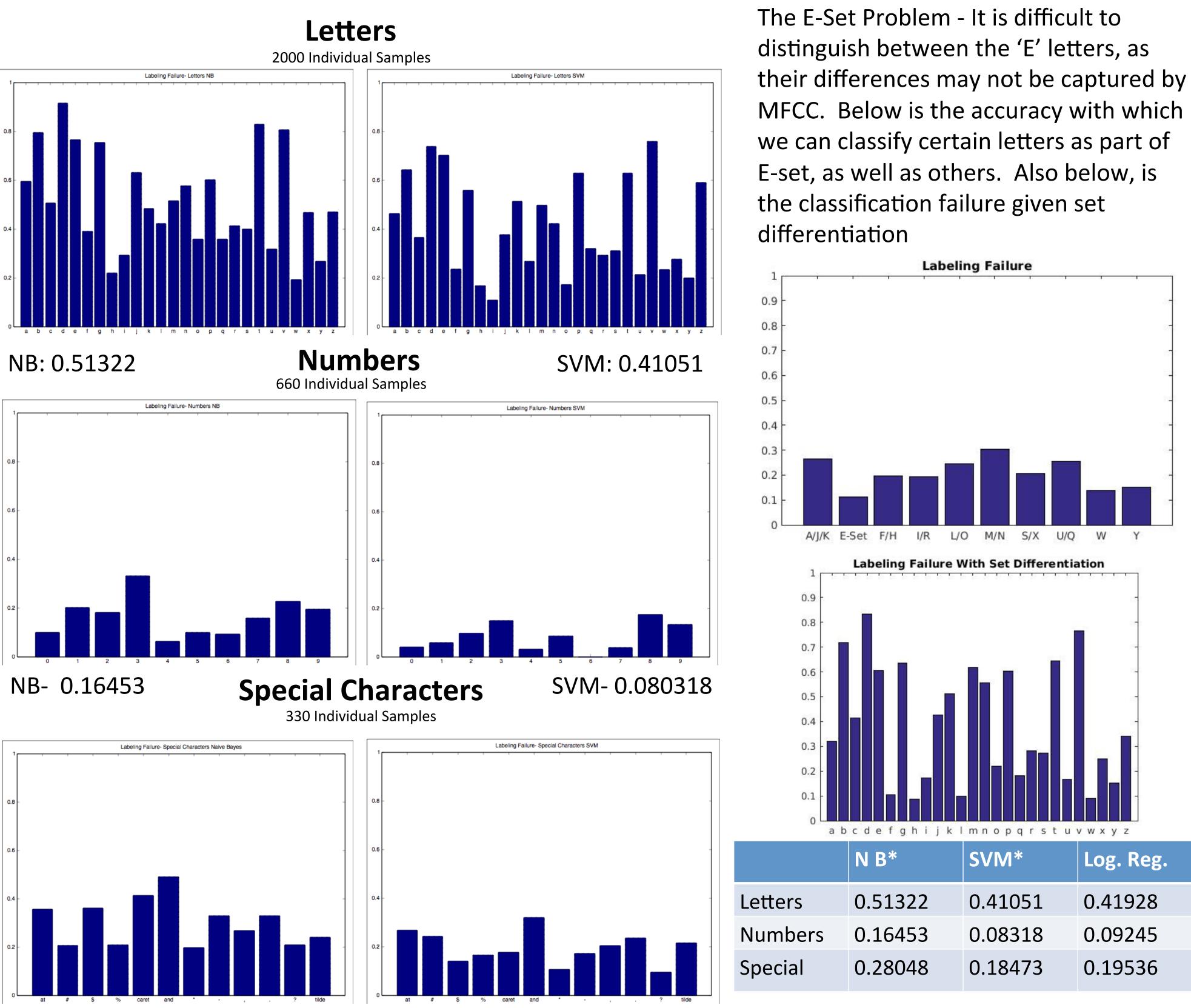
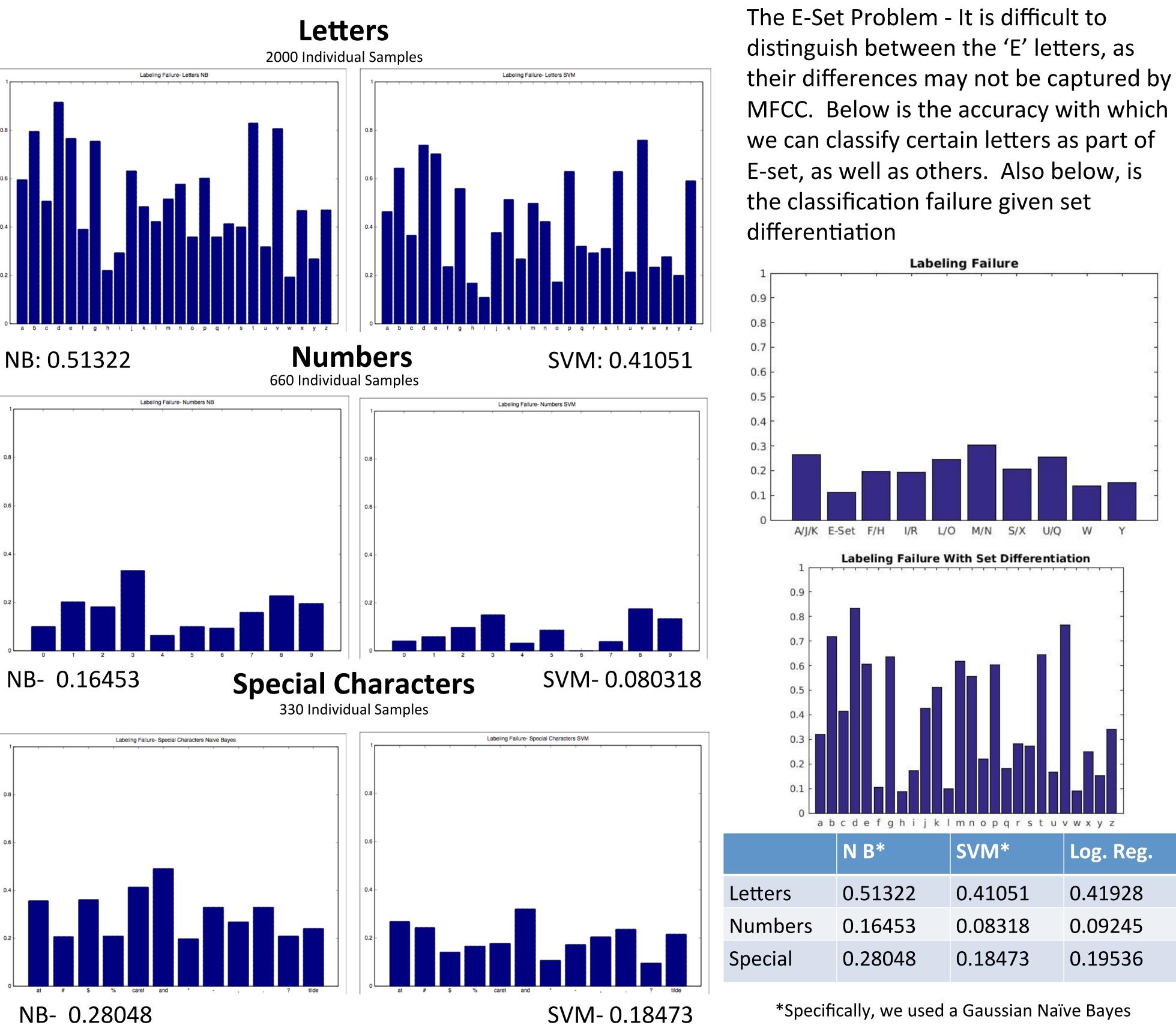
Spoken Character Recognition

Motivation: Current research in voice recognition software emphasizes word-by-word data. A character recognition software would be particularly applicable in situations such as randomized passwords. It could also act as an **accessibility tool** for those who cannot type or are blind.





Mel-frequency cepstrum coefficients (MFCC) were used to characterize the soundbites. MFCC ignores individual differences in how the words are pronounced, but instead focuses on the short term power bands of the sound inputs.



SVM-0.18473

*Specifically, we used a Gaussian Naïve Bayes and a Support Vector Machine with a linear kernel

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