Data analysis done by C.Scheidiger 9/6/2011

Overview

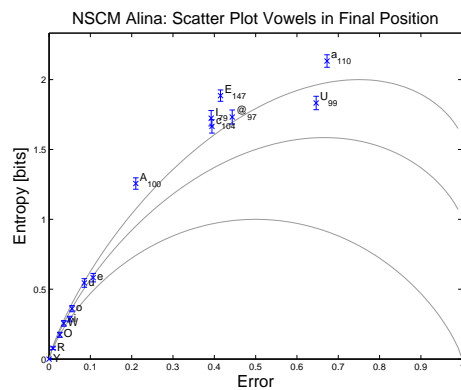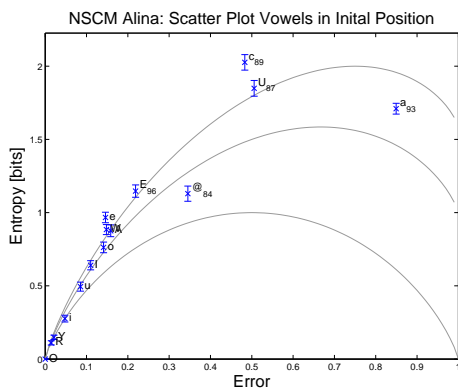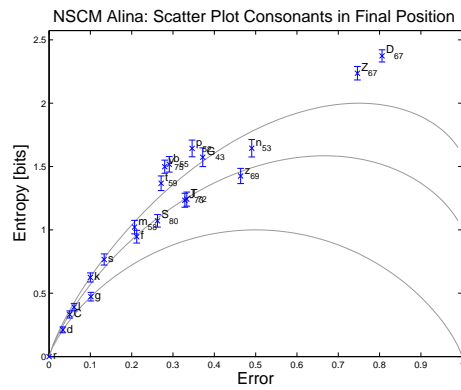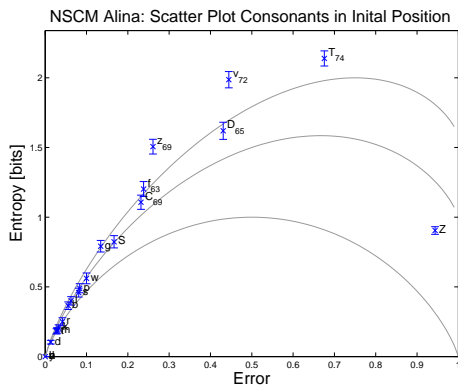This document shows entropy vs error rate plots for each subject of the NSCM experiment.

Each subject is listed on a page and every page consists of four plots. In all the plots the abscissa is the error rate. The ordinate shows the the entropy in bits. As a reference every plot additionally displays three curves. The lowest one corresponding to confusion with only one other sound. The second one with two other sound and the third one with three other sounds.

The upper left plot always shows the confusion for stimuli with consonants in initial position. Whereas the upper right plot shows the confusion for stimuli with consonants in final position.

The lower plots show the data for stimuli with vowels in initial position (left) and in final position (right) respectivley. Color Code for subjects:
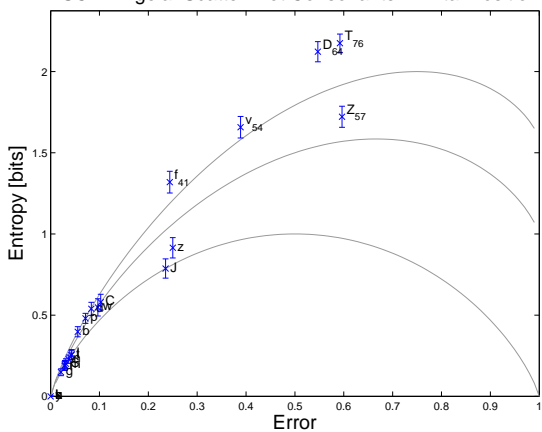
- Reading Disabled Group

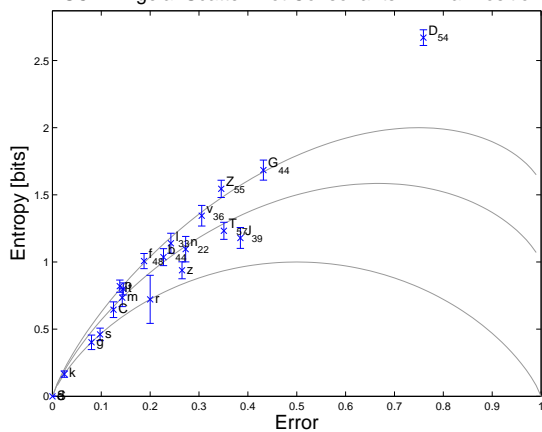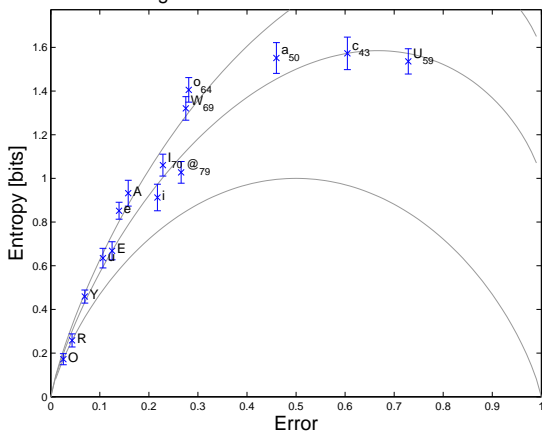- Normal Reader Group

Alina

Angela
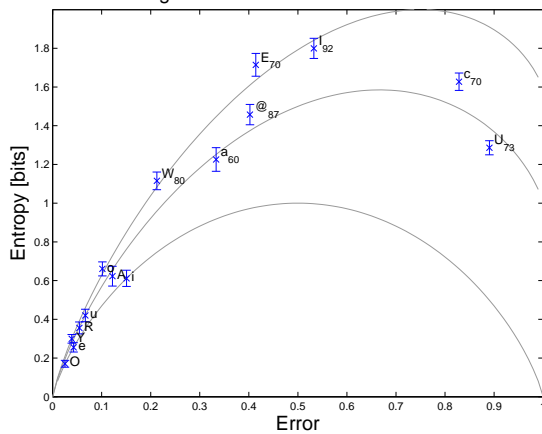

NSCM Angela: Scatter Plot Consonants in Inital Position
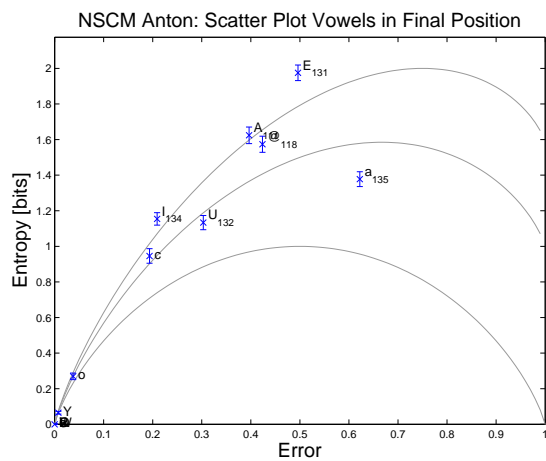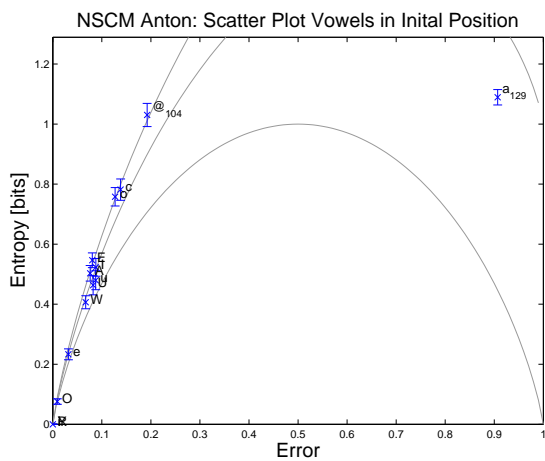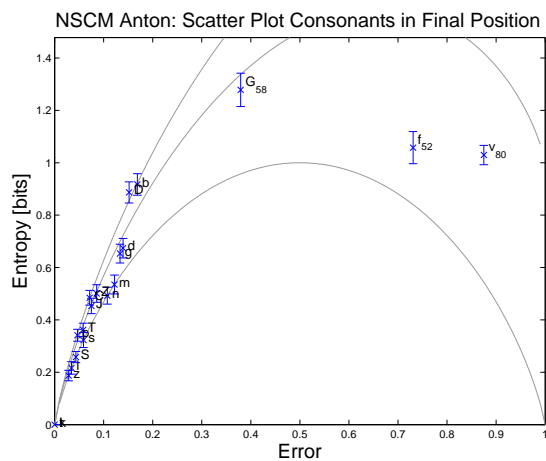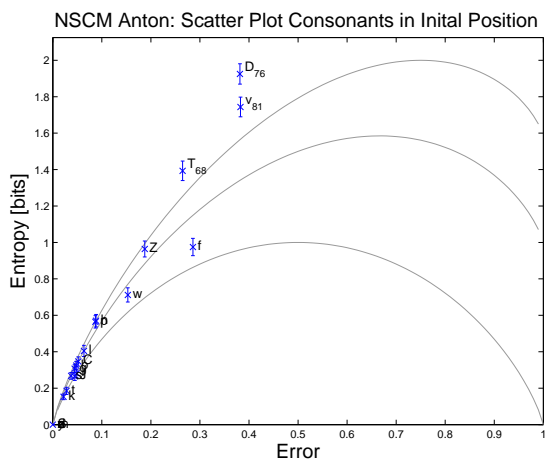

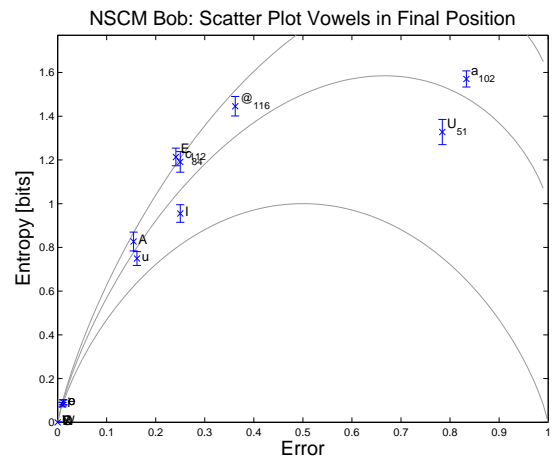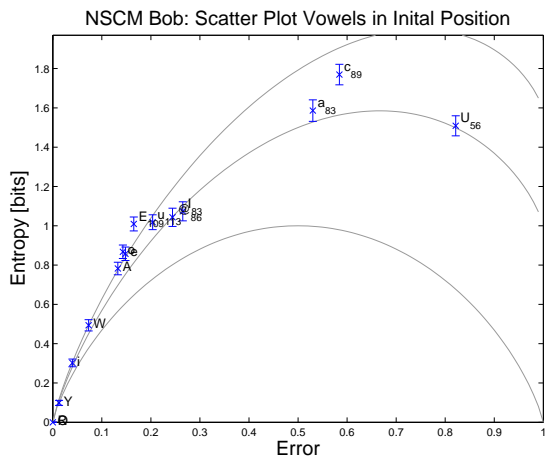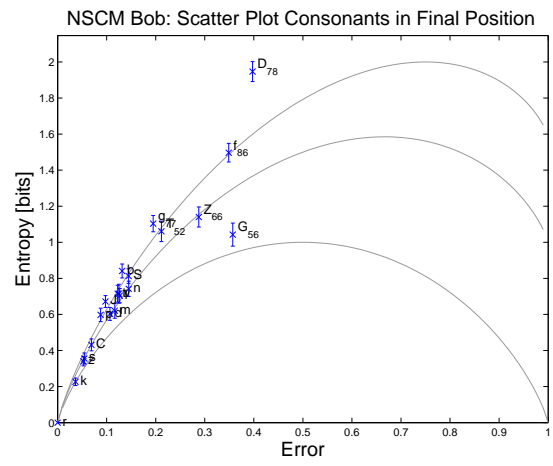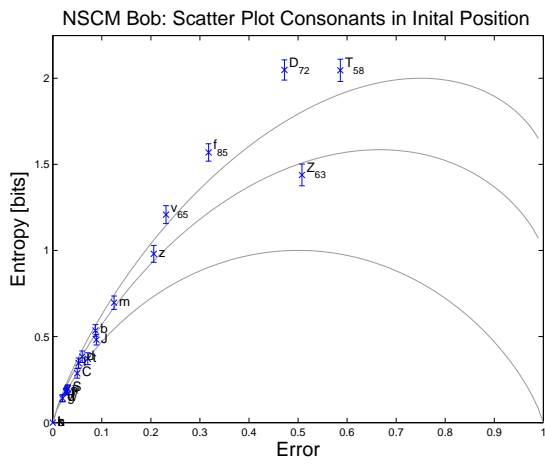NSCM Angela: Scatter Plot Consonants in Final Position

NSCM Angela: Scatter Plot Vowels in Inital Position
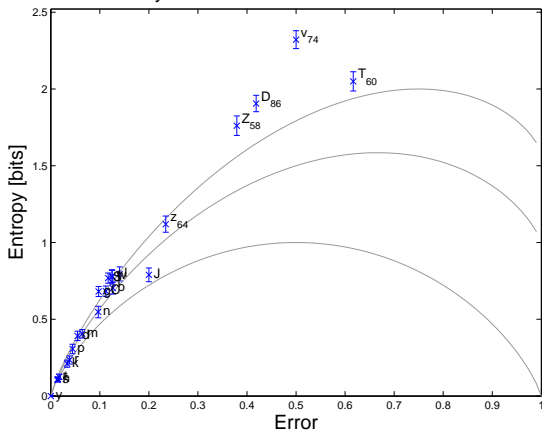

NSCM Angela: Scatter Plot Vowels in Final Position

Anton

NSCM Anton: Scatter Plot Consonants in Inital Position

NSCM Anton: Scatter Plot Consonants in Final Position

NSCM Anton: Scatter Plot Vowels in Inital Position

NSCM Anton: Scatter Plot Vowels in Final Position

Bob

NSCM Bob: Scatter Plot Consonants in Inital Position

NSCM Bob: Scatter Plot Consonants in Final Position

NSCM Bob: Scatter Plot Vowels in Inital Position

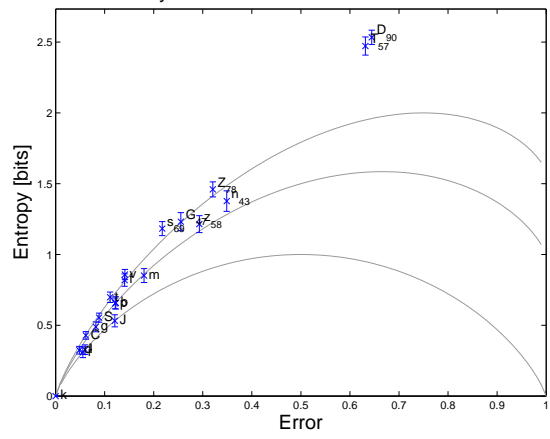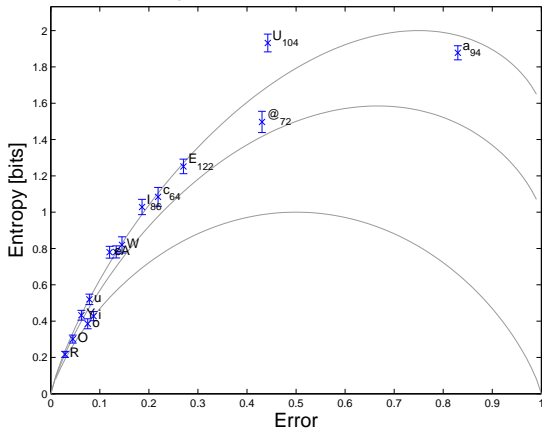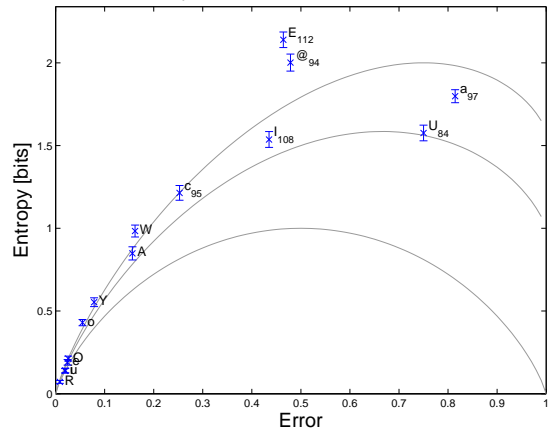NSCM Bob: Scatter Plot Vowels in Final Position

Carly

NSCM Carly: Scatter Plot Consonants in Inital Position

NSCM Carly: Scatter Plot Consonants in Final Position

NSCM Carly: Scatter Plot Vowels in Inital Position
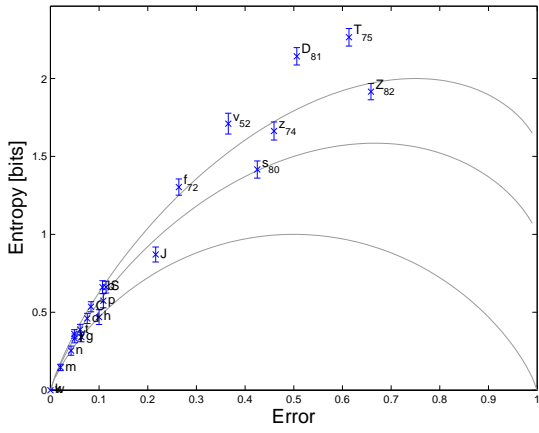
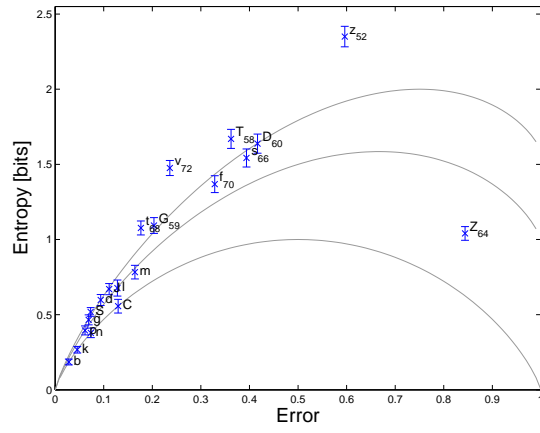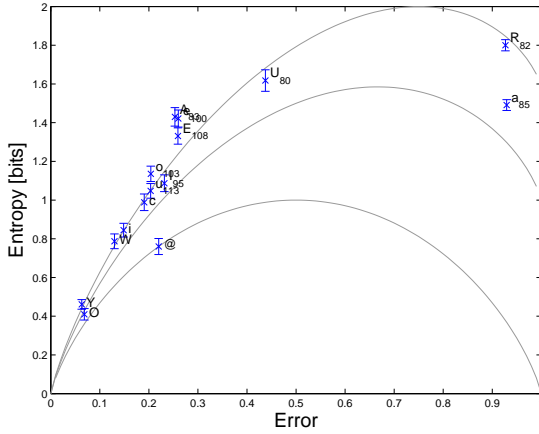**NSCM Carly: Scatter Plot Vowels in Final Position**
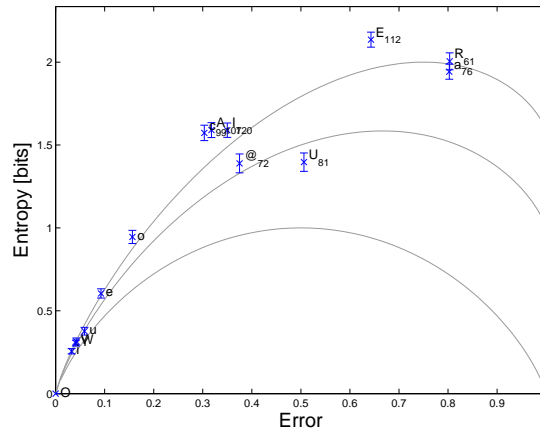
Edward

NSCM Edward: Scatter Plot Consonants in Inital Position
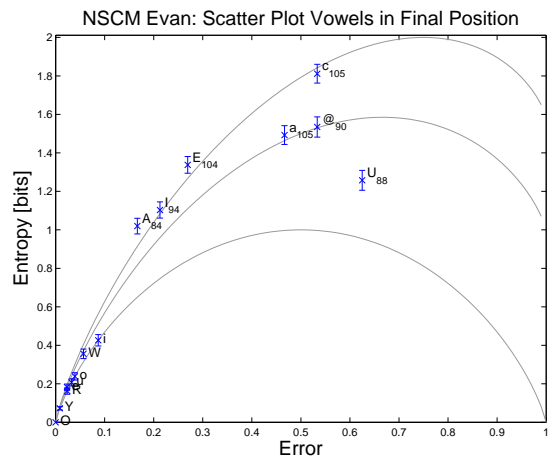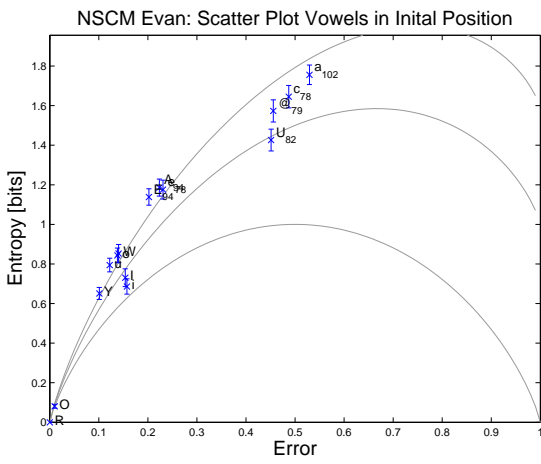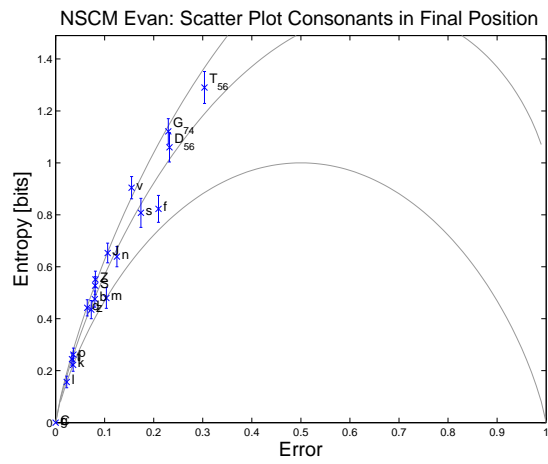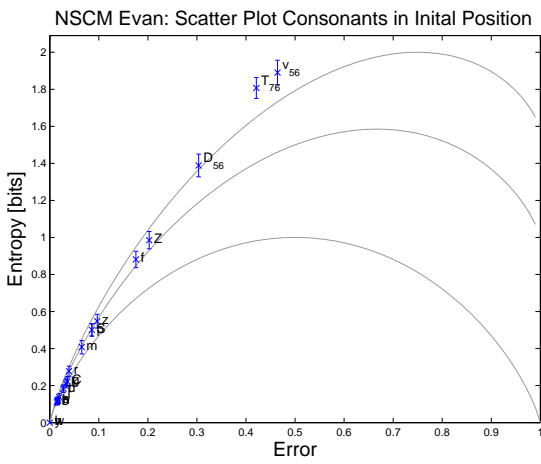

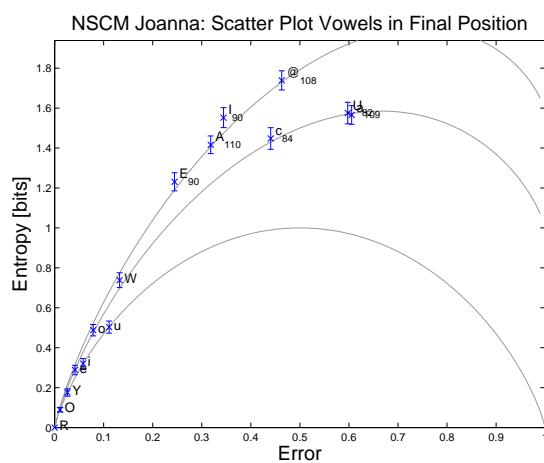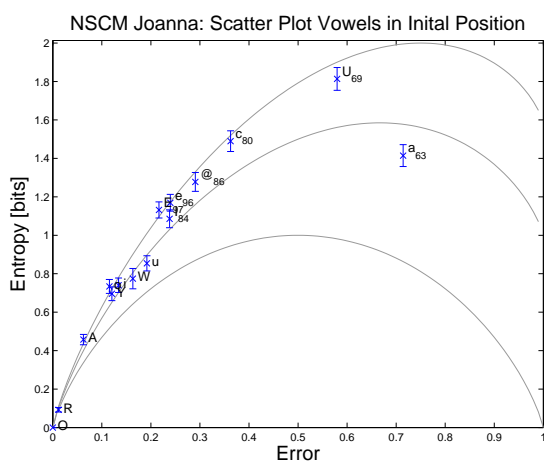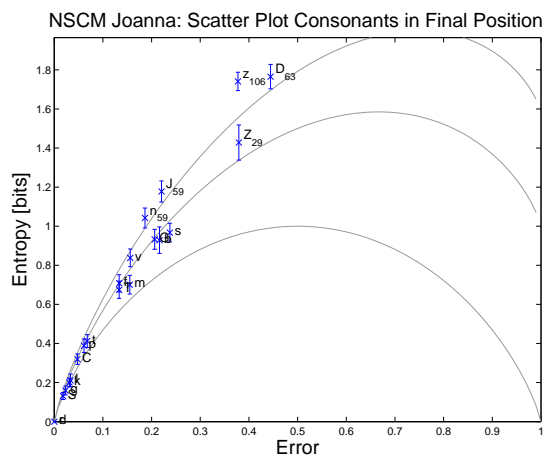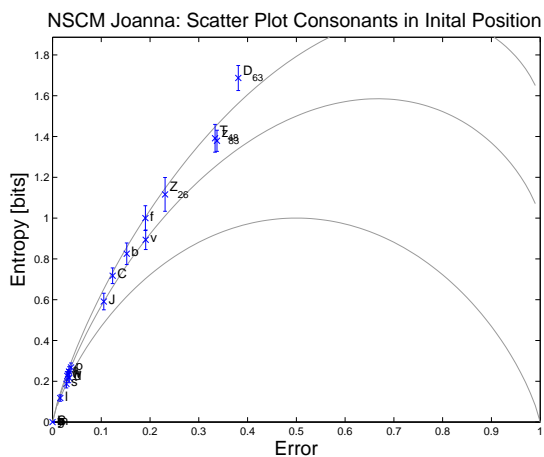NSCM Edward: Scatter Plot Consonants in Final Position

NSCM Edward: Scatter Plot Vowels in Inital Position

NSCM Edward: Scatter Plot Vowels in Final Position

Evan

NSCM Evan: Scatter Plot Consonants in Inital Position

NSCM Evan: Scatter Plot Consonants in Final Position

NSCM Evan: Scatter Plot Vowels in Inital Position

NSCM Evan: Scatter Plot Vowels in Final Position

Joanna

NSCM Joanna: Scatter Plot Consonants in Inital Position

NSCM Joanna: Scatter Plot Consonants in Final Position

NSCM Joanna: Scatter Plot Vowels in Inital Position
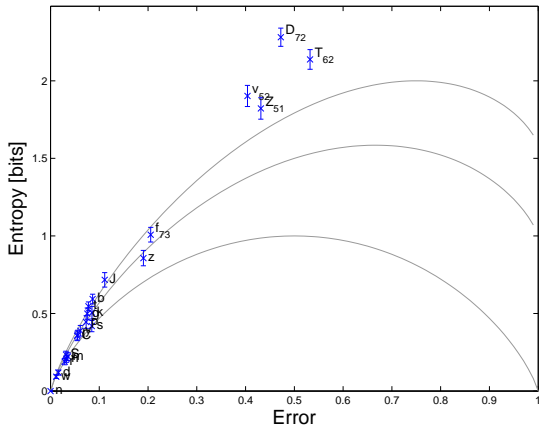

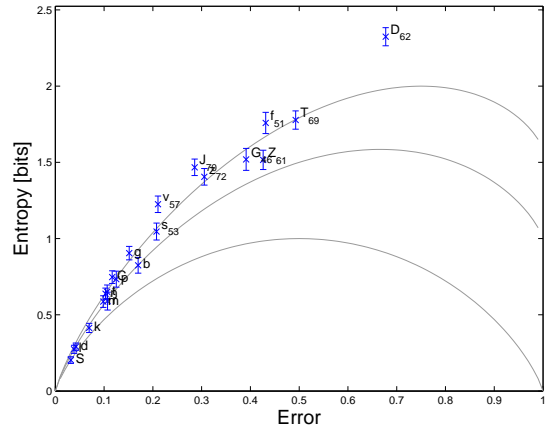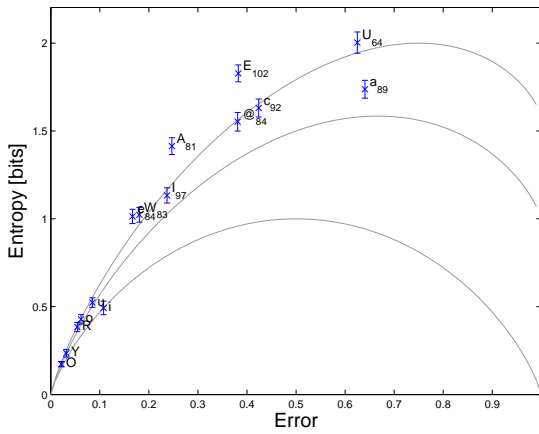NSCM Joanna: Scatter Plot Vowels in Final Position

Latisha

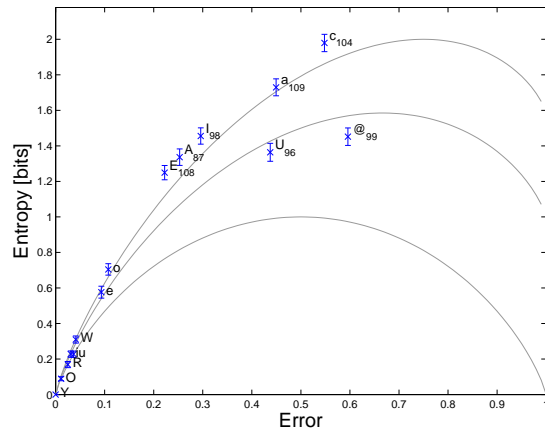NSCM Latisha: Scatter Plot Consonants in Inital Position

NSCM Latisha: Scatter Plot Consonants in Final Position

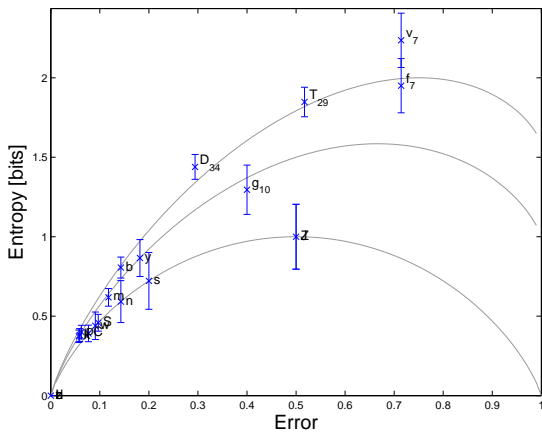NSCM Latisha: Scatter Plot Vowels in Inital Position

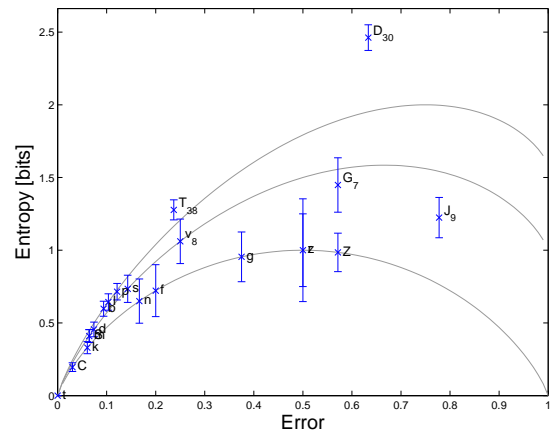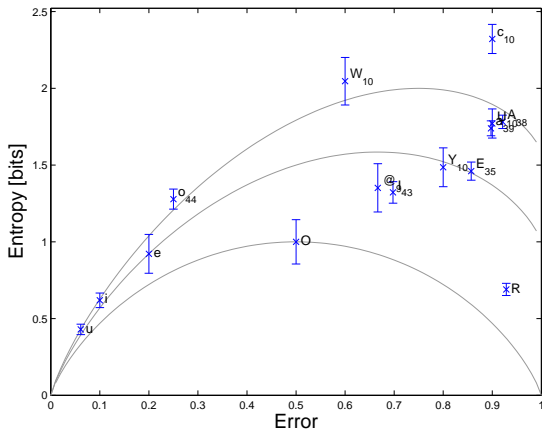NSCM Latisha: Scatter Plot Vowels in Final Position

Laura

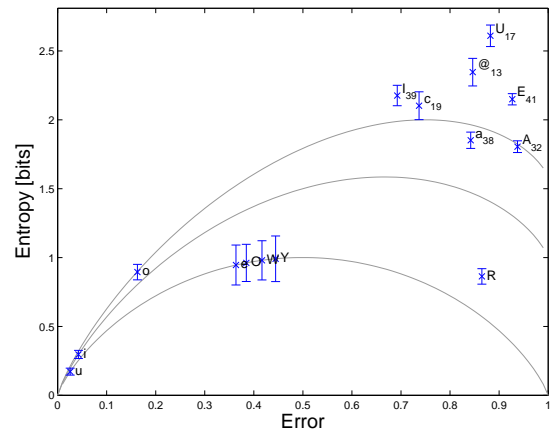NSCM Laura: Scatter Plot Consonants in Inital Position

NSCM Laura: Scatter Plot Consonants in Final Position

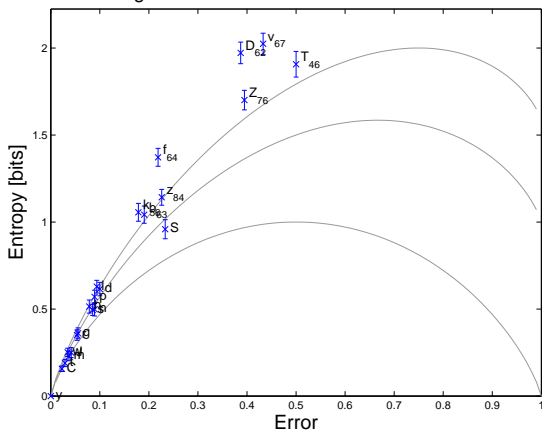NSCM Laura: Scatter Plot Vowels in Inital Position

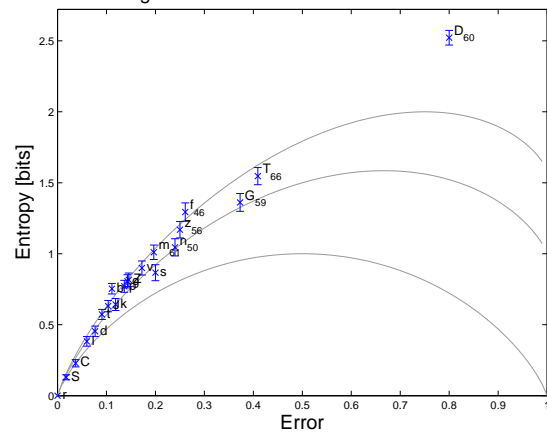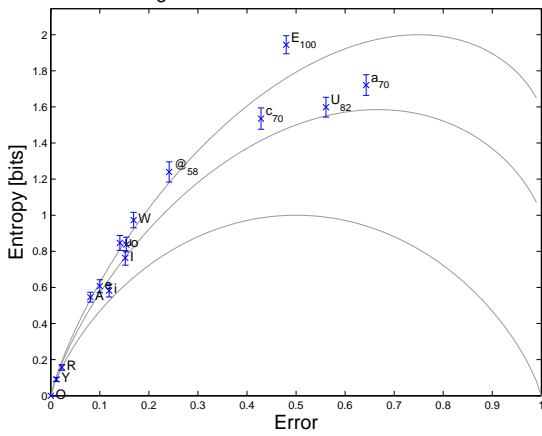NSCM Laura: Scatter Plot Vowels in Final Position
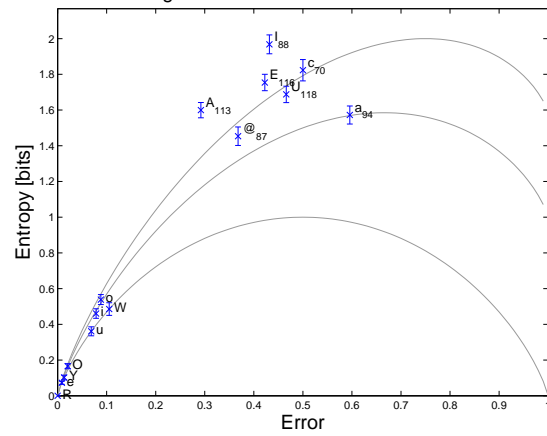
Miguel

NSCM Miguel: Scatter Plot Consonants in Inital Position

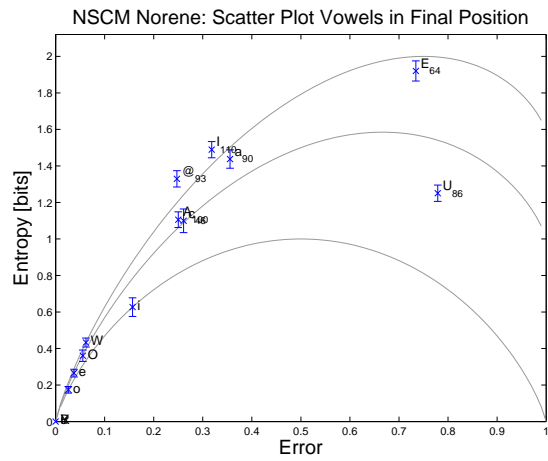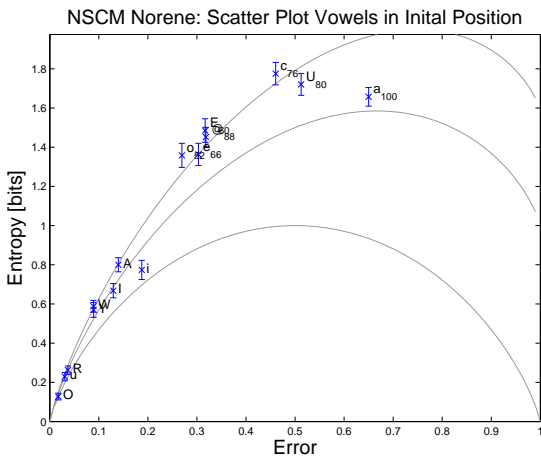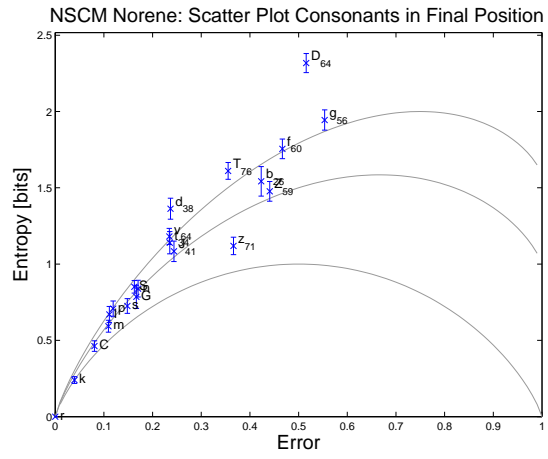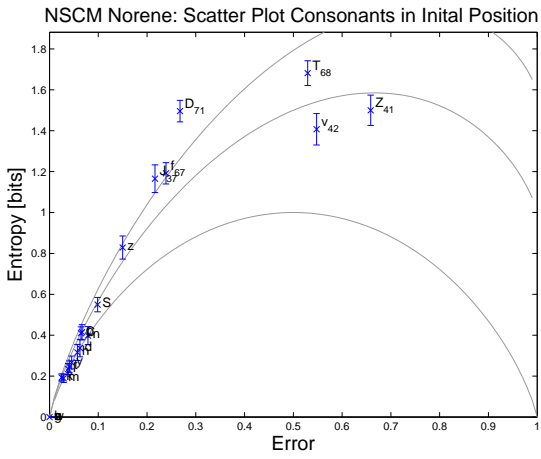NSCM Miguel: Scatter Plot Consonants in Final Position

NSCM Miguel: Scatter Plot Vowels in Inital Position

NSCM Miguel: Scatter Plot Vowels in Final Position

Norene

NSCM Norene: Scatter Plot Consonants in Inital Position

NSCM Norene: Scatter Plot Consonants in Final Position

NSCM Norene: Scatter Plot Vowels in Inital Position
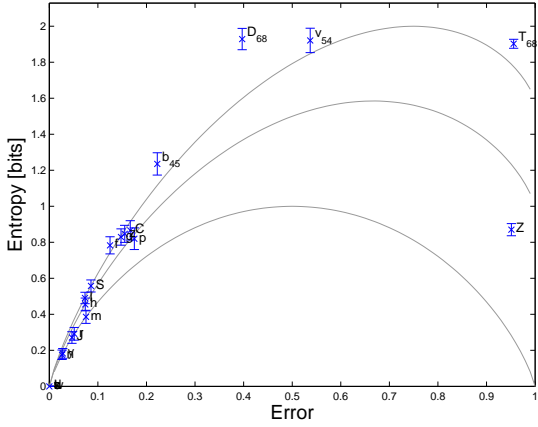

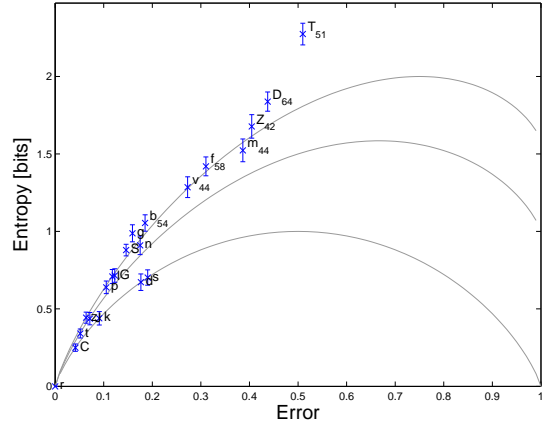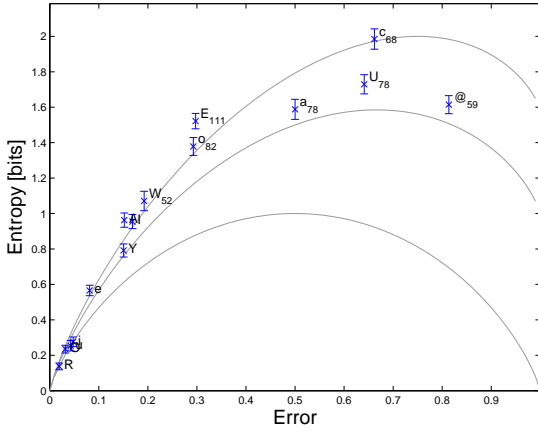NSCM Norene: Scatter Plot Vowels in Final Position

Shauna

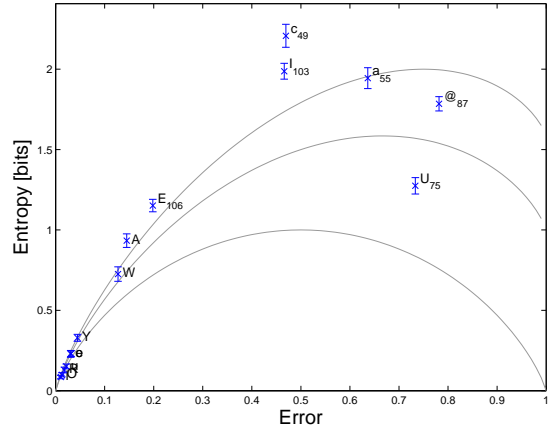NSCM Shauna: Scatter Plot Consonants in Inital Position

NSCM Shauna: Scatter Plot Consonants in Final Position

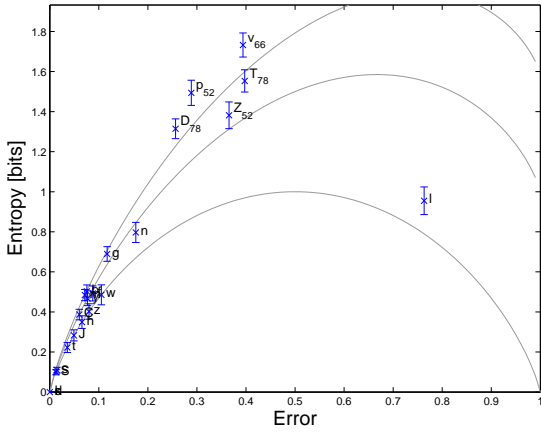NSCM Shauna: Scatter Plot Vowels in Inital Position

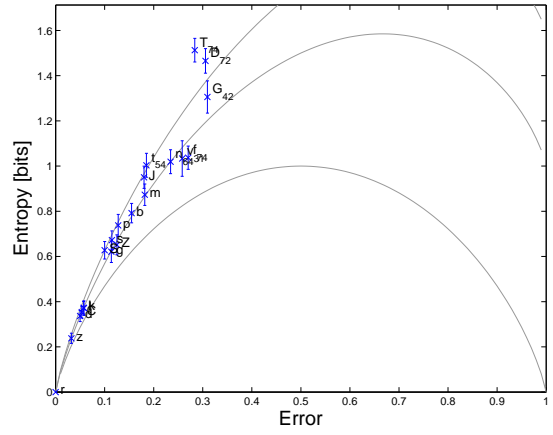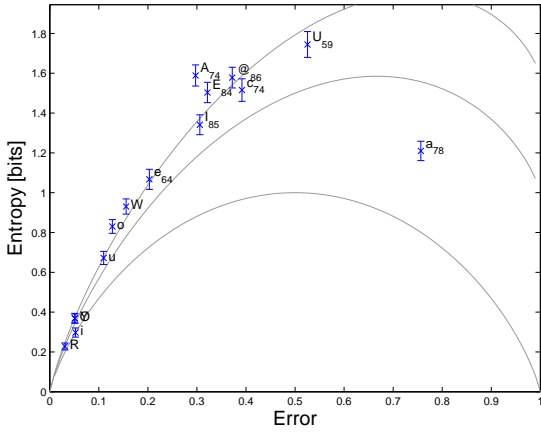NSCM Shauna: Scatter Plot Vowels in Final Position

Teddy

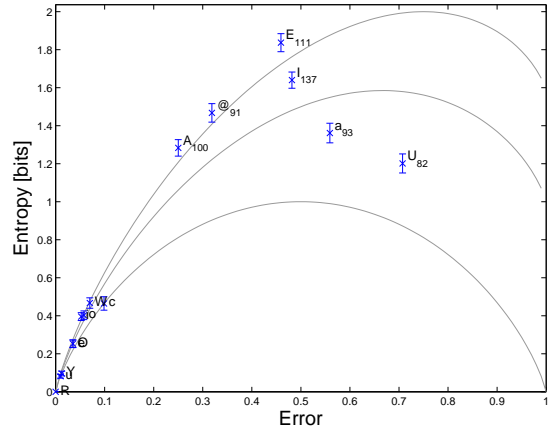NSCM Teddy: Scatter Plot Consonants in Inital Position

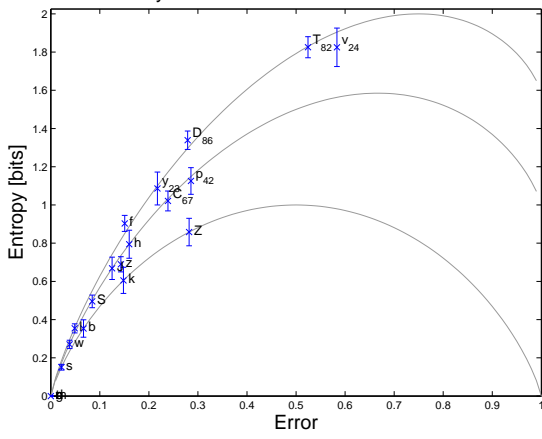NSCM Teddy: Scatter Plot Consonants in Final Position

NSCM Teddy: Scatter Plot Vowels in Inital Position

NSCM Teddy: Scatter Plot Vowels in Final Position

Tony

NSCM Tony: Scatter Plot Consonants in Inital Position

NSCM Tony: Scatter Plot Consonants in Final Position
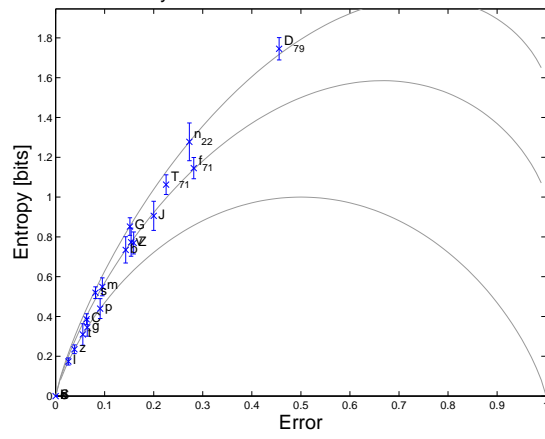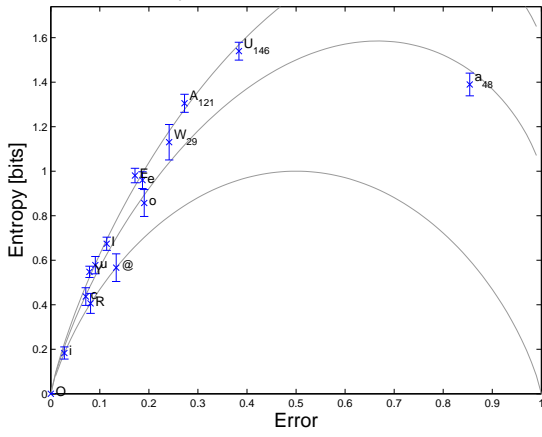

NSCM Tony: Scatter Plot Vowels in Inital Position

NSCM Tony: Scatter Plot Vowels in Final Position