

Psychology 145, Fall 2006, Homework #1
10/3/06

Imagine that you have an eye-tracker (a device that measures where someone is looking at each point in time) and you want to test the Cohort model of word recognition. You decide to use the “visual world” paradigm, in which you put three or four objects on a screen, play a (recorded) word, and measure when and how long subjects look at each object.

Give the basic design of your experiment (i.e., give examples of the pictures/words you would use, describe the control condition(s), etc.), and describe the results predicted by the Cohort model.

You should assume that you’ll average across data from several subjects and several trials, but you need only give one example item set – that is, one word, one set of pictures and whatever control(s) you deem necessary. Please try to limit your response to one page, and feel free to use graphs or diagrams if it proves helpful.

This assignment is due in class on Tuesday, October 10th, and I’ll answer questions about the assignment in class on Thursday the 5th.