Code for Simulation 8, involving TRACX scaling up to real-world databases. We use an infant-directed language corpus prepared by Brent & Cartwright (1996).

To run this simulation, type the following at the Matlab prompt (>>):

run\_TRACX\_brent\_ratner(' br\_phono\_coded\_5x.txt ', 'Results.xls’)

The first argument is the input file. The second is the file to which the results will be sent.

Filenames in the parameter list need to be surrounded by single quotes.

This input file is in the directory: ‘DATA\_brent\_ratner/’. Do not put the directory name, it is automatically added to the filename.)

Worksheet ‘Words’ will contain the words and associated errors

Worksheet ‘Partwords’ will contain partwords and associated errors.

(The partwords are found by a routine called find\_partwords.m)

All parameter settings are in set\_params.m

The program, using the input file ‘br\_phono\_coded\_5x.txt’ takes approximately an hour to run on a PC with the followings specs:

Intel® Xeon® CPU,

X5365 @ 3.00 GHz,

2.99 GHz, 3.99 GB of RAM