Homework 6  
Due February 18/19

1. Transcription

   a. Hungarian: Narrowly transcribe the words in (near) minimal pairs as you listen to hw6_1.wav. Each pair will be repeated three times.

   1. [ ] ‘hen’ [ ] ‘he closes’
   2. [ ] ‘to walk’ [ ] ‘to cheat’
   3. [ ] ‘at’ [ ] ‘handle’
   4. [ ] ‘his father’ [ ] ‘he gives’
   5. [ ] ‘lizard’ [ ] ‘grease’

   b. Russian: Narrowly transcribe the words in (near) minimal pairs as you listen to hw6_2.wav. Each pair will be repeated three times.

   1. [ ] ‘to beat’ [ ] ‘way of life’
   2. [ ] ‘Dimitry (dimin)’ [ ] ‘smoke’
   3. [ ] ‘bundle’ [ ] ‘cloud’
   4. [ ] ‘blue’ [ ] ‘son’
2) In Homework 4 you recorded yourself saying a list of 14 words two times each. You also measured the formant values of the vowels in these words last week and plotted them in Excel.

   a) This week, create a similar plot of your vowel formants, but make it in R. Your plot should have the following features:

      i. Title
      ii. Labeled axes
      iii. Appropriate orientation of axes
      iv. A legend
      v. Different colors and/or symbols for each vowel category

   b) [Purpose: Learn how to search the internet to figure out how to accomplish tasks in R. Stack Exchange is a nice forum where users ask questions and discuss answers, but you should also be able to find some nice, basic tutorials and blogs.]

      Get on Google (or your favorite search engine) and find something else to add to your plot. Tell me what you did, how you did it, and what are other things you could have done if the code were slightly different. For example, you may want to change the color of the main title; show me the code you used, say what the code does, and mention other color options you could use besides the one you actually chose. A few other ideas to get you thinking: change the color of the background, change the thickness of the margin lines, add a grid in the background, overlay an outline of the vowel trapezoid, automatically add the mean values of F1 and F2 for each vowel in the plot.