

Name: _____

Section: _____

Homework 3
Due February 2/3

1. American English vowels: Transcribe the first vowel in each word as you listen to hw3_1.wav.

a. Transcription of front vowels

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|----|----------------|----|----------------|-----|----------------|
| 1. | [] | 5. | [] | 9. | [] |
| 2. | [] | 6. | [] | 10. | [] |
| 3. | [] | 7. | [] | | |
| 4. | [] | 8. | [] | | |

b. Transcription of front lax vowels

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|----|----------------|----|----------------|-----|----------------|
| 1. | [] | 5. | [] | 9. | [] |
| 2. | [] | 6. | [] | 10. | [] |
| 3. | [] | 7. | [] | | |
| 4. | [] | 8. | [] | | |

c. Transcription of back vowels

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|----|----------------|----|----------------|-----|----------------|
| 1. | [] | 5. | [] | 9. | [] |
| 2. | [] | 6. | [] | 10. | [] |
| 3. | [] | 7. | [] | | |
| 4. | [] | 8. | [] | | |

d. Transcription of low vowels

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|----|----------------|----|----------------|-----|----------------|
| 1. | [] | 5. | [] | 9. | [] |
| 2. | [] | 6. | [] | 10. | [] |
| 3. | [] | 7. | [] | | |
| 4. | [] | 8. | [] | | |

e. Transcription of central vowels

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|----|----------------|----|----------------|-----|----------------|
| 1. | [] | 5. | [] | 9. | [] |
| 2. | [] | 6. | [] | 10. | [] |
| 3. | [] | 7. | [] | | |
| 4. | [] | 8. | [] | | |

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2. Praat Exercise

1. Record yourself saying the following ten words (in the same sound file): ‘tip’, ‘team’, ‘steam’, ‘strip’, ‘deem’, ‘dip’, ‘seat’, ‘seed’, ‘kit’, and ‘kid’.
2. Save your new recording and name it stops_NAME.wav. (So, my file would be called ‘stops_terrin.wav’)
3. Create a TextGrid for the newly created sound file with two interval tiers and name them ‘Word’ and ‘Transcription’.
4. In the ‘Word’ and ‘Transcription’ tiers, mark the boundaries of each individual word.
5. In the ‘Word’ tier, type within each word boundary which word it is in English orthography (i.e., *tip*, *dip*, etc.).
6. Save the word ‘tip’ and the TextGrid for the word ‘tip’ to individual sound and TextGrid files without deleting it from the original file. You can call the new sound file and TextGrid file tip_NAME.wav and tip_NAME.TextGrid. (So, my files would be ‘tip_terrin.wav’ and ‘tip.terrin.TextGrid’)
7. Do the same for the word ‘dip’ so that you will also have new sound and TextGrid files called dip_NAME.wav and dip_NAME.TextGrid.
8. Print out the waveform and the ‘Word’ and ‘Transcription’ tiers for (only) your individual ‘tip’ and ‘dip’ files.
9. On your two printouts, transcribe (broadly) the sounds in the words within the word boundaries in the ‘Transcription’ tier. Submit the printouts in class.
10. Send me your stops_NAME.wav, tip_NAME.wav, tip_NAME.TextGrid, dip_NAME.wav, dip_NAME.TextGrid files by using the Drop Box on Oncourse.
11. Listen to your recordings for ‘tip’ and ‘dip’ and examine the waveforms and spectrograms. Describe, in your own words, any differences you notice between the two words.