

Introduction to Speech Sciences
Week 10 Thought Questions

1. Briefly explain how each of the following make speech perception challenging.
 - a. Phonemes are not 'beads on a string'

 - b. Within-talker variability

 - c. Between-talker variability

 - d. Noise

2. How does our use of multiple acoustic cues help address these challenges?

3. How does our use of lipreading cues help address these challenges?

4. What is 'perceptual warping' and how does it address these challenges?

5. How does our use of linguistic structure address these challenges?

6. How is our use of linguistic structure relevant to the design of clinical tests?

7. To what extent is speech innate and to what extent is it learned?

8. Is there a critical period for learning the sounds of one's native language?