Outline

- Introductions
- Lab Overview
- Group Projects
- Transcription pop quiz!
- Introduction to tools and resources
  - Phonetics Webpage
  - Praat
  - R
  - LaTeX
  - IPA
- Homework 1
Introductions

1. Name
2. Major
3. Interests (can be broad, can be narrow… just to help you find your group members for the project)
4. Any software that you ever used to process speech (it’s perfectly normal to say ‘none’)

Lab Overview

- **Course web page** (syllabus, assignments, resources, etc.)
- **Phonetics Laboratory web page**

- 4 goals of lab
  1. Transcription experience
  2. Concepts
  3. Tools
  4. Projects
Lab Overview: Transcription

• Transcription exercises
  • In lab
  • As homework
  • What are we really doing when we transcribe?

• Transcription exams
  • Exam I: February 25/26
  • Exam II: April 7/8
Lab Overview: Concepts

• Anatomy
• Aerodynamics
• Acoustics
  • Waveform
  • Spectrogram
• Phonetic Gestures
• Relationship between gestures and acoustics
Lab Overview: Tools

- **Praat**
  - Basics
  - Scripting

- Other recording/analysis software
  - **Wavesurfer**
  - **Audacity**
  - **R**
    - Basic overview
    - Basic data organization
    - Creating figures
      - vowel plots
      - bar and whisker plots
      - others?

- **LaTeX** (optional)
  - Essentials
    - Basic document creation
    - IPA symbols (TIPa)
    - Tables
    - Figures
    - Cross-referencing
    - Citations (bibtex)
  - Advanced
    - Glosses
    - Figure creation (Tikz)
    - Table of Contents
Lab Overview: Projects

- General guidelines
- Start thinking about possible topics
- Form groups (approx. 3 people per group)
  - Don’t have to be in the same lab section
- Stick to the timeline
Pop Quiz!

• Transcribe the following speech using IPA symbols
IPA Resources

• Audio:
  • University of Victoria Interactive IPA Chart
  • IPAChart.com
• Consonants
• Vowels
• Online Keyboard
• IPA input method for Mac
Extra Credit

• Programs
  • IPA practice w/ feedback
  • Helpful Praat scripts

• Songs and/or poems
  • Structured verse preferred
  • Beat poetry acceptable
  • Love songs encouraged
Homework 1

• Download the sound file and PDF from the lab website
• Due next week at the beginning of lab
• Turn in a hard copy

• How to download and open a soundfile in Praat