The Music of Speech

Practicalities

Dafydd Gibbon

Mannheim 2019-06/07

http://wwwhomes.uni-bielefeld.de/gibbon/2019-Mannheim-Summer-School/

Overview

Fri 2019-06-13, 10:45	1. Speech and Music
Tue 2019-06-18, 08:30	2. Basics
Tue 2019-06-18, 10:45	3. Practical work
Mon 2019-06-24, 15:30	4. Rhythm
Wed 2019-06-26, 13:15	5. Measuring rhythm
Fri 2019-06-28, 08:30	6. Melody
Fri 2019-06-28, 10:45	7. Measuring melody
Tue 2019-07-02, 08:30	8. Project preparation
Tue 2019-07-02, 10:45	9. Project discussion
Wed 2019-07-03, 15:30	10. Project discussion
Thu 2019-07-04 13:15	11. Project reports

Grade and Credit requirements (6 credits)

- Basic requirement:
  - Project on topics to be negotiated by the participants before the beginning of the project phase
  - Project groups of 2, with participants from different universities
  - Project output as a 10 minute slide presentation with speech media, to be presented in the last class and submitted to me
  - Grading by me ~~with input from peer review by all participants (a review form will be provided)~~
- Special requirements for research papers:
  - Students who need to write a term paper may do so:
    - A mandatory *Word* / *LibreOffice* stylesheet will be provided
    - Submission directly to me by 31st August

Grade definitions

The grading is based on the following criteria (see also the review criteria):

5: fail

4: pass – basic knowledge, coherently presented

3: satisfactory – like 4, plus useful details and illustrations

2: good – like 3, plus well researched additional background knowledge

1: very good – like 2, plus original research ideas

Notes on Projects

- No knowledge of linguistics and phonetics is required at the beginning of the course, only at the end!
- Project topics will be freely negotiated by participants
- Topics can relate the course content to areas like
  - Language teaching, L1 – L2 comparison
  - Clinical phonetics, speech therapy
  - Forensic phonetics, phonetics in criminology
  - Functions of rhythm and melody in communication
  - Specific topics:
    - Rhythm of your own speech
    - Melody of your own speech ☺
  - Math geniuses can also pick appropriate topics
    but this is not obligatory...

Practical activities

- No knowledge or experience any of these activities is required at the beginning of the class:
  - Recording of speech data (for this you can use your normal phone earphone+microphone on your laptop)
  - Editing speech data with *Audacity* (install this on your laptop)
  - Listening to data and informal description of data, for example:
    - Sounds of voices: 'monotonous', 'sing-song', 'shouting', 'whispering', 'high-pitched', 'low-pitched', 'squeaky', 'rumbling', 'bass', 'tenor', 'alto', 'soprano', 'falsetto', 'fast' or 'slow', ...
    - Effects of voices: 'harsh', 'gentle', 'kindly', 'sexy', 'aggressive', 'angry' 'breathless', 'boring', 'excited', ...
  - Analysis of data
    - With *Praat* (install this on your laptop)
    - Online tools (with a normal browser), e.g. *TGA*
- Creation of graphics to illustrate descriptions of data
- Use of *LibreOffice Calc* or *Excel* for basic statistics about data

Project presentation review criteria

- Working hypothesis / research question:
  - Is there a clear working hypothesis?
  - Is the result clearly demonstrated as confirmation or rejection of the working hypothesis?
- Data:
  - Are the criteria for choosing the data clearly described
- Method:
  - Is the method clearly presented and well illustrated with well-chosen graphics and sound?
- Argumentation / discussion:
  - Is the presentation just a list of points or is there interesting argumentation with premises / assumptions and consequences?
  - Are the results well documented?

Grading process

- For your presentation, each person should present one part, and
  1) Check that your presentation is about 10 minutes
  2) Check your presentation and audio with the projector
     - Standard is Windows with VGA or HDMI
     - For USB-C you will need a USB-C-to-HDMI adapter
     - For Macbooks you need a Mac-to-HDMI or Mac-to-VGA adapter
     - Audio should be available
- After the presentation please send me
  1) Your presentation in PPT (or similar) format
  2) The audio files which you used
- Also please send me an email with the following information for each participant in your project:
  1) Full name (including English names)
  2) Email address
  3) What form your university requires for grades (e.g. <u>term paper</u>)