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Interactive web-based review units for phonetics and phonology

Motivation:

Problems:

- Foundational skills in phonetics and phonology are covered in the basic module.
- Skills are built progressively, but students often forget skills from the basic module
- Significant time required to review foundational skills in intermediate/advanced courses

<u>Concepts:</u> Web-based interactive learning units Added values:

- More contact hours through flipped classroom teaching or self-paced learning
- · Review what only is needed.

Goals and target groups:

The English Linguistics basic module (≈300 students per semester), and intermediate/advanced courses (≈120 students per sem.) on phonetics/phonology.

<u>Learning objectives:</u>

- Name parts of the vocal tract
- Categorize English consonant and vowel sounds
- Apply phonetic **transcription**.
- Define **phonemes**, apply **diagnostic tests**
- Name parts of the syllable
- Apply the theory on syllabification
- State the purpose of **feature** theory

Implementation

- Tools and environment: Moodle with HP5 plugins
- Design: Multiple units: each is self-contained and is set up as follows: an intro quiz, interactive content and an outro quiz
- Tested: The basic module, an intermediate module and two advanced modules.

Results and outlook

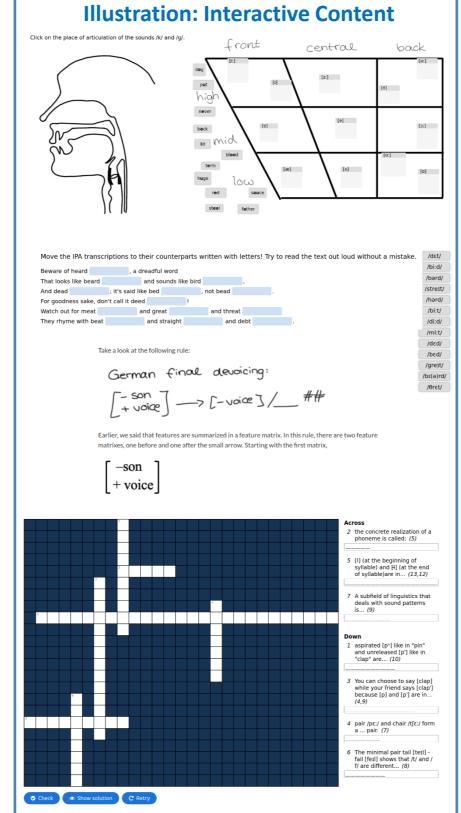
<u>Challenges</u>: 1) **open-source** content, 2) **response rate** with formal course evaluation, 3) **dissemination**, 4) **Moodle discontinuation** at HHU

Project evaluation:

- **Overall positive**: 1.7/5 for "I would recommend the e-learning offering to other students."
- Quiz quality can be improved, with a rating of 2.3/5 for "The quizzes at the beginning and end of each unit helped identify what to focus on."
- Feedback aligned with project objectives

Acknowledgements

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Course evaluation: Open set questions

What did you particularly like about the e-learning offering?

"Self paced reviewing of material, catch up on the things you need to and being able to focus on individual weaknesses"

"Easy to use, accessible at any time, gave a good and quick review of contents from the basic module that I needed for this course"

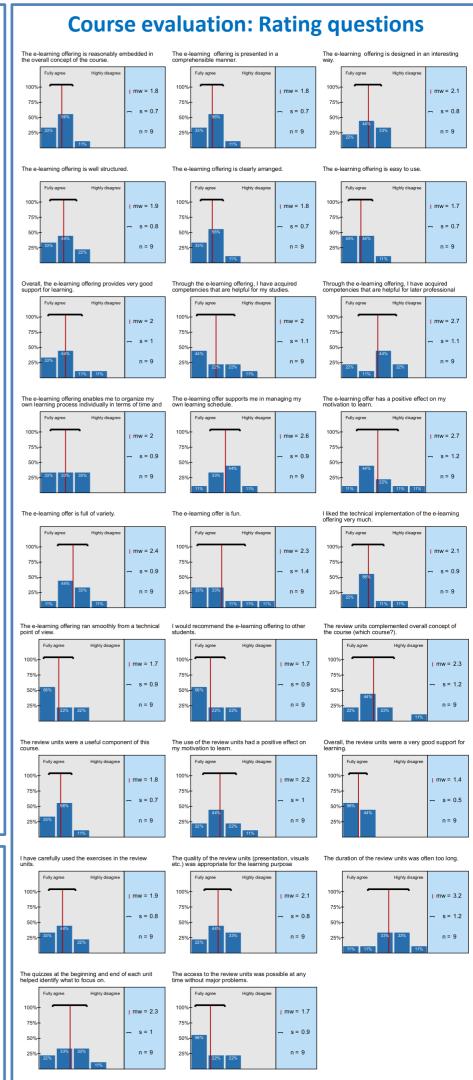
For what makes learning complicated?

What suggestions do you have for improving the e-learning offering (why)?

"To expand the e-learning offering to the other topics of the course"

"Eventuell mehr Zusatzmaterial. Es gibt für Phonetics and Phonology zwar aud Moodle etwas, allerdings nicht für Morphology oder Syntax."

"implement it more into the course as a form of mandatory exercise. Being a student myself I know that we sometimes need a little outside pressure to do the things that are good for us:)"



For more about the project: scan/click on QR codes

Project report

34/osf.io/74x6p

