The de-stress CAPT tool: A System for Training and Research on Errors in Second-language Stress in German

Anjana Sofia Vakil

Department of Computational Linguistics & Phonetics
Saarland University, Saarbrücken, Germany

`anjanav@coli.uni-saarland.de`

Abstract

This demonstration presents a prototype tool for Computer-Assisted Pronunciation Training (CAPT) in German. The

Index Terms: speech recognition, human-computer interaction, computational paralinguistics

1. System overview

[TODO]

2. Error diagnosis options

[TODO]

3. Feedback options

[TODO]

4. References

[1] S. B. Davis and P. Mermelstein, "Comparison of parametric representation for monosyllabic word recognition in continuously spoken sentences," *IEEE Transactions on Acoustics, Speech and Signal Processing*, vol. 28, no. 4, pp. 357–366, 1980.

[2] L. R. Rabiner, "A tutorial on hidden Markov models and selected applications in speech recognition," *Proceedings of the IEEE*, vol. 77, no. 2, pp. 257–286, 1989.

[3] T. Hastie, R. Tibshirani, and J. Friedman, *The Elements of Statistical Learning – Data Mining, Inference, and Prediction*. New York: Springer, 2009.

[4] F. Lastname1, F. Lastname2, and F. Lastname3, "Title of your INTERSPEECH 2015 publication," in *INTERSPEECH 2015 – 16th Annual Conference of the International Speech Communication Association, September 6–10, Dresden, Germany, Proceedings*, 2015, pp. 100–104.