

Most important publications for the project

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1. **Nussbaum, C.**, Frühholz, S., & Schweinberger, S. R. (2025). Understanding voice naturalness. *Trends in Cognitive Sciences*. <https://doi.org/10.1016/j.tics.2025.01.010>

Significance: This work proposes the conceptual framework for the perception of voice naturalness and outlines my vision for future research on this topic. Thus, it provides the theoretical and practical foundation of my empirical work. All materials associated with the publication are available on a public OSF repository. I am the main author of this article and have conducted most of the work.

2. **Nussbaum, C.**, Pöhlmann, M., Kreysa, H., & Schweinberger, S. R. (2023). Perceived naturalness of emotional voice morphs. *Cognition & Emotion*, 1–17. <https://doi.org/10.1080/02699931.2023.2200920>

Significance: This was our first empirical paper on the perception of voice naturalness. In this work, we showed that reduced naturalness in the vocal material does not substantially disrupt the perception of emotional expression. This work also provides the proof of principle that meaningful data on the impression of voice naturalness can be gathered in online studies. All materials associated with the publication (including raw data and analysis scripts) are available on a public OSF repository. I am the main author of this article and have conducted most of the work (details in the credit author statement of the paper).

3. **Nussbaum, C.**, von Eiff, C. I. von, Skuk, V. G., & Schweinberger, S. R. (2022). Vocal emotion adaptation aftereffects within and across speaker genders: Roles of timbre and fundamental frequency. *Cognition*, 219, 104967. <https://doi.org/10.1016/j.cognition.2021.104967>

Significance: This is a study on perceptual adaptation in vocal emotions. It shows that adaptation to angry voices can bias the response to ambiguous voices (on an angry-fearful continuum) towards more fearful classifications, while adaptation to fearful voices leads to more angry classifications of the same ambiguous voices. Usually, analysis of response patterns in adaptation paradigms requires adequate modelling of the data (in this case via so-called cumulative Gaussians), which I successfully conducted and reported in this work. All materials associated with the publication (including raw data and analysis scripts) are available on a public OSF repository. I am currently working on a follow-up project, which is preregistered here: <https://osf.io/3h9wn>. I am the main author of this article and have conducted most of the work.