

The title

First Author¹ & Ernst-August Doelle^{1,2}

¹ Wilhelm-Wundt-University

² Konstanz Business School

Author Note

Add complete departmental affiliations for each author here. Each new line herein must be indented, like this line.

Enter author note here.

The authors made the following contributions. First Author: Conceptualization, Writing - Original Draft Preparation, Writing - Review & Editing; Ernst-August Doelle: Writing - Review & Editing.

Correspondence concerning this article should be addressed to First Author, Postal address. E-mail: my@email.com

Abstract

One or two sentences providing a **basic introduction** to the field, comprehensible to a scientist in any discipline.

Two to three sentences of **more detailed background**, comprehensible to scientists in related disciplines.

One sentence clearly stating the **general problem** being addressed by this particular study.

One sentence summarizing the main result (with the words “**here we show**” or their equivalent).

Two or three sentences explaining what the **main result** reveals in direct comparison to what was thought to be the case previously, or how the main result adds to previous knowledge.

One or two sentences to put the results into a more **general context**.

Two or three sentences to provide a **broader perspective**, readily comprehensible to a scientist in any discipline.

Keywords: keywords

Word count: X

The title

Bithell (2006) Wallmark (2019) Balkwill and Thompson (1999) Osgood and Suci (1955) Krishnan, Williams, McIntosh, and Abdi (2011) McPherson (2020) Fritz et al. (2009) Chase (2003) Raman and Dowling (2016) Patel (2008) Tucker (1958) BenzEcri (1973) Raman and Dowling (2017) Dreu, Wilk, Poppe, Kwakkel, and Wegen (2012) Borg and Groenen (2005) Solli and Rolvsjord (2015) Cowen and Keltner (2017) Altenmüller and Schlaug (2015) Sepehry, Yang, Robin Hsiung, and Jacova (2013) Hadley and Norris (2015) Abdi, Williams, and Valentin (2013) # References

Abdi, H., Williams, L. J., & Valentin, D. (2013). Multiple factor analysis: Principal component analysis for multitable and multiblock data sets. *Wiley Interdisciplinary Reviews: Computational Statistics*, 5, 149–179.
<https://doi.org/10.1002/wics.1246>

Altenmüller, E., & Schlaug, G. (2015). Apollo’s gift: New aspects of neurologic music therapy. *Progress in Brain Research*, 217, 237–252.
<https://doi.org/10.1016/bs.pbr.2014.11.029>

Balkwill, L. L., & Thompson, W. F. (1999). A Cross-Cultural Investigation of the Perception of Emotion in Music : Psychophysical and Cultural Cues. *Music Perception: An Interdisciplinary Journal*, 17(1), 43–64.
<https://doi.org/10.2307/40285811>

BenzEcri, J.-P. (1973). *L’analyse des donnEes*. Paris: Dunod.

Bithell, C. (2006). The Past in Music: Introduction. *Ethnomusicology Forum*, 15(1), 3–16. <https://doi.org/10.1080/17411910600634213>

Borg, I., & Groenen, P. J. F. (2005). *Modern Multidimensional Scaling* (2nd ed., Vol. 36). Springer Science+Business Media, Inc.

- Chase, K. M. (2003). Multicultural Music Therapy: A Review of Literature. *Music Therapy Perspectives*, 21(2), 84–88. <https://doi.org/10.1093/mtp/21.2.84>
- Cowen, A. S., & Keltner, D. (2017). Self-report captures 27 distinct categories of emotion bridged by continuous gradients. *Proceedings of the National Academy of Sciences of the United States of America*, 114(38), E7900–E7909. <https://doi.org/10.1073/pnas.1702247114>
- Dreu, M. J. de, Wilk, A. S. D. van der, Poppe, E., Kwakkel, G., & Wegen, E. E. H. van. (2012). Rehabilitation, exercise therapy and music in patients with Parkinson’s disease: A meta-analysis of the effects of music-based movement therapy on walking ability, balance and quality of life. *Parkinsonism and Related Disorders*, 18(SUPPL. 1), S114–S119. [https://doi.org/10.1016/s1353-8020\(11\)70036-0](https://doi.org/10.1016/s1353-8020(11)70036-0)
- Fritz, T., Jentschke, S., Gosselin, N., Sammler, D., Peretz, I., Turner, R., . . . Koelsch, S. (2009). Universal Recognition of Three Basic Emotions in Music. *Current Biology*, 19(7), 573–576. <https://doi.org/10.1016/j.cub.2009.02.058>
- Hadley, S., & Norris, M. S. (2015). in Music Therapy : The First Step. *Music Therapy Perspectives*, 34(2), 129–137. <https://doi.org/10.1093/mtp/miv045>
- Krishnan, A., Williams, L. J., McIntosh, A. R., & Abdi, H. (2011). Partial Least Squares (PLS) methods for neuroimaging: A tutorial and review. *NeuroImage*, 56(2), 455–475. <https://doi.org/10.1016/j.neuroimage.2010.07.034>
- McPherson, L. (2020). What are speech surrogates. Retrieved from <https://sites.dartmouth.edu/speech-surrogates/what-are-speech-surrogates/>
- Osgood, C. E., & Suci, G. J. (1955). Factor analysis of meaning. *Journal of Experimental Psychology*, 50(5), 325–338. <https://doi.org/10.1037/h0043965>

- Patel, A. D. (2008). *Music, Language, and the Brain*. New York: Oxford University Press.
- Raman, R., & Dowling, W. J. (2016). Real-Time Probing of Modulations in South Indian Classical (Carnātic) Music by Indian and Western Musicians. *Music Perception*, 33(3), 367–393. <https://doi.org/10.1525/MP.2016.33.03.367>
- Raman, R., & Dowling, W. J. (2017). Perception of modulations in south indian classical (carnatic) music by student and teacher musicians: A cross-cultural study. *Music Perception*, 34(4), 424–437.
- Sepehry, A., Yang, L., Robin Hsiung, G.-Y., & Jacova, C. (2013). P3-296: Music therapy, global affect and behavior in Alzheimer’s disease: A meta-analytic perspective on outcomes and on music therapy methodologies. *Alzheimer’s & Dementia*, 9, P665–P665. <https://doi.org/10.1016/j.jalz.2013.05.1370>
- Solli, H. P., & Rolvsjord, R. (2015). “The Opposite of Treatment”: A qualitative study of how patients diagnosed with psychosis experience music therapy. *Nordic Journal of Music Therapy*, 24(1), 67–92. <https://doi.org/10.1080/08098131.2014.890639>
- Tucker, L. R. (1958). An inter-battery method of factor analysis. *Psychometrika*, 23(2), 111–136. <https://doi.org/10.1007/BF02289009>
- Wallmark, Z. (2019). A corpus analysis of timbre semantics in orchestration treatises. *Psychology of Music*, 47(4), 585–605. <https://doi.org/10.1177/0305735618768102>