

Ladislav Nalborczyk

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Education

Univ. Grenoble-Alpes, France & Ghent University, Belgium

PhD in Cognitive Psychology & PhD in Clinical and Experimental Psychology, 2015 – 2019 (expected)

Thesis title: Psychophysiological characteristics of verbal rumination: basic and clinical aspects

Supervisors: Pr. Elsa Spinelli (UGA) & Pr. Ernst Koster (UGent)

Co-supervisors: Dr. Hélène Lœvenbruck (UGA) & Dr. Marcela Perrone-Bertolotti (UGA)

Grenoble Institute of Technology, France

MSc in Cognitive Science, June 2015

Pierre-Mendes France University, France

BA in Psychology, June 2013

Publications

In the pipeline

Nalborczyk, L., Bürkner, P.-C., & Williams, D. (under review). Pragmatism should not be a substitute for statistical literacy, a commentary on Albers, Kiers, and van Ravenzwaaij (2018). [[OSF project](#)].

Beffara, B., Bret, A., & **Nalborczyk, L.** (under review). Automation in Sequential Testing: A commentary on Schönbrodt, Wagenmakers, Zehetleitner, and Perugini (2017). [[OSF project](#)].

Landy, J. F., Jia, M., Ding I. L., Viganola, D., Tierney, W., ... **Nalborczyk, L.** ... Uhlmann, E. L. (under review). Crowdsourcing hypothesis tests: Making transparent how design choices shape research results.

Nalborczyk, L., Perrone-Bertolotti, M., Baeyens, C., Grandchamp, R., Spinelli, E., Koster, E.H.W., & Lœvenbruck, H. (under review). Articulatory Suppression Effects on Induced Rumination. [[OSF project](#)].

Peer-reviewed journal articles

Nalborczyk, L., Batailler, C., Lœvenbruck, H., Vilain, A., & Bürkner, P.-C. (in press). An Introduction to Bayesian Multilevel Models Using brms: A Case Study of Gender Effects on Vowel Variability in Standard Indonesian. *Journal of Speech, Language, and Hearing Research*. [[OSF project](#)].

Trafimow, D., Amrhein, V., Areshenkoff, C. N., Barrera-Causil, C., Beh, E. J., Bilgic, Y., ... **Nalborczyk, L.** ... Marmolejo-Ramos, F. (2018). Manipulating the Alpha Level Cannot Cure Significance Testing. *Frontiers in Psychology*, 9:699. <https://doi.org/10.3389/fpsyg.2018.00699>

Nalborczyk, L., Perrone-Bertolotti, M., Baeyens, C., Grandchamp, R., Polosan, M., Spinelli, E., ... Løevenbruck, H. (2017). Orofacial Electromyographic Correlates of Induced Verbal Rumination. *Biological Psychology*, 127, 53-63. <http://dx.doi.org/10.1016/j.biopsycho.2017.04.013>. [OSF project].

Book chapters

Løevenbruck, H., Grandchamp, R., Rapin, L., **Nalborczyk, L.**, Dohen, M., Perrier, P., Baciú, M., & Perrone-Bertolotti, M. (2018). A cognitive neuroscience view of inner language: to predict and to hear, see, feel. In Langland-Hassan, P. & Vicente, A. (eds.), *Inner Speech: new voices*. Oxford University Press.

Løevenbruck, H., **Nalborczyk, L.**, Perrone-Bertolotti, M., Baeyens, C., & Grandchamp, R. (2018). Un cas d'incarnation linguistique: implication du système moteur orofacial dans les ruminations mentales. *Recherches sur la philosophie et le langage*, numéro spécial "Cognition incarnée".

Presentations

Invited Talks

Nalborczyk, L. (2018). How to avoid common misinterpretations of p-values and Bayes Factors. ENTPE seminars, Lyon, France. [Slides]

Conference Talks

Nalborczyk, L. (2018). Using information-theoretic approaches for model selection: moving from explanation toward prediction. Lightning Talk given at the meeting of the Society for the Improvement of Psychological Science, Grand Rapids, MI. [Slides]

Molto, L., **Nalborczyk, L.**, Palluel-Germain, R. & Morgado, N. (2018). Action-Specific Effects on Distance Perception: A Multilevel Bayesian Meta-Analysis. 7th International Conference on Spatial Cognition, Rome, Italy.

Nalborczyk, L. (2018). Sequential Testing with Information Criteria and Evidence Ratios. Bayes@Lund, Sweden. [Slides]

Nalborczyk, L., Perrone-Bertolotti, M., Baeyens, C., Grandchamp, R., Spinelli, E., Koster, E.H.W., & Løevenbruck, H. (2017). Verbal rumination as simulated speech. Embodied and Situated Language Processing conference. Moscow, Russia. [Slides]

Nalborczyk, L., Perrone-Bertolotti, M., Baeyens, C., Keracheva, E., Grandchamp, R., Spinelli, E., Koster, E.H.W., & Løevenbruck, H. (2016). Rumination at the crossroads of embodied inner speech and emotion: facial electromyographic correlates. Consortium of European Research on Emotion (CERE). Leiden, Netherlands. [Slides]

Nalborczyk, L., Løevenbruck, H., Perrone-Bertolotti, M., Baeyens, C., & Grandchamp, R. (2016). Verbal rumination as an embodied orofacial action. International conference Language and Enaction. Clermont-Ferrand, France. [Slides]

Conference Posters

- Nalborczyk, L.**, Perrone-Bertolotti, Baeyens, C., Grandchamp, R., Spinelli, E., Koster, E.H.W., & Løevenbruck, H. (2018). Can articulatory suppression disrupt repetitive negative thinking ? The 16th European Workshop on Imagery and Cognition, Padua, Italy. [\[PDF\]](#)
- Molto, L., **Nalborczyk, L.**, Palluel-Germain, R., & Morgado, N. (2018). Action-Specific Effects on Distance Perception: A Multilevel Bayesian Meta-Analysis. The 16th European Workshop on Imagery and Cognition, Padua, Italy. [\[PDF\]](#)
- Løevenbruck, H., Grandchamp, R., Rapin, L., **Nalborczyk, L.**, Dohen, M., Perrier, P., Baciù, M., & Perrone-Bertolotti, M. (2018). A neurocognitive predictive model of willful inner speech production. The Probabilistic Brain Workshop, Durham, England. [\[PDF\]](#)
- Nalborczyk, L.**, Løevenbruck, H., Keracheva, E., Koster, E.H.W., Baeyens, C., Grandchamp, R., & Perrone-Bertolotti, M. (2017). Articulatory suppression effects on verbal rumination. Cognitive Science Arena. Brixen, Italy. [\[PDF\]](#)
- Nalborczyk, L.**, Baeyens, C., Grandchamp, R., Løevenbruck, H., Perrone-Bertolotti, M., & Polosan, M. (2015). Orofacial electromyographic correlates of induced verbal rumination. Embodied and Situated Language Processing conference. Lyon, France. [\[PDF\]](#)

Software

- Batailler, C., & Nalborczyk, L. (2017). *maskr*. R package version 0.0.1, available on [Github](#).
- Nalborczyk, L. (2017). *ESTER: Efficient Sequential Testing with Evidence Ratios*. R package version 0.2.0. Available on [CRAN](#).

Teaching Experience

Workshops

Introduction to Bayesian Statistical Modelling, with Ivan Grahek, Antonio Schettino & Paul-Christian Bürkner, UGent, 2018

Lectures, courses

Data Analysis, UGA, 2016 (36h)

Introduction to Cognitive Psychology, UGA, 2016 (50h)

Cognitive Psychology, Perception, Action and Categorisation, UGA, 2016 (42h)

Introduction to Bayesian Statistical Modelling, UGA, 2017, 2018 (36h)

Co-supervision of master students (N = 4)

Sonja Banjac, Master 2 Cognitive Science, UGA, 2017–2018

Myriam El-Helou, Master 1 Applied Mathematics and Informatics, UGA, 2016–2017

Elena Keracheva, Master 1 Clinical Psychology, UGA, 2015–2016

Lucile Pinek, Master 1 Cognitive Psychology, UGA, 2015–2016

Fellowships, Grants, and Awards

FWO travel grant to attend the SIPS 2018 conference (2018)

Grant from the Flemish government to organise a doctoral course on Bayesian statistical modelling (2018)

Univ. Grenoble Alpes: 3-year scholarship for a joint PhD (2015–2018)

Academic Services

Co-organiser of the doctoral school course *Introduction to Bayesian statistical modelling*, June 13th – 15th, 2018, UGent (Belgium)

Elected representative of the PhD students at the academic council and the research committee of the UGA (2015–2017)

Professional Memberships

Psychonomic Society (2017–Present)

Center for Open Science, Ambassador (2017–Present)

Member of the *Psychological Science Accelerator* (2018–Present)

Society for the Improvement of Psychological Science (2017–Present)

Other Contributions

Active member of local associations for scientific communication

Member of the organising team of the 6th edition of *Pint Of Science France*, Grenoble, 2016

Member of the organising team of the 9th edition of the *ArtScienceTechnologie* event, Grenoble, 2015

Popularisation talks

Et si penser était une action ? *15th cognitive sciences forum, science slam*, Paris, 2016.

Technical Skills

Computer skills: *E-prime*, OpenSesame, *LabChart*, *SPSS*, *JASP*, Git, Github, *Matlab*, R, RMarkdown, LaTeX, Zotero (NB: emphasised non-free softwares will tend to disappear from my toolkit)

Experimental tools: Electromyography, Electrocardiography

Languages

French: Native

English: Professionnal efficiency

Dutch: Novice (CEFR: A2)

References

Available upon request