

Ladislav Nalborczyk

PHD STUDENT

Department of Experimental Clinical and Health Psychology
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Education

Univ. Grenoble-Alpes (France) & Ghent University (Belgium)

Joint PhD in Psychology and Cognitive Psychology 2015 – 2019 (expected)

Thesis title: Psychophysiological characteristics of verbal rumination

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

Co-supervisors: Dr. H el ene L evenbruck (UGA) & Dr. Marcela Perrone-Bertolotti (UGA)

Grenoble Institute of Technology (France)


MSc in Cognitive Science, June 2015

Supervisors: Dr. H el ene L evenbruck (UGA) & Dr. Marcela Perrone-Bertolotti (UGA)


Pierre-Mendes France University (France)


BA in Psychology, June 2013

Publications

When applicable, preregistration, preprint, data, code, and supplementary materials are available online by clicking on the  icon.

IN THE PIPELINE


Molto, L., **Nalborczyk, L.**, Palluel-Germain, R. & Morgado, N. (*under review*). Action Effects on Visual Perception of Distances: A Multilevel Bayesian Meta-Analysis. 


Beffara, B., Bret, A., & **Nalborczyk, L.** (*under review*). Automation in Sequential Testing: A commentary on Sch onbrodt, Wagenmakers, Zehetleitner, and Perugini (2017). 

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., & L evenbruck, H. (*under review*). Articulatory Suppression Effects on Induced Rumination. 

PEER-REVIEWED JOURNAL ARTICLES

Nalborczyk, L., B urkner, P.-C., & Williams, D. (*accepted*). Pragmatism should not be a substitute for statistical literacy, a commentary on Albers, Kiers, and van Ravenzwaaij (2018). *Collabra: Psychology*. 

Nalborczyk, L., Batailler, C., L evenbruck, H., Vilain, A., & B urkner, 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*. 

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., ... L evenbruck, H. (2017). Orofacial Electromyographic Correlates of Induced Verbal Rumination. *Biological Psychology*, 127, 53-63. <https://dx.doi.org/10.1016/j.biopsycho.2017.04.013>. 

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".

CONFERENCE PROCEEDINGS


Molto, L., **Nalborczyk, L.**, Palluel-Germain, R., & Morgado, N. (2018). Action-specific effects on distance perception: A multilevel Bayesian meta-analysis. *Cognitive processing*, 19(S1), 1-76.
<https://doi.org/10.1007/s10339-018-0884-3>.

Presentations

INVITED TALKS


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


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. 

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. 

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. 


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. 


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. 


CONFERENCE POSTERS


Beffara, B., Bret, A., & **Nalborczyk, L.** (2019). A Practical Tutorial for Safe Sequential Analyses. International Convention of Psychological Science, Paris, France.


Molto, L., **Nalborczyk, L.**, Palluel-Germain, R., & Morgado, N. (2019). A Bayesian Multilevel Meta-Analysis of Action Constraints Effects on Distance Perception. International Convention of Psychological Science, Paris, France.

Nalborczyk, L., Perrone-Bertolotti, M., 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. 

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. 

Løevenbruck, H., Grandchamp, R., Rapin, L., **Nalborczyk, L.**, Dohen, M., Perrier, P., Baciú, M., & Perrone-Bertolotti, M. (2018). A neurocognitive predictive model of willful inner speech production. The Probabilistic Brain Workshop, Durham, England. 

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. 

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. 

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 Github.

Teaching Experience

WORKSHOPS

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

LECTURES, COURSES (184H)

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, 2019 (56h)

CO-SUPERVISION OF MASTER STUDENTS (N = 3)

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

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 to pursue 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)

Ad hoc reviewing

Cognition and Emotion (N = 1)

Professional Memberships

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

EXPERIMENTAL TOOLS

Electromyography, electrocardiography, eye-tracking (basics)

COMPUTER TOOLS

Programming: R, *Matlab*, Octave, Python (basics)

Experiment design: *E-prime*, OpenSesame, PsychoPy (basics)

Physiological data processing: *LabChart*, KubiosHRV

Data analysis: R, JASP, Jamovi, SPSS, Statistica

Version control: Git, Github

Reproducible writing: RMarkdown, LaTeX, *Mendeley*, Zotero

Open Science: Open Science Framework, PsyArXiv

NB: emphasised non-free software programs will tend to disappear from my toolkit

Languages

French: Native

English: Full professional proficiency

Dutch: Beginner (CEFR: A2)

Arabic: Novice (CEFR: A1)

References

Available upon request