TIAGO CABAÇO

🖥 PROFESSIONAL EXPERIENCE

Today | 2016

Doctoral Research Fellow
Humboldt-University 📍 Berlin

- Worked with large data (millions of observations), using R tidyverse tools to program and test automated quality checking and data manipulation routines.
- Use probabilistic programming language Stan to flexibly build complex Bayesian computational models.
- Applied hierarchical Bayesian regression and mixture modeling techniques to account for different aspects of how the data was structured and generated.
- Use of high performance computing clusters and threading in order to provide scalable modeling solutions, reverting in added time to iterate over model building.
- Developed visualizations using ggplot in R to efficiently communicate insights and assess statistical model performance.

2016 | 2015

Research Trainee
Psychological methods group 📍 University of Amsterdam, NL

- Created, maintained and fact-checked an archival data base with historical events from the Psychometric Society, resulting in a publication.
- Used R to develop and deploy animated network visualizations of sequences of historical events.

2015 | 2014

Telemarketer
Yourvoice Contact Solutions lda 📍 Lisbon, Portugal

- Acquired a goal-orientation attitude and skills needed to work in a fast-paced and high pressure role, as demonstrated by being in the 'Top 5' employees for successive months.

2014 | 2013

Psychologist, intern
Center for Family and Parental Support 📍 Barreiro, Portugal

- Developed inter-disciplinary team work and project management skills by conducting youth group interventions, organizing community events and family counseling activities.

2013 | 2012

Librarian
Library of Psychology, University of Lisbon 📍 Lisbon, Portugal

- Developed my communication and organizational skills, by being responsible for costumer care and for organizing the reading space and storage repositories.

2012 | 2011

Research Assistant
Cognitive psychology lab 📍 University of Lisbon, Portugal

- Assisted ongoing research projects by doing data collection and literature review, resulting in an authored publication and development of project management skills.

2011 | 2010

Research Fellow
Grant by Amadeu Dias Foundation 📍 Lisbon, Portugal

- Responsible for data collection, lab management and reporting. The project received the foundation's award for best social sciences project.

CONTACT INFO

✉ tiago.joao.cabaco@gmail.com

📞 +49 176 439 822 51

SKILLS

(Legend: Self-taught / Mentored)

Statistical analysis

Bayesian inference

Probabilistic programming

Effective communication of complex analytical concepts, including public speaking

Data cleaning and pre-processing

Data visualization

Programming Languages

Highly skilled in R, Stan and Latex

Skilled in Bash (Linux command line)

Familiar with Python and C++

Tools

Git (version control and collaboration)

R Markdown reports (dynamic documentation with R)

LANGUAGES

English (Fluent)
Portuguese (Native)
German (A2)

🎓 EDUCATION

Today
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2016
PhD in Computational Psychology
Humboldt-University   📍 Berlin
· Grant by the International Max Planck Research School on the Life Course.

2014
Erasmus Intensive Program in Mathematical Psychology
University of Tartu   📍 Sagadi, Estonia

2015
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2012
Masters in Clinical Psychology
University of Lisbon   📍 Lisbon, Portugal
For my thesis I developed and deployed an online survey, and self-learned R to implement a non-standard statistical model. All of which resulted in receiving the highest grade with distinction.

2011
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2009
BA in Psychological Sciences
University of Lisbon   📍 Lisbon, Portugal

📄 PUBLICATIONS

· Wijsen, L. D., Borsboom, D., **Cabaço, T.**, & Heiser, W. J. (2019). *An Academic Genealogy of Psychometric Society Presidents*. *Psychometrika*, *84*(2), 562-588.

· Almeida, J., Mahon, B. Z., Zapater-Raberov, V., Dziuba, A., **Cabaço, T.**, Marques, J. F., & Caramazza, A. (2014). Grasping with the eyes: *The role of elongation in visual recognition of manipulable objects. Cognitive, Affective, & Behavioral Neuroscience*, *14*(1), 319-335.

👆 CIVIC PARTICIPATION

2018
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2017
Student representation
Graduate students representative   📍 Berlin
· Agilized the communication between administration and students.

2014
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2013
Elder Care
Elderly Care Home   📍 Lisbon, Portugal
Supported physiotherapy sessions with the elderly.

2013
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2009
Student representation
Pedagogical Counsel   📍 Faculty of Psychology, University of Lisbon
· As student body representative, I made the bridge between the students and faculty.
· I was responsible for scheduling the exams for all courses and represented the faculty in an external evaluation process.

2010
Disaster Relief
Faculty of Psychology   📍 University of Lisbon, Portugal
· Organized a Goods Collection Campaign to support Madeira's population, when it was affected by disaster floods in February 2010.

2009
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2006
Drug Addiction and Homelessness
Teen Challenge   📍 Lisbon, Portugal
· Volunteered at the food and syringes delivery team. Organized and conducted community activities for children and elderly people in a disadvantaged neighborhood.