TIAGO CABAÇO

💻 PROFESSIONAL EXPERIENCE

Today | 2020

R Developer
Civey   📍 Berlin, DE

- Responsible for maintaining and developing R packages, used daily in production to process data from millions of users and to calculate around 10.000 daily survey results, which serve as the basis for our products.
- Lead the development of a new feature for geographical survey analysis, resulting in an new product.
- Contributed to the development of bash command line tool used to configure the R environment in production, resulting in efficient and safe workflow for new releases to production.

2020 | 2016

Doctoral Research Fellow
Humboldt-University   📍 Berlin, DE

- Worked with large data (millions of observations), using R to program and test automated quality checking and data manipulation routines.
- Built complex Bayesian computational models using the Stan probabilistic programming language.
- 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.

2016 | 2015

Research Trainee
Psychological methods group   📍 University of Amsterdam, NL

- Created, maintained an archival data base with historical events from the Psychometric Society, resulting in a publication.
- Developed R based 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 community interventional events.

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 storage repositories.

CONTACT INFO

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🐙 github.com/tijoalca

📞 +49 176 439 822 51

SKILLS

(Legend: <u>Self-taught</u> / <u>Mentored</u>)

R package development

Statistical analysis

<u>Probabilistic programming</u>

Effective communication of complex analytical concepts, including public speaking

<u>Data cleaning</u> and <u>pre-processing</u>

<u>Data visualization</u>

Programming Languages

Highly skilled in <u>R</u>, <u>Stan</u> and <u>Latex</u>

Skilled in <u>Bash</u> and PostgreSQL

Familiar with <u>Python</u>

Tools

<u>Git</u> (version control and collaboration)

<u>R Markdown reports</u> (dynamic documentation with R)

LANGUAGES

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

2011
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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.

🎓 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 connection between students and faculty.

• I was responsible for scheduling the exams for all courses and represented the faculty in an external evaluation process.