

David Aguilar Lleyda

Data scientist

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WORK EXPERIENCE

Research Scientist

RIKEN Center for Brain Science

Jul 2020 - Mar 2024 Wako, Japan

- ◆ Developed a project to understand how confidence is formed in situations of observational learning
- ◆ Designed online experiments with JavaScript
- ◆ Analyzed and visualized experimental data in R
- ◆ Modeled data using Linear Mixed Models and Reinforcement Learning in R
- ◆ Presented results at conferences
- ◆ Supervised doctoral students

Postdoctoral Researcher

Centre d'Économie de la Sorbonne (French National Center for Scientific Research)

Jan 2018 - Jun 2020 Paris, France

- ◆ Developed projects to understand the role of confidence in individual decision-making
- ◆ Designed experiments in Matlab
- ◆ Analyzed and visualized experimental data in R
- ◆ Modeled data using Linear Mixed Models in R
- ◆ Co-authored a series of peer-reviewed articles
- ◆ Presented results at conferences
- ◆ Supervised master's students

Doctoral Candidate

University of Barcelona

Sep 2011 - Dec 2017 Barcelona, Spain

- ◆ Investigated sensorimotor decision-making with moving objects
- ◆ Designed experiments in Python
- ◆ Analyzed and visualized experimental data in R
- ◆ Defended doctoral thesis to obtain PhD degree
- ◆ Taught 194 hours of undergraduate-level courses

SKILLS

General skills: Machine learning, data analysis, statistics, data visualization, cognitive science

Programming languages: Python, R, SQL, Markdown, MATLAB, JavaScript

Programs and tools: Tableau, Git, MS Office, Affinity

Python libraries: Numpy, Pandas, Scikit-learn, Matplotlib, Seaborn, Plotly

R packages: dplyr, ggplot2, tidyr, lme4, lmerTest

EDUCATION

Master's degree, Cognitive Science and Language

University of Barcelona

Sep 2011

Bachelor's degree, Psychology

University of Barcelona

Jun 2010

LANGUAGES

Native: Catalan, Spanish

Proficient: English

Basic: German, French

HONORS & AWARDS

Grant-in Aid for Early-Career Scientists

Japanese Ministry of Education, Culture, Sports, Science and Technology
2021

Predoctoral fellowship

Spanish Ministry of Education
2013

Predoctoral fellowship

Government of Catalonia
2013

INTERESTS

Politics ◆ Science ◆ History ◆ Music ◆ Digital art