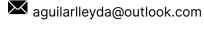
David Aguilar Lleyda





in linkedin.com/in/aguilarlleyda

Data scientist

github.com/aguilarlleyda

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, lmtest

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