

Alberto Guzman-Alvarez, Ph.D.

Research Data Scientist

Status: Team Lead for Transparent Social Analytics, GESIS
Field: Software Engineering, Data Science
Techs: R, bash, Python, javascript, Lua

Cologne, Germany
mr.schochastics.net
david@schochastics.net

Education

Ph.D. in Computer Science - Konstanz, Germany

Nov. 2012 - Sep. 2015

- * Thesis: A Positional Approach for Network Centrality
- * Developed and implemented new methods to assess network centrality

Diploma in Business Mathematics - Karlsruhe, Germany

Sep. 2006 - Jul. 2012

- * Thesis: Modularity Maximization
- * Implementation and comparison of different clustering algorithms using Matlab

Experience

Team Lead - GESIS - Leibniz Institute for the Social Sciences

Mar. 2022 - Present

- * Coordination of a project to build an Open Science platform with reusable code and tutorials
- * Research on Open Science Practices
- * Implementation of tools to enhance reproducibility and facilitate research with digital data in R

Presidential Fellow - University of Manchester

Sep. 2018 - Feb. 2022

- * Research on Disinformation on Social Media
- * Analyses of large scale and unstructured data sets with R, Python and Bash

Post Doctoral Researcher - ETH Zurich

Nov. 2017 - Aug. 2018

- * Developing new methods to analyze social networks
- * Implementing methods in libraries
- * Gathering and analyzing large datasets from Social Media APIs

Post Doctoral Researcher - University of Konstanz

Oct. 2015 - Oct. 2017

- * Developing new methods to analyze social networks
- * Implementing methods in libraries
- * Webscraping and harmonizing a large corpus of football data

Ph.D. Candidate - University of Konstanz

Nov. 2012 - Sep. 2015

- * Developing new methods to analyze social networks
- * Implementing methods in libraries