

Carlos Utrilla Guerrero
 Institute of Data Science Paul-
 Henri Spaaklaan 1
 The Netherlands
 E.MAIL
c.utrilla.guerrero@gmail.com
 WWW:
<https://carlosug.github.io/>
 ORCID:
<https://orcid.org/0000-0002-9994-1462>

EDUCATION

University of Manchester, United Kingdom 2014
 MSc in Social Research Methods & Statistics (CMIST)
 Dissertation: [Environmental Friendly Behavior and Sustainable food](#)
 Supervisor: [Mark Tranmer](#)
 Other assignments: <https://carlosug.github.io/posts/Social-research-methods-statistics>
University of Southern Odense, Denmark 2012
 MSc in Business Strategy & International Management (Erasmus)
University of Zaragoza, Spain (UNIZAR) 2011
 BA in Business & Administration

RESEARCH INTERESTS

Knowledge graphs, open science, network science, semantic web, linked data, ontology engineering

CAREER PROFILE

PhD candidate, Research software engineer

COMPUTER SKILLS

Advanced: R and Python statistics and Machine Learning, Reproducible research and LaTeX
Intermediate: W3C Semantic technologies and ontologies (RDFS, OWL), NLP, GIS, HTML, CSS, Bash, SPARQL, SQL
Basic: REST API, D3.js visualization, Neo4J, MongoDB, Docker, Kubernetes

LANGUAGES

Fluent in English, Basic level Dutch (A1), Intermediate level in French (B1-3) and Native proficiency in Spanish

WORK EXPERIENCE

Research Data Services, Delft University of Technology, the Netherlands since November 2022
 Research Data Scientist
 Support the department in teaching and research activities in the field of data science and FAIR for software and data

Institute of Data Science, Maastricht University, the Netherlands January 2020 – October 2022
 Research Data Scientist
 Supported the department in teaching, writing proposals/grants, and research activities in the field of data science, FAIR principles, semantic web and quantitative research methods
 Develop linked data tools for researchers to use, and develop new methods for responsible data science practice

Kleos Space S.A, Luxembourg August 2018 – December 2019
 Data Scientist
 Supported research group in need of data fusion and analysis using geospatial statistical and visualization methods
 European Space Agency (ESA) grant projects and proposals preparation, implementation and coordination

Kneip Communications, Luxembourg 2015 – 2018
 Data Manager & Integration Officer
 Participated in financial data analytics projects (involving data modelling and predictive analysis)

European Investment Bank, Luxembourg 2014
 Financial Data Controller (6 months)
 Budget preparation and control of EIB investment projects and related financial reports

Imaginarium Group S.A, Istanbul, Turkey 2013
 Financial Data Controller Intern (7 months)
 Built the financial and commercial Forecasting Model (leading the audit process and IT projects)

Young Aragoneses Entrepreneurs, Zaragoza, Spain 2011
 Marketing Internship (6 months)
 Contributed to annual budgeting and report for association activities (International Business Plan)

Ibercaja Saving Bank, Zaragoza, Spain 2010
 Finance Internship (6 months)
 Explored Logistic Regression to calculate Probability of Default within SME portfolio and commercial loans

VOLUNTEER EXPERIENCE

Türkiye İ.S.İ. Tme Engelliler Spor Federasyonu, Ankara, Turkey 2012
 European Volunteer Service (7 months)
 Collaborated in logistic and administrative activities and updated reports on local association activities

Partners ***	TITLE CV – PhD Candidate	JOB REFERENCE ***
PROJECT ***	AUTHOR(S) Carlos Utrilla Guerrero	ISSUED DATE October 2022
ORGANIZATION Ontology Engineering Group (OEG)		PAGE 1 of 2

TECHNICAL AND RESEARCH PROJECTS

Current.....	
DSRI: Data Science Research Infrastructure (https://dsri.maastrichtuniversity.nl/)	2022
Supervisor: Michel Dumontier	
Activities: provide technical support for users and website documentation for computing and data science (https://api.dsri.maastrichtuniversity.nl/docs)	
Developing distributed analytics techniques (https://odissee-data.nl/en/privacy-preserving-techniques/)	2022
Supervisor: Michel Dumontier	
Activities: Implement preserving techniques for socioemotional data using semantic web standards and specifications	
PLAYFAIR: applying FAIR principles on digital humanities (https://github.com/MaastrichtU-IDS/play-fair)	2022
Co-authors: Michel Dumontier, Cameron Browne, Walter Crist	
Activities: Apply semantic web technology on historical games (e-data & research press article)	
KGFOOD: Distributed Knowledge Graphs CA19134 (https://github.com/MaastrichtU-IDS/kg-food)	2022
Co-authors: Remzi Celebi, Manuel Paneque	
Activities: Build a knowledge graphs on multilingual Food Composition Open Data (EU COST ACTION)	
Data Sharing Coalition (https://datasharingcoalition.eu)	2022
Activities: Participate in data sharing usecases (solid pods) with industry/research partners (press article)	

Past	
ESGREEN: Biodiversity Knowledge Graph (https://github.com/carlosug/esgreen-kq)	2021
Co-authors: Michel Dumontier and Oscar Corcho	
Activities: Build a Knowledge Graph on biodiversity data using RDF and querying/analyzing with SPARQL	
CDDI: Community Data Driven Insight (https://carlosug.github.io/posts/community-data-driven-insight)	2020
Service and Expertise Working Group	
Activities: Build data standards for different research projects within the university	
VHF maritime signals probability of transmission (https://carlosug.github.io/posts/GeolocationData)	2019
Kleos Space SA European Space Agency (ESA) Luxembourg Space Agency (LSA)	
Activities: Statistical analysis of different countries with geolocating dataset using MongoDB Query API	

TEACHNIG EXPERIENCE AND WORKSHOPS

Courses

Bachelor Global Studies BAGS (Quant. Research Methods Course - material)	Semester IV 2022
Applied Research II VSK1004 (material)	Semester VI 2022
Bachelor Global Studies BAGS (Quant. Research Methods Course - material)	Semester I 2021
Applied Research II VSK1004 (material)	Semester VI 2021

Workshops, short courses and invited talks

DARIAH-EU, Athens, Greece (Conference Paper)	June 2022
Metadata 4 DKE 2022, Lyon France (COST EU)	May 2022
PLAYFAIR, FAIR Coffee Lectures (material)	May 2022
Coding for researchers Python (University Library material)	March 2021
FAIR Essentials workshop (material)	February 2021
Online M-BIC Open Science Symposium (Guest lecture)	November 2020
R Carpentry Workshop (Guest lecture eScience center)	November 2020

Thesis supervision

New Science of Mental Disorders (material)	February 2022
Mercedes Benz KG and FAIR data (proposal)	March 2021

LIST OF JOURNAL/WEB PUBLICATIONS:

Co-founder of FAIR Coffee Lectures with Open Science Community Maastricht	since 2021
1 st In person DSRI Community Event	June 2022

LIST OF JOURNAL/WEB PUBLICATIONS:

- **Carlos Utrilla Guerrero**, Vincent Emonet, Cameron Browne, Walter Chris and Michel Dumontier, "PLAYFAIR: Challenges and Solutions towards building FAIR database". In submission. [ISW Special Issue Tools and Systems](#). 2022
- **Carlos Utrilla Guerrero**, Maria Vivas Romero, Marc Dolman and Michel Dumontier, "FAIR begins at home: Implementing FAIR via the Community Data Driven Insights". Accepted [FDO2022](#) Conference, October 2022
- Manuel Paneque, **Carlos Utrilla Guerrero**, M. Mar Roldan, Antonio Benitez-Hidalgo and Remzi Celebi, "KG for Food: towards a healthy dietary". In preparation [SWAT4LS](#) Conference, February 2023

SELECTED AWARDS

Research Fellowship grant in the national infrastructure '[CLARIAH Research Fellows 2021](#)' (budget 15,000 euros)

OTHER INTERESTS:

Sports (football, tennis and padel official instructor, and swimming), travel and Human History

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