






# C. Manuel Bosancianu, PhD

Data Analysis • Statistical Modelling • Causal Inference

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## EXPERIENCE

### OCEANSAPART | DATA ANALYST

Aug. 2023 – Current | Berlin, Germany | **Skills:** BigQuery, Python, Tableau, causal inference, Airflow, Git

- General data maintenance and pre-processing, preparing merchandising KPIs
- Creating forecasting model of collection and product performance
- Estimating effects of business process changes with causal inference designs

### WZB BERLIN SOCIAL SCIENCE CENTER | RESEARCH FELLOW

Sep. 2017 – Aug. 2023 | Berlin, Germany | **Skills:** R, project management, experiments, causal inference, Git

- Co-coordinator on 2 large data collection projects in Kampala, Uganda
- Conducted or supervised statistical analyses of secondary and original data
- Taught applied statistics classes/workshops at MA/PhD level, e.g. MLM, SEM

### KANTAR PUBLIC | STATISTICAL CONSULTANT

May – Jun. 2023 | Brussels, Belgium | **Skills:** R, machine learning, Quarto, Git

- Statistical consultant on cross-national vaccine acceptance survey
- Derived vaccine acceptance rates across EU using multilevel models.  
Identified key institutional covariates of acceptance using BART specifications

### SURVATION UK | STATISTICAL CONSULTANT

May – Jun. 2016 | London, United Kingdom | **Skills:** R, web scraping, statistical analyses, data cleaning

- Data management, and inferential statistical analyses of Brexit preferences

## PROJECTS

### DESIGNING KAMPALA'S CITIZEN CHARTER | FIELD EXPERIMENT

2019 – 2022 | Kampala, Uganda

- City-wide surveys ( $N = 2,300$ ) in 2019, 2020, and 2022, combined with a  $2 \times 3$  factorial design randomizing attendance to 188 consultative meetings
- Core involvement in all stages: grant writing, design (randomization), questionnaire drafting, fieldwork monitoring, merging and statistical analyses

### VULNERABILITY / TRUST IN COVID-19 TIMES | PANEL SURVEY

Jun. – Dec. 2020 | Kampala, Uganda

- 3-wave panel survey ( $N = 1,800$ ), including survey/conjoint experiments
- Involved in questionnaire development, fieldwork training and monitoring

### MULTILEVEL STRUCTURAL EQUATION MODELING | Book

2015 – 2018 | Sage Publications, QASS 179, 2019

- Co-author, lead on multilevel modeling section, and contributor to others


### TRUE OECD VOTER | DATA MERGING & HARMONIZATION


2014 – 2019 | PhD project

- Harmonization and merging of 286 publicly-available national election surveys

## PUBLICATIONS

2022 Populist Parties' Impact on Political Interest 

2021 COVID-19 Vaccine Acceptance & Hesitancy in LMICs 

2019 Multilevel Structural Equation Modeling 

West Eur. Politics

Nat. Med.

Sage QASS # 179

## SKILLS

### PROGRAMMING

Data analysis:

R: tidyverse, broom, lme4, brms, lavaan, DeclareDesign, data.table, rvest, bartMan, Amelia, clarify • Python: statsmodels, pandas, scikit-learn • SQL • Stan • Stata

Data visualization:

ggplot2, plotly (R) • plotnine, seaborn (Python) • Tableau • qGIS • Shiny • TikZ

Writing:

L<sup>A</sup>T<sub>E</sub>X • Markdown • Quarto

### STATISTICAL EXPERTISE

Multilevel models • Causal inference • Experimental design • Structural Equation Models • Bayesian analysis • GLMs • Machine Learning

### TOOLS/PLATFORMS/IDE

Git • Jira • Apache Airflow • VSCode

## LANGUAGES

Excellent:

English (near nat.) • Romanian (nat.)

Good:

German (B2 in progress)

## EDUCATION

### CENTRAL EUROPEAN UNIVERSITY

PHD IN COMPARATIVE POLITICS

Sep 2011 - Aug 2017 | Budapest, HUN

*Summa cum laude*

### HUMBOLDT-UNIVERSITÄT & ODTÜ

MA IN AREA STUDIES

Sep 2009 - Jun 2011 | Berlin, GER & Ankara, TUR

### CENTRAL EUROPEAN UNIVERSITY

MA IN POLITICAL SCIENCE

Sep 2008 - Jun 2009 | Budapest, HUN

### BABEȘ-BOLYAI UNIVERSITY

BA IN POLITICAL SCIENCE

Sep 2004 - Jun 2008 | Cluj-Napoca, ROM

*Summa cum laude*

Study abroad: University of Arkansas (2006-2007)