C. Manuel Bosancianu, PhD
Data Analysis ● Statistical Modeling ● Causal Inference

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I am a **driven** data professional with >10 years of experience in **statistical modeling**, data wrangling, and research **design**. Passionate about **crafting stories** based on complex data and **graphics**, and experienced in **communicating** these to diverse stakeholders. **Adaptable** in the face of data challenges. Possessing a keen **eye for detail**, curious about social dynamics, and a **constant learner**.

EXPERIENCE

OCEANSAPART | DATA ANALYST | Report to: Head of BI
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 | RESEARCHER | Report to: Unit Director
Sep. 2017 – Aug. 2023 | Berlin, Germany | Skills: R, project management, experiments, causal inference, Git
- ➜ Co-coordinator and key contributor on 2 large data collection projects in Uganda, based on representative panel surveys and field/survey experiments
- ➜ Performed data quality checks, cleaning, merging, visualizations, and descriptive/inferential data analyses in R on multiple quantitative projects

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 2×3 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 ⬈	West Eur. Politics
2021	COVID-19 Vaccine Acceptance & Hesitancy in LMICs ⬈	Nat. Med.
2019	Multilevel Structural Equation Modeling ⬈	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

STATISTICAL EXPERTISE

Multilevel models • Causal inference • Experimental design • SEMs • Bayesian analysis • GLMs • ML

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

BABEŞ-BOLYAI UNIVERSITY
BA IN POLITICAL SCIENCE
Sep 2004 - Jun 2008 | Cluj-Napoca, ROM
Summa cum laude
Study abroad: University of Arkansas (2006-2007)

AWARDS

2018: C. Maas Statistical Teaching Award
2015: Victor d'Hondt Best Paper Prize