

# David Valenta

Resumé

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## Personal Information

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## Work Experience

### 9/2023 – 12/2023 Teaching Assistant

University of Ottawa, Ottawa, ON, Canada

- Teaching assistant for the course Microeconomic Analysis of Public Sector.

### 9/2019 – 9/2023 Data Scientist and Product Manager

Salanga, Ottawa, ON, Canada (working remotely)

- Leading the design and testing of Kinaki, Salanga's software for development project monitoring, evaluation, and reporting.
- Developed a data visualization tool for nutrition project tracking for the African Development Bank.
- Designing and developing data visualization and management tools, as well as solving various problems in quantitative data collection design, data analysis, and statistics.
- Collaborated with our global partner organizations on the creation and implementation of their monitoring and evaluation strategies for international development projects.

### 10/2017 – 9/2019 Program Officer

Salanga, Prague, Czech Republic

- Designed and tested the functions of Kinaki.
- Worked together with NGOs on the development of their project monitoring, evaluation, and learning strategies; as well as on conducting various tasks around data collection and analysis.

### 10/2016 – 2/2017 Intern – Organizing a Pilot Survey

Development Economics Group, Wageningen University,

Freetown, Sierra Leone and Wageningen, the Netherlands

Project: *Preparedness against Ebola and other emerging infectious diseases in Sierra Leone and Guinea (funded by the Royal Netherlands Embassy in Accra)*

- Designing, executing, and reporting on a pilot survey for a public health randomized control trial in rural Sierra Leone.
- I trained and supervised a team of 12 local enumerators as well as a Research Assistant working on data-cleaning and related tasks.

### 8/2016 – 9/2016 Research Assistant – Stata Training

Development Economics Group, Wageningen University, the Netherlands

- Training and advising two external PhD students with data analysis, statistics, and using Stata.

### 2/2016 – 5/2016 Intern – 3ie Impact Evaluation and MSc Thesis Fieldwork

Kumasi Institute of Technology Energy and Environment, Accra, Ghana

Project: *Examining Transparency and Accountability within the Oil and Gas Sector: Impact evaluation of key provisions in Ghana's Petroleum Revenue Management Act (2011)*

- Worked with KITE in Ghana, on the design and successful execution of a baseline survey for a large-scale Randomized Control Trial with over 3500 respondents.

- 6/2015 – 7/2015    Research Assistant – Data Preparation**  
Wageningen Economic Research, Wageningen, the Netherlands
- Data processing and cleaning for a Fairtrade program impact evaluation.

## Education

- 9/2010 – ongoing    Master of Arts in Economics (in progress)**  
University of Ottawa
- Courses: Econometrics I, Microeconomics IV, and Economics of Natural Resources
- 9/2014 – 5/2017    Master of Science in International Development Studies**  
Wageningen University, the Netherlands  
 Specialization: **Economics of Development**
- MSc. Thesis: *The position of identifying questions and responses to potentially sensitive questions in a face-to-face interview: Survey experiment in Ghana* (supervisor: Maarten Voors)
  - Advanced courses in economics and development, including Advanced Econometrics, Economics Models, and Behavioral and Experimental Economics
- 9/2010 – 6/2014    Bachelor’s Degree in Economics**  
Charles University, Prague, Czech Republic
- Bachelor Thesis: *Determinants of technical efficiency and its change among Ghanaian cocoa farmers* (supervisor: Petr Janský)
  - Strong quantitative preparation, including four courses of Mathematics taught by mathematics department professors, a course in Statistics, and two in Econometrics.
- 9/2012 – 1/2013    Exchange Student, Applied Economics**  
University of Antwerp, Belgium

## Skills

<b>Languages</b>	<u>Czech</u> : Native <u>English</u> : Full professional proficiency (TOEFL iBT Score: 111) <u>French</u> : Basics <u>Dutch</u> : Basics
<b>R</b>	Skilled in R programming, data analysis, and data visualization.
<b>Stata</b>	Advanced data analysis in Stata.
<b>Data Analysis</b>	Cross-sectional data, time-series, and panel data analysis. Survey data quality checks. Non-parametric analysis of RCT results.
<b>Data Visualization</b>	Visualizing data using R, Power BI, and Google Looker among others.
<b>Evaluations and Research</b>	RCT and impact evaluation design; survey design and development; enumerator training and field supervision.
<b>Mobile Data Collection</b>	Questionnaire design and coding for ODK, Kobo Collect, and Survey CTO. Data collection management using these tools.
<b>GRE Test Score</b>	Quantitative: 167, Verbal: 159, Writing: 4.0

## Personal Projects

### Cost-efficient sample size calculator for clustered surveys

- I developed an application in R that finds a cost-efficient distribution of clusters and respondents for sample size/power calculations for clustered surveys.
- See at: [https://valenta.dev/sample\\_size\\_calculator/](https://valenta.dev/sample_size_calculator/)

### Educational and surveying device for remote data collection

- I developed a prototype of a device that can remotely and independently provide audio information and collect responses from those interacting with it.
- Details at: [https://valenta.dev/surveying\\_box/](https://valenta.dev/surveying_box/)

## References

- Maarten Voors** Associate Professor at Wageningen University. My teacher in the course Behavioral and Experimental Economics, master thesis supervisor, and internship supervisor.  
*Email:* [maarten.voors@wur.nl](mailto:maarten.voors@wur.nl)
- Pierre Brochu** Associate Professor of Economics at the University of Ottawa.  
My teacher in the course Econometrics I.  
*Email:* [pbrochu@uottawa.ca](mailto:pbrochu@uottawa.ca)
- Louis Hotte** Associate Professor of Economics and Ph.D. program supervisor at the University of Ottawa. My teacher in the course Economics of Natural Resources.  
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