Ayaka Behro

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Technical Skills

- R
- STATA
- Tableau
- Microsoft Office Suite
- Wordpress
- Adobe Illustrator
- HTML
- Python

Skills

- Statistical Modelling
- Forecasting
- Cost-Benefit Analysis
- Report Writing
- Research

Languages

- English (native)
- Japanese (advanced)
- French (elementary)
- Spanish (advanced)

Professional Experience

Teaching Assistant
09/2022 – Current
University of Waterloo

- Teachers Assistant for ECON323 – "Econometric Analysis 2" undergraduate course taught by Professor Emma Pierard at the University of Waterloo.
- Assist course instructor in managing the evaluation of course assignments and examinations as well as the development of feedback.
- Provide the Professor with feedback related to student performance.
- Effectively invigilated undergraduate examinations (midterms and final exams).

Research Associate
07/2021 – 07/2022
Finances of the Nation

- Manages and updates all 15 datasets and graphical user-interface on website, ensuring quality and ease-of-use.
- Spearheaded new dataset creation, analysis and visualization for three new datasets.
- Organized Finances of the Nation's 2021-2022 SSHRC Partnership Grant, coordinating 57 academic and industry partners over multiple deadlines.
- Developed a fiscal forecasting model to predict federal fiscal year-end revenues, expenses and the budgetary balance.

Economic Advisor
10/2020 – 06/2021
Economics and Methodologies Office (EMO) - Ontario Ministry of Transportation (MTO)

- Advise senior decisionmakers and agencies on the economic status of the transportation-related sectors in Ontario. Including labour market conditions, trade and goods movement recovery during the COVID-19 pandemic and mobility in the province.
- Quantifies input parameters for Economic Cost-Benefit Analysis (ECBA) applied in transportation-related infrastructure pre-evaluation.
- Manages the data and conducts advanced statistical analysis for the MTO COVID-19 Recovery Dashboard (internal-use) for senior decisionmakers to monitor COVID-19 recovery across Transportation-related sectors of the provincial economy.
- Establishes performance measurement methodologies and multi-year planning strategies for monitoring performance for government program areas.
- Continued responsibilities as a Research Assistant for EMO (below).

Research Assistant
06/2020 – 10/2020
Economics and Methodologies Office (EMO) – Ontario Ministry of Transportation (MTO)

- Execute a research project on the demand for EMO's data products within the Ministry.
- Produces a monthly bulletin note on the labour market conditions of the transportation-related subsectors of the provincial economy for a Ministry-wide audience.
- Update the statistical figures in the monthly COVID-19 Stakeholder Requests Report used by government stakeholders to monitor the recovery of transportation-related subsectors.
- Assist Senior Economists in finding and analyzing economic data, producing literature reviews and creating data visualizations.

Research Assistant (Prof. Louise Grogan)
05/2020 – 09/2020
Economics and Finance Department – University of Guelph

- Assisted Professor Louise Grogan in her research on human capital development in West Sumatra (Indonesia) following the region's unique experience under Dutch Colonial rule and subsequent cultural development.

- Developed a dataset for analysis by obtaining, cleaning and merging private and public data using STATA.
- Generated and analyzed regression models and summary statistics on key variables relating to Professor Grogram's research paper using STATA.
- Wrote literature reviews on human capital development, West Sumatra and Indonesian history, and development economics.

Compliance Analyst   09/2019 – 05/2020
- Conducted research on Japan and Italy concerning their commitments to World Trade Organization (WTO) reform made during the G7 2019 Biarritz Cycle.
- Analyzed country actions take or lack thereof to demonstrate compliance in changing the rules and/or structure of the WTO to more effectively eliminate unfair trade practices.
- Assigned a quantitative score and qualitative analysis to be published in the 2019 G7 Biarritz Summit Final Compliance Report.

Education

Master of Arts (MA) – Economics
University of Waterloo   09/2022 – 06/2023 (Expected)
- Scholarship(s): Economics Graduate Scholarship (09/2022).

Honours Bachelor of Arts (HBA) – Economics and Public Policy Double Major
University of Toronto (St. George)   09/2016 – 06/2021
- Scholarship(s): Presidents Entrance Scholarship (09/2016), University College Supplementary J.S. Mclean Scholarship (09/2016), Arthur Hosios Scholarship in Economics (12/2021)

Publications

Behro, A., Smart & Tombe. 2021. *Will Federal Finances Improve This Year?* Finances of the Nation. https://financesofthenation.ca/2021/12/13/federal-finances-monitor/

Behro, A. & Tombe. 2021. *Unpacking the Conservative Party's proposal to boost health transfers to the provinces*. Finances of the Nation. https://financesofthenation.ca/2021/08/24/unpacking-the-conservative-partys-proposal-to-boost-health-transfers-to-the-provinces/

Behro, A. 2020. "Trade: World Trade Organization Reform" in *2019 G7 Biarritz Summit Interim Report*. G7 Research Group. http://www.g7.utoronto.ca/evaluations/2019compliance-interim/14-2019-G7-interim-compliance-WTO.pdf

Behro, A. 2020. "Trade: World Trade Organization Report" in *2019 G7 Biarritz Summit Second Interim Compliance Report*. G7 Research Group. http://www.g7.utoronto.ca/evaluations/2019compliance-interim-2/14-2019-G7-2nd-interim-compliance-WTO.pdf