Boris Garbuzov

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PROFILE HIGHLIGHTS

- **Ph.D. Statistics, data science instructor**. Specialization in time-series analysis.
- **Programming for Data Science** R, Stata, Excel, MatLab, Python. AWS, Azure, Colab. Keras, TensorFlow. Earned SAS base certificate CWJMPT1K2E4E1XKK.
- **Statistics and Machine Learning:** Time series, ARIMA, GARCH, logistic regression, SVM, decision trees, ensembles, clustering, hypothesis testing, classification, generalized linear models, experimental design, sampling
- **Data Visualization:** Dashboards with Tableau, PowerBI, ggplot2, matplotlib, plotly.
- **General programming:** Java, XML, JUnit, PostgreSQL, Git.
- **Site:** https://borisgarbuzov.github.io

WORK EXPERIENCE

Data Science Instructor   Aug 2020 - Present
Schulich School of Business, York University

- Lectures in neural networks and machine learning, using Python, R, Azure, Colab, GitHub.
- Student consulting teams supervision: OPG - OCR using CV2, Tesseract, EasyOCR. Cineplex - association rules using arules. Government of Canada (ISED) - Twitter REST API using requests. Web scraping using beautiful soup, selenium. Suncor - dashboards using Tableau, PowerBI. Rithnik - time series geo data using Grafana, InfluxDB.

Teaching/Research Assistant (part-time, while a graduate student)   Sep 2009 - Jul 2020
U of Toronto, Western U, Simon Fraser U, Canada

- Tutorials in math, statistics, and economics courses. Research and computations in R, Python, Stata, SPSS, Eviews and MatLab, using AWS machines. Continuous Integration of testthat unit tests in a Docker container.

Assistant Statistical Methodologist (on co-op term)   May 2013 - Aug 2013
Business Survey Methodology Department, Statistics Canada, Ottawa, ON, Canada

- SEVANI package, variance estimation due to imputation, SAS and SQL unit testing and benchmarking code

Junior Java Programmer / Unit Tester   Mar 2002 - Aug 2004
Bluestream, BC, Canada

- Java unit tests, 200 test cases, Ant, JUnit, XML, low level database engine development, web-statistics, class design

EDUCATION

Ph.D., Statistics, defended on 28 May 2020   Sep 2014 - Present
University of Toronto, Toronto, ON, Canada

- Thesis "Second order inference for locally-stationary time series". Implementation in R and Python.

Master of Statistics and Actuarial Science   Sep 2013 - Aug 2014
Western University, London, ON, Canada

- Courses on survival analysis, risk management, GLM. Project on clinical trials for pharmacological products.

Master of Economics   Sep 2009 - Aug 2011
Simon Fraser University, Vancouver, BC, Canada

- Courses in micro and macro-economics, game theory, finance and econometrics. Programming in Stata.

Bachelor of Business Administration, Finance, minor in Mathematics   Sep 2004 - Aug 2009
Simon Fraser University, Vancouver, BC, Canada

- Recommendation system data mining project in text analysis.