

Boris Garbuzov

Toronto, ON, Canada

boris.garbuzov@gmail.com

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 Analysis, ARIMA, GARCH, logistic regression, clustering, hypothesis testing, classification, generalized linear models, experimental design, sampling
- **Data Visualization:** 3D-plots, heatmaps, histograms, and ridgeline plots in Tableau, ggplot2, matplotlib
- **General programming:** Java, XML, JUnit, Ant, SQL, MS SQL Server, Git, Amazon Web Services, MS Azure
- **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.

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 and modelling, generalized linear models, financial math and simulation. Completed project analyzing 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

- Courses, in marketing, finance, accounting, management, organizational studies, HR, economics, mathematics, statistics, critical thinking. Recommendation system data mining project in text analysis.