

Anatoly Arlashin

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Economist, Data Scientist, PhD Candidate

HIGHLIGHTS

- 10+ years of experience in statistical data analysis, modelling and visualization.
- Experience with linear models, multivariate analysis, stochastic modeling, sampling methods, and demand estimation.
- Extensive knowledge and experience with machine learning and data mining techniques such as logistic regressions, random forests, and gradient boosted trees.
- Excellent skills in R, SQL, Tableau; proficiency in Python, Stata.
- Proven track record of designing and delivering courses taken by 1500+ students.
- 6+ of experience in financial consulting including people management.

PROFESSIONAL EXPERIENCE

Boston College, Boston, MA

Sep 2011 — Present

Adjunct Professor, Woods College of Advanced Studies

Sep 2017 — Present

- Leveraged customer-level data for 170K households with 18M purchases to build a model to predict consumer preferences aimed at facilitating personalized product recommendations and informed forecasting for inventory management.
- Used random forest, adaptive post-LASSO, and logistic regression to quantify attention-adjusted preferences to uncover consumer-level decision-making criteria and predict purchases for both new and existing customers.
- Demonstrated that the two-stage estimator implemented in my model improved the out-of-sample prediction results by 47.5% compared to a standard pooled model.
- Designed and led Software Tools for Data Analysis class for 100+ graduate students to help future data scientists learn the fundamentals of business-relevant tools such as Tableau, R and SQL.
- Continuously adapted curriculum to reflect modern advances in data science methods and tools to ensure that students are trained to produce relevant economics insights and business metrics.

Instructor (Teaching Fellow), Department of Economics

Jan 2013 — Present

- Designed and led Statistics, Econometrics and Machine Learning classes for over 600 undergraduate students; received Donald J. White Teaching Excellence Award for the Econometrics class.
- Lectured students to apply statistical principles and models to turn unstructured information into meaningful business insights using R and Stata.
- Worked closely with teaching assistants to coordinate office hours, grading, communication with students and tracking student progress.

National Research University — Higher School of Economics, Moscow, Russia

Sep 2008 — Jun 2011

Instructor, Department of Economics

- Led Statistics, Linear algebra, Math for Economists, Econometrics classes for over 500 undergraduate and 100 graduate students.
- Mentored two undergraduate and three graduate students to assist with their theses.

Center for Economic and Financial Expertise (Consulting Company), Moscow, Russia

Jan 2002 — Aug 2008

Head of Business Consulting Division

May 2004 — Jul 2008

- Oversaw a team of six analysts building financial models; represented the team during client meetings.

Expert of Business Consulting Division

Jan 2002 — Apr 2004

- Performed financial analysis, cost optimization and business process restructuring on four large projects.

PROFESSIONAL ASSOCIATIONS & MEMBERSHIPS

Boston College

President of Graduate Arts and Sciences Association	Sep 2015 — May 2017
President and Treasurer of Graduate Economics Student Association	Sep 2012 — May 2016
Vice President for Finance and Logistics of Graduate International Student Association	Sep 2011 — May 2016

AWARDS

Donald J. White Teaching Excellence Award	2020
Woods College Summer Dissertation Fellowship	2016

EDUCATION

PhD in Economics at Boston College, Boston, MA	Aug 2021 (expected)
MA in Economics at Boston College, Boston, MA	May 2013
MA in Economics at New Economics School, Moscow, Russia	Dec 2007
BS in Economics (honors) at National Research University HSE, Moscow, Russia	Sep 2000 — Jul 2004