

Dmitry F. Abbakumov

PHD Candidate at KU Leuven, Research and Development Officer at Adaptive EdTech Laboratory of HSE

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Summary

Firstly, I am a data scientist at eLearning Office of Higher School of Economics. Secondly, I am a founder and a psychometrician at Adaptive EdTech Laboratory of Higher School of Economics (www.adaptivityguide.com). Finally, I am a PhD student of KU Leuven where I work on advanced psychometrics. My overall professional focus and interests are oriented to the research and development of adaptive algorithms, recommender and navigation systems for online learning environments.

Experience

Data Scientist (Psychometrician) at eLearning Office at National Research University - Higher School of Economics

August 2015 - Present (2 months)

PHD Candidate at KU Leuven

March 2015 - Present (7 months)

The research concentrates on the use of psychometrics for improving the online learning such as massive open online courses and small private online courses. The promotor is Prof. dr. Wim Van Den Noortgate.

Research and Development Officer at Adaptive EdTech Laboratory of Higher School of Economics, LLC

January 2014 - Present (1 year 9 months)

Adaptive EdTech Laboratory of HSE is a spin-off company of the National Research University Higher School of Economics, established in January 2014. The laboratory works on creating the adaptivity under the conditions of massive open online courses (MOOC), small private online courses (SPOC) and other fields of online learning. The scientific expertise of the laboratory lies in advanced psychometrics.

Lecturer at Institute of Education at National Research University - Higher School of Economics

October 2012 - Present (3 years)

The course "Theory and practice of computerized testing" for Master's program in Educational and Psychological Measurement.

Research Fellow at Institute of Education at National Research University - Higher School of Economics

October 2012 - July 2015 (2 years 10 months)

General research interests hover around adaptive online learning and computerized adaptive testing.

Project Manager at Center for Testing & Development "Human Technologies"

December 2009 - April 2013 (3 years 5 months)

«Human Technologies» (HT) was founded in 1992 on the basis of Psychology Department of Moscow State University. Now HT is one of the leading Russian companies developing and implementing computer based psychometric tests and complex decision-making support systems for effective HR-management.

Teaching Assistant at National Research University - Higher School of Economics

September 2011 - June 2012 (10 months)

Statistics and Data Analysis for Master's program in Educational and Psychological Measurement.

Training Manager at Rosneft

July 2007 - December 2009 (2 years 6 months)

The work was focused on the development and implementation of e-learning and e-testing in small corporate university.

Courses

Independent Coursework

Test Development	Moscow, 2006
Computerized Adaptive Testing and Item Response Theory	Brasilia, 2011
Building and Delivering Online CAT Using Open-Source Concerto Platform	Princeton, 2014
Introduction to R (1)	DataCamp, 2015
Introduction to R (2)	edX, Microsoft, 2015

Skills & Expertise

Teaching

Psychometrics

Statistics

Data Analysis

E-Learning

Research

Item Response Theory

Lecturing

Adaptive e-learning

Computerized adaptive testing
Computer based testing
SPSS
Data Mining
Qualitative Research
Quantitative Research
University Teaching
Research Design
Psychology
Science
Higher Education

Publications

Possible application of IRT for developing adaptive e-learning systems

Master's thesis May 22, 2012

Authors: Dmitry F. Abbakumov

Comparing the effectiveness of verbal and numerical tests for predicting results of employees' productivity

«#####» December 27, 2011

Authors: Dmitry F. Abbakumov

Education

KU Leuven

Doctor of Philosophy (Ph.D.), Psychometrics and Online Learning, 2015 - 2019

Higher School of Economics

Master, Psychometrics, Educational and Psychological Measurement, 2010 - 2012

Activities and Societies: in partnership with the University of Massachusetts Amherst

North Caucasus State Technical University

Specialist (Engineer), 2004 - 2009

Honors and Awards

Best paper at the conference "Lomonosov", 2009, 2010, 2011 Best Rosneft young specialist award, 2009

Languages

English

Russian

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[Contact Dmitry F. on LinkedIn](#)