

ILINA YOZOVA

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EDUCATION

- University College London** **London, United Kingdom**
PhD in Statistical Science with supervisor Dr Ioanna Manolopoulou 2021 - 2025
- Project title: Combining randomised control trials and observational studies using Bayesian Causal Forest to estimate heterogeneous treatment effects
 - LTCC Courses: Advanced Computational Methods in Statistics and Applied Bayesian Methods
- University College London** **London, United Kingdom**
BSc Statistics – First-Class Honours 2018 - 2021
- Relevant modules: Medical Statistics, Bayesian Methods in Health Economics, Linear Models and the Analysis of Variance, Probability and Inference, Practical Statistics (R and SAS), Programming (Python), Social Statistics
 - Undergraduate Project title: Tree-based methods in causal inference
- Nanyang Technological University** **Singapore, Singapore**
Introduction to Data Science (Python) – GPA 5.00/5.00 Summer Programme, 2019
- Nominated by UCL for a free tuition place after a competitive selection from students in all departments
 - Applying machine learning tools to extract inferential information from the data - fitting linear models, using classification (Tree models, Random forest), clustering (K-Means, DBSCAN) and anomaly detection
- American College Arcus** **Veliko Turnovo, Bulgaria**
Mathematics and Computer Science 2013 - 2018
- Academic achievements: *Diploma of Completed Secondary Education*: 5.98/6.00 with 6.00 in Mathematics - highest grade at the State Maturity Examination

IT SKILLS AND PROFESSIONAL DEVELOPMENT

- Proficient in Python and R, familiar with SAS, Stata, C, C++
- Microsoft Office (awarded an International Certificate – Microsoft Office Specialist)
- Experience in Git, GitHub, LaTeX and JIRA

CONFERENCES ATTENDED

- World Meeting of the International Society for Bayesian Analysis - June - July 2021
- MedTech UCL Artificial Intelligence in Medicine Series - January - February 2021
- Interpretable Machine Learning and Causal Inference RSS Workshop - December 2020
- Electronic Undergraduate Statistics Research Conference (eUSRC) - November 2020
- COVID-19: What Happened, What's Next? - October 2020

ACADEMIC AWARDS

- Dean's Commendation** 2021
Awarded by the Faculty of Mathematical and Physical Sciences, University College London
- Second Year Sessional Prize** for outstanding performance in my second year (GPA 92,4%) 2020
Awarded by the Department of Statistical Science, University College London
- Class of 2018 Valedictorian** - highest GPA among all graduating students in the College 2018
Awarded by the American College Arcus

- Third prize and bronze medal** in the 11th National Veliko Turnovo University Mathematics tournament 2018
Awarded by the University of Veliko Turnovo
- The Aneta Karaivanova Scholarship** - highest GPA among all students in the College 2016
Awarded by the American College Arcus
- Bronze medal** in the International tournament 'Mathematics without Borders' 2015
Awarded by the High School of Mathematics and Natural Science, Veliko Turnovo

EXPERIENCE

Department of Statistical Science **University College London**
Postgraduate Teaching Assistant October 2021 - present

- Being a demonstrator for the modules: Linear Models and the Analysis of Variance (UCL, STAT0006), Computing for Practical Statistics (UCL, STAT0023), Optimisation Algorithms in Operational Research (UCL, STAT0025)
- Being a tutor leading 2 tutorials group for the Introduction to Applied Probability module (UCL, STAT0007)

Mathnasium **London, United Kingdom**
Mathematics Tutor August 2019 - September 2021

- Assisting students individually and helping them improve their mathematical skills and knowledge
- Monitoring students' progress, helping them with their homework and preparing them for tests and school exams

Office for National Statistics **Working from home, United Kingdom**
Summer Intern June - September 2020

- Analysing and combining several large datasets using Python to perform correlation analysis to inform which variables are highly correlated so particular surveys samples could be improved
- Working on two projects with the ONS Data Science Campus Team to reduce the cost of data collection
- Improving my presentation and reporting skills by sharing my results in a meeting with more than 60 people
- Received two Individual Awards for my work at ONS from my Line Manager and the Senior Team Manager

LEADERSHIP AND VOLUNTEERING

University College London - Department of Statistical Science **London, United Kingdom**

- Being an academic representative for the Department of Statistical Science for three consecutive years
- Director at UCL Statistics Society for the academic years 2019/20 and 2020/21 - organising various academic, volunteering and social events, preparing materials and delivering workshops in R and Python

Piscopia Society **London, United Kingdom**

- Piscopia outreach manager and co-founder of the UCL committee - organising academic events and connecting with current PhD students and professors at the MAPS faculty
- Journal Club - attending series of discussions for current UK students and reviewing scientific papers

Debating competition 'Euroscola' **Strasbourg, France**

- Leading the college team in the final round of the international debating competition 'Euroscola' (2017) in the European Parliament and taking the opportunity to make friends with fellow students from across Europe
- Taking the floor in plenary and committee sessions to debate and vote on resolutions on current affairs

OTHER SKILLS

- **Languages:** Bulgarian (Native), English (Fluent), German (Beginner), Spanish (Beginner)
- **Honours:** Bulgarian National Swimming record holder and Candidate for Master of Sport
- **Contests:** National debating competition 'Euroscola' in Gabrovo (2016) – giving a speech about the European refugee crisis, which was selected and awarded a visit to the European Parliament in Strasbourg
- **Interests:** Swimming (part of the Bulgarian National Team for four years), Rowing, Travelling, Photography