

MARINA VABISTSEVITS

Doctoral student at the University of Bristol, working in the interdisciplinary research of applying data mining methods to answer epidemiological questions

EDUCATION

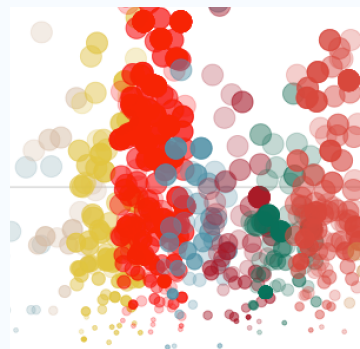
- 2023 | 2019** **PhD, Data mining in Epidemiology**
University of Bristol 📍 Bristol, UK
- 2017 | 2015** **MSc, Bioinformatics**
University of Copenhagen 📍 Copenhagen, Denmark
- 2015 | 2011** **BSc, Biochemistry**
University of Bath 📍 Bath, UK

RESEARCH EXPERIENCE

- 2023 | 2019** **Doctoral Student**
MRC Intergrative Epidemiology Unit 📍 University of Bristol
 - Mini-project 1: Implemented multivariate correlation analysis workflow in R (meta-CCA) using OpenGWAS data, to find pleiotropic variants across multiple traits
 - Mini-project 2: Carried out a Mendelian Randomisation study to investigate the mechanism mediating the effect of early life BMI on breast cancer risk
 - PhD project: Working with EpiGraphDB, a Neo4j graph database, to answer causal relationship questions in breast cancer and build a comprehensive model of the disease aetiology, by applying data mining and machine learning methods
- 2017 | 2016** **Visiting Researcher / Master's Thesis Student**
Danish Cancer Research Centre 📍 Copenhagen, Denmark
 - Explored TCGA breast cancer gene expression RNA-Seq data to identify the involvement of autophagy-related genes in certain disease subtypes.
 - Performed extensive EDA, followed by differential expression analysis and enrichment analysis, allowing me to find over-represented autophagy genes

INDUSTRY EXPERIENCE

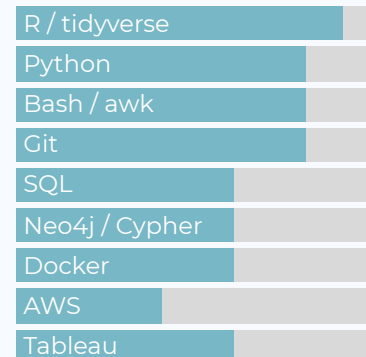
- 2019 | 2017** **Bioinformatician**
Living DNA 📍 Frome, UK
 - Led the research work on improving the ancestry reference panels used by the core pipeline behind the company's direct-to-consumer ancestry genetics test, bringing considerable improvement to results accuracy
 - Gained experience in working with a legacy codebase through maintaining and contributing to the in-house pipelines (Python)
 - Honed my R programming skills by switching to tidyverse approach and advanced my data visualisation skills
- 2017 | 2016** **Student research assistant in the Big Data group**
3Shape 📍 Copenhagen, Denmark
 - Performed data preparation and visualisation tasks in Python, gaining practical experience of programming in a professional environment
 - Used deep learning framework Caffe2 to develop a neural network training pipeline for scan image classification tasks
- 2014 | 2013** **Placement Student in Bioinformatics team**
Oxford Gene Technology 📍 Oxford, UK
 - Became responsible for a multitude of exome- and RNA-seq projects, running in-house data analysis pipelines and performing custom analysis for different projects



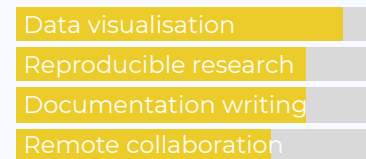
CONTACT

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TECH SKILLS



OTHER SKILLS



For fun I like to

-attend in BristolR and Py-Data meetups
-listen to Data Science podcasts
-participate in hackathons / data challenges

See full CV at marinalearning.netlify.com/cv

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Last updated on 2020-11-15.