

MARINA VABISTSEVITS

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

EDUCATION

- 2023
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2019
- **PhD, Data mining in Epidemiology**
University of Bristol 📍 Bristol, UK

2017
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2015

 - **MSc, Bioinformatics**
University of Copenhagen 📍 Copenhagen, Denmark

2015
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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 a generalisable R workflow of performing multivariate correlation analysis (metaCCA) on several GWAS, using summary statistics from MR-Base, in order to find pleiotropic variants across the measured 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
 - Main PhD project: Will be working with EpiGraphDB, a graph database, to answer causal relationship questions in epidemiology using data mining methods

2017
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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

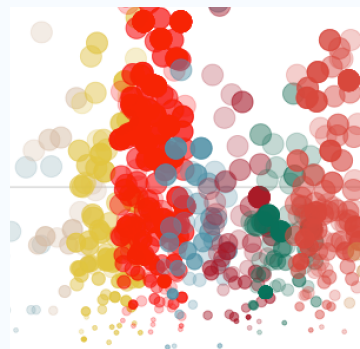
- 2019
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2017
- **Bioinformatician**
Living DNA 📍 Frome, UK
 - Led the research work on improving the ancestry reference panels used by the core pipeline behind the company's direct-to-consumer ancestry genetics test, bringing considerable improvement 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
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2013

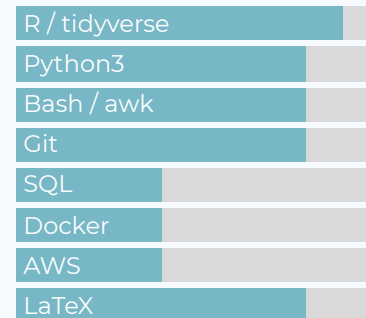
 - **Placement Student in Bioinformatics team**
Oxford Gene Technology 📍 Oxford, UK
 - Became responsible for a multitude of exome- and RNA-seq projects, running in-house data analysis pipelines and performing custom analysis for different projects



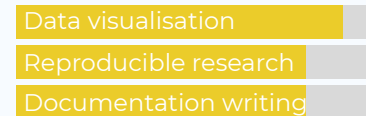
CONTACT

✉ marina.vabistsevits@bristol.ac.uk
@bristol.ac.uk
🐦 [marina_vab](https://twitter.com/marina_vab)
📄 github.com/mvab
🔗 marinalearning.netlify.com
🌐 linkedin.com/marina-vabistsevits-82590443

TECH SKILLS



OTHER SKILLS



For fun I like to

-attend in BristolIR 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 2020-09-07.