

Gellert G. Perenyi

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EDUCATION

Msc in Statistics, ETH Zurich: 2021 - PRESENT

First Semester Modules: Probabilistic Artificial Intelligence (Machine Learning projects with Python), Fundamentals of Mathematical Statistics, Bayesian Statistics, High-Dimensional Statistics

BSc MORSE (Mathematics, Operational Research, Statistics and Economics), **University of Warwick: 2018 - 2021**

High First Class Honours obtained (81.42%). Received Academic Excellence Award and MORSE Prize for being in the top 3 amongst the finalists.

- High First Class **81%**. **Third Year Modules:** Programming for Data Science, Statistical Inference and Big Data, Monte Carlo Methods (All previous three including smaller scale Machine Learning projects in R), Applied Stochastic Processes, Multivariate Statistics etc.
- High First Class **84%** at the end of second year. Received **Academic Excellence Award**.
- First Class **75.6%** at the end of the first year.

SzTE Sagvari Endre Practicing Primary and Secondary School in Szeged, Hungary, 2014 - 2018

- **Hungarian Final Exam results:**
 - **Advanced levels:** Mathematics (98%), English (81%), History (87%)
 - **Intermediate levels:** Spanish (88%), Physics (89%), Hungarian Literature and Grammar (84%)

WORK EXPERIENCE

Teaching Assistant for Environmental Systems Data Science: 2021 October-PRESENT:

- Giving a coherent overview of last week's topic (such as data scraping, linear regression, CNN-s etc.) for the classroom.
- Helping the students solving the tutorials in R, debugging code.
- Reviewing Markdown notebooks for theoretical and technical mistakes.

International Conference of Undergraduate Research (ICUR): Presenter, August 2020

- Constructed an SIR (Susceptible-Infected-Recovered) model of the COVID-19 cases in Hungary, based on the data recorded in the first 2 months of the pandemic, which enabled analysis to take place for forecasting within the next year.
- An opportunity to apply the theoretical knowledge gained in the first two years of the MORSE course to tangible concepts such as disease modelling, from fields within Stochastic Processes, Differential Equations, Linear Algebra and Mathematical Statistics.
- Enhanced coding abilities in R programming as a result, whilst learnt how to effectively simplify complex notions through presenting the research, improving both confidence and time management skills.

Warwick Cup non-profit organization: Account Manager, April 2020 - PRESENT

- Co-operated with the financial team at Warwick Cup to run a non-profit organisation that involved advocating for the usage of eco-friendly cups in order to initiate an ESG culture within Warwick University.
- This experience deepened my analytical skills when viewing opportunities and improved accuracy when presented with data. Additionally, acquired strong decision-making skills in a professional environment.

Warwick Arts Center: Bar Staff, October 2019 - March 2020

- Operated the tills and took cash. Ensured a smooth flow of the business with minimal delays in serving customers.
- Provided professional, friendly and courteous service to all customers, enhancing communication and customer service skills.

Warwick Pugwash Student Society: President, April 2019 - May 2020; Treasurer, May 2020 - July 2021

- Strengthened organisation and problem-solving skills (i.e. solving administrative issues such as timetabling and absence of attendees due to the start of COVID-19) by organising various talks and a national annual conference, meeting and collaborating with researchers and campaign activists, such as the head of the Nobel-prize winner ICAN (International Campaign to Abolish Nuclear Weapons), Dr. Rebecca Johnson.

VOLUNTEERING

Hungarian Society: Mentor, 2019 - 2021

- Consulted with mentee about adequate module selections and supported exam preparation by preparing sessions.
- Had the opportunity to explain advanced topics in the field of Statistics and Probability Theory in simpler terms, and enhanced confidence in the mentee's abilities, as proven from exceptional exam results.
- Discussed some topic orientated usage of R (General/Linear models), supported its practice.

Volunteer in an English camp for children, July 2017

- Kept discipline and looked after children's well-being and safety.
- Held the responsibility and learnt to patiently supervise children with learning difficulties and disabilities, which was a rewarding experience.
- Cooperated with other volunteers and professionals, improved teamwork skills.

SKILLS

- **Languages:** Hungarian (Native), English (Fluent), Spanish (Intermediate)
- **IT:** R programming (Highly proficient), Microsoft Office package (Highly proficient), L^AT_EX (Advanced), Python (Advanced), SQL (Intermediate) Power BI (Basic, in training) MATLAB (Basic), C++ (Basic)

HOBBIES/INTERESTS

Home brewing & Craft Beer Tennis & Wall climbing Playing the flute for 13 years Passionate about programming and undertook own individual research regarding Pima Indian diabetes