EVGENII ZORIN

+52 729 105 9100 ⋄ Puebla, Mexico

zorin.evgenii.m@gmail.com ⋄ https://www.linkedin.com/in/e-zorin/ ⋄ https://evgeniizorin.github.io/

OBJECTIVE

An early-career specialist in Data Analysis and Data Science, eager to apply my knowledge in Statistics, Machine Learning, and programming in Python.

EDUCATION

MSc Biotechnology, Skolkovo Institute of Science and Technology   Sep 2020 - Jun 2022

- Thesis project in Bioinformatics (supervisor Prof. Dmitry Ivankov): "Investigation of epistasis using composite mutations"
- Key skills developed: Statistical Programming in Python and R, Advanced Statistical Analysis and Testing, Advanced Data Visualisation, Cloud Computing with Big Data

BSc (Hons) Nutrition, Robert Gordon University   Sep 2015 - Jun 2019

- Thesis project in Food Microbiology (supervisor Dr. Eoin Cowie): "Can texture-modifying bacteria survive and grow in a sourdough bread starter?"
- Key skills developed: Fundamental Methods in Statistical Analysis, Research Design, Systematic Analysis and Extraction of Data

EXPERIENCE

Data Analyst   August 2022 - Present
CEOS Creativos (https://ceos.org.mx/)   *Toluca, Mexico*

- Created custom Data Visualisations as per the clients' demands
- Consulted the team on the Statistical aspects of the data
- Performed Data Collection and Organization

Research Placement   Sep 2018 - Dec 2018, Jun 2019 - Sep 2019
The Rowett Institute of Nutrition and Health   *Aberdeen, Scotland*

- Assisted with Data Processing and Statistical Analysis of the experimental data
- Analysed and extracted data from the scientific articles
- Tools: Excel (advanced), RStudio, GraphPad, SPSS

SKILLS

Programming Languages
Python, R, Bash (Linux), SQL
Data Visualisation
Creating static plots and interactive dashboards using various technologies. Tools: Excel, GraphPad, Python (Matplotlib, Seaborn, Plotly), R (ggplot2)
Statistics
Statistical tests (t-test, Mann-Whitney U test, etc.), regression, sampling, probability. Tools: R, GraphPad, SPSS, Python (Pandas, Numpy, Scipy)
Machine Learning
Supervised learning for regression and classification, unsupervised learning for clustering and dimensionality reduction, basic architecture of neural networks, basic NLP. Tools: Python (SciPy, Scikit-Learn, TensorFlow)

PROJECTS

MSc Thesis Project. Created a program called CuboidME to find hyperrectangles consisting of composite mutations in a genotype dataset.
https://github.com/EvgeniiZorin/CuboidME/

Online Dashboard. An ongoing online dashboard project that visualises information on profits of movies in the Marvel Cinematic Universe. Tools: Python (Dash, Plotly, Pandas). Hosted on pythonanywhere.com.
http://vzem.pythonanywhere.com/

Machine Learning Project in Regression. Predicting how long it will take to randomly type out the entire text of Hamlet by Shakespeare
https://github.com/EvgeniiZorin/How_long_will_it_take_for_a_monkey_to_typewrite_the_entire_Hamlet

Machine Learning Project in Classification. Prediction of death based on the Titanic dataset
https://www.kaggle.com/code/evgeniizorin/prediction-of-death-based-on-the-titanic-dataset

Finance Manager GUI application. An .exe GUI desktop application for visualizing expenses based on an expense log file. Tools: Python (Pandas, Tkinter). Available are source code and a video demo.
https://github.com/EvgeniiZorin/Finance_Manager

Telegram Multi-tool Bot. A bot for Telegram that has a number of useful features, such as getting weather for a specific city, pulling interesting facts for today from Wikipedia, and obtaining fresh news from the newspaper "The Guardian". Tools: Python, working with API, web scraping. You can check out the bot on Telegram at
https://t.me/e_zorin_bot (@e_zorin_bot)

PUBLICATIONS

Pre-print: E.M. Zorin, C.M. Erazo, and D.N. Ivankov, "Composite mutations give an extra insight into epistasis", bioRxiv, p. 19, 2022, doi: https://doi.org/10.1101/2022.06.16.496391

ADDITIONAL INFORMATION

- Enjoy continuous improvement and learning. Have completed many courses, such as FreeCodeCamp courses, including "Relational Database", "Data Analysis with Python"; bioinformatics courses, such as "Bioinformatics with Python" (Udemy), "Introduction to NGS" (Stepik).

- Languages: English (native level), Russian (native level), Spanish (upper intermediate), Italian (beginner).