FARID MAMMADALIYEV

Rupelstraat 65, Antwerp, Belgium • +32 (0) 465 815 293 • ferid.memmedeliyev@gmail.com

I am an ambitious professional with over five years of experience in data analytics, both academically and professionally. I have a strong foundation in applied statistics and mathematics, as well as expertise in machine and deep learning techniques and analytical and visualization tools.

EDUCATION

UNIVERSITEIT ANTWERPEN, Antwerp, Belgium 2017 – 2022
PhD in Applied Economics
Research area: Drivers of Innovation Performance in Multinational Firms

UNIVERSITEIT ANTWERPEN, Antwerp, Belgium 2015 – 2017
Master of Science in Business Economics with distinction
Major: Quantitative Finance
Thesis: The effect of Top Managers' Characteristics on a Firm's Strategic Decisions

BAKU STATE UNIVERSITY**,** Baku, Azerbaijan 2010 – 2014
Bachelor of Science in Economics with the highest distinction

---

EXPERIENCE

ING, Brussels, Belgium Aug. 2021 – Present
Data Analyst
- Developing and fine-tuning predictive models, such as stepwise logistic regression, to predict the purchasing behaviors of our customers
- Deriving insights and targeting customers based on the outputs of these models
- Collaborating with data scientists to define the business rules and communication strategies for our predictive models
- Creating a training program teaches data analysts coding skills in Python and PySpark and version control using Git, enabling them to work confidently on the cloud platform

UNIVERSITEIT ANTWERPEN, Antwerp, Belgium Oct. 2017 – Feb. 2022
Quantitative Researcher (the field of technological innovation)
- Queried data from relational databases stored in MySQL and Google Big Query to construct panel data sets with necessary variables.
- Worked with large-scale complex data sets, merging them with other data sources to calculate various performance metrics for multinational firms.
- Analyzed and identified patterns in large volumes of structured and unstructured data to understand how firms can enhance their innovation performance.
- Formulated hypotheses and utilized machine learning algorithms such as logistic regression, KNN, K-means, SVM and decision trees, as well as statistical techniques like ANOVA, F-test, and t-test to test them.
- Deployed deep learning libraries such as Keras and Tensorflow to build predictive models for innovation performance metrics.
- Created visualizations to address research questions and prepared written reports, presentations, and academic articles for both internal and external stakeholders.

UNIBANK, Baku Azerbaijan Apr. 2013 – Oct. 2013

Financial Risk Management Intern

- Mined unstructured data of different financial products and recommended similar products to customers.
- Analyzed large volume macroeconomic data and predicted the market value of creditors' collateral using multivariate panel regression models.
- Analyzed historical data of customer profiles to predict the likelihood of delay in new customers' payment plans.
- Built time series forecasting models, such as ARIMA, for currency exchange rates and re-estimated foreign liabilities.
- Worked closely with the strategic planning department to report the results, visualizations, interpretations, and suggestions to the management team.

ACHIEVEMENTS

- Scholarships and Grants: Presidential Scholarship (top 0.1%), Unibank Scholarship (top 1%), Erasmus Mundus Scholarship (only 2 students were chosen from Azerbaijan), Odysseus Research Grant by Flemish Government
- Certificates: Deep Learning Specialization, IBM Data Science Professional Certificate, Machine Learning on Google Cloud, Data Visualization with Tableau Specialization, Statistics with JMP Pro, R Workshop
- Languages: Azerbaijani (Native), English (Proficient), Turkish (Proficient), Dutch (Intermediate)
- Computer Skills: Python, PySpark, R, Git, DevOps, Cloud, SQL, Tableau, JMP Pro, SAS, SPSS, Stata, Google Cloud
- Interests: Quantum Physics, Chess, Travelling, CrossFit, Fitness, YouTube (I make videos on various data science topics), medium.com (I often write articles on various data science topics)