KHATUNA KURDOVANIDZE

ROCHESTER
KENT
UK

+447501892523

khatunamail@gmail.com

khatunakurdovanidze.github.io

linkedin.com/in/khatunakurdovanidze

public.tableau.com/app/profile/khatunakurdovanidze

>>DATA ANALYST|DATA SCIENTIST|MSc STATISTICAL DATA SCIENCE

PROFILE

Passionate about solving business problems using Data Science & Data Analytics. Systematically & creatively uses skills to add tangible value to the team, the business, and the end-user. UK MSc in Statistical Data Science and Google Data Analyst Professional Certificate. UK settled status. Available for immediate start, willing to work remotely, if needed. Full UK driving licence and own transport.

EDUCATION

MSc (Statistical Data Science), accredited by the Royal Statistical Society, University of Kent, UK
(2020-2021, Merit)
Dissertation: 'New Portmanteau tests for Time Series.'

BA (Psychology), Panteion University of Social and Political Sciences, Greece
(2010 - 2017, 1st class)
Thesis: 'The relationship between parental punishment and anxiety disorder symptoms among preschoolers'.
A Greek version of Spence (PAS-R) questionnaire was created.

SKILLS & TOOLS

- Understanding of a variety of statistical and/or machine learning methods (regression, statistical hypothesis testing, significance tests, analytic techniques and experimental design, PCA, FA)
- Natural Language Processing (NLP): sentiment analysis, topic modeling
- R, RStudio, RMarkdown, libraries: tidyverse, dplyr, lubridate, tseries, tree, MASS, ISLR2, etc.
- Python, Jupyter Notebook, libraries: pandas, sklearn, numpy, gensim, nltk, etc.
- SPSS, spreadsheets (MS Excel/Google Sheets), SQL relational databases (BigQuery)
- Data cleaning, verification, and documentation (changelog)
- Research, excellent numerical and analytical skills, and attention to detail
- Data visualizations, dashboards (Excel, Tableau, R ggplot2, Python matplotlib)
- Good understanding of data protection issues (GDPR)
- Excellent time management when working to deadline, experience with remote working
- Proven ability working independently as well as under supervision
- Excellent communication and teamwork skills, critical thinking, customer service abilities
- Adaptability, curiosity, openness to learning and upskilling, problem solving, and resilience

COURSES & CERTIFICATES

Natural Language Processing Specialization (Coursera, exp. May 2023)
Google Data Analyst Professional Certificate (Coursera, 2023)
British Airways Data Science Virtual Experience Programme (Forage, 2023)
NLP with Python for Machine Learning Essential Training (LinkedIn, exp. 05/2023)
Machine Translation (Great Learning, 2022)
SEO Training (Udemy, 2001)
Data Science Professional Certification (Data Science Infinity, 2021)
Practical Time Series Analysis (Coursera, 2021)
Linear Algebra for Data Science & Machine Learning (Udemy, 2021)
MS Word, Advanced (New Horizon Computer Learning Centres, 2001)
MS Excel, Advanced (New Horizon Computer Learning Centres, 2000)
MS Access, Intermediate (New Horizon Computer Learning Centres, 2000)
Touch Typing Course, English & Greek (Didacta, 2000)

WORK EXPERIENCE

Data Entry Clerk, Midland Steel RF Supplies, temp. contract (12/2021-09/2022)
- Quickly reached and exceeded daily goal by demonstrating resilience and excellent time management
- Maintained 100% accuracy for 9 month after 1 initial mistake by paying attention to detail

Consultant, Appen, self-employed (01/2020-07/2020)
- Identified and successfully rated 30 ads per day on a social media platform by using critical thinking
- Worked independently and remotely

Behavioural Therapist, self-employed (12/2017-08/2020)
- Was able to explain and teach children with autism social skills which were thought to be unteachable before using her academic background and knowledge of the experimental behavior analysis
- Demonstrated good time-management and communication

Teaching Assistant, Greenvale Infant and Nursery School, self-employed (01/2019-03/2020)
- Made it possible for a child with autism to follow the class requirements almost 100% of the time without a need for him to attend a special group

Supermarket Cashier, New Daily Express, contract (03/2009-12/2010)
- Delivered excellent customer service and queue management, especially during peak hours by demonstrating good communication and adaptability

Restaurant Cashier, Aulogyros, contract (03/2005-03/2007)
- Dealt efficiently with dine-in, take away, and deliveries while using MS Access
- Resolved customer complaints to ensure excellent customer service

Invoice Clerk, Hellenic-American Publications, contract (09/2000-03/2004)
- Issued sales invoices for all the customers while using Eurofasma software, MS Word, and MS Excel

PROJECTS

Bike-Share Company Case Study
Identified differences in bike usage between annual members and casual riders and came up with 3 recommendations for maximizing the number of annual memberships. Data (5M rows) was cleaned and analysed using Excel spreadsheets, RStudio, and Tableau.

Classification with Random Forest Algorithm
Worked with an unbalanced dataset to predict which customers are more likely to book a holiday with British Airways. Best accuracy was achieved with a hybrid approach (oversampling and undersampling).

British Airways Customer Reviews Analysis
Used SentimentIntensityAnalyzer of the Python nltk library to classify April-December 2022 customer reviews into 3 groups with an overall positive, negative, or neutral sentiment. Performed topic modeling with gensim library from Python and LDA (Latent Drichilet Allocation). Identified 7 different topics in negative reviews.

Predicting Sales Using Advertising Data in R
Used Linear Regression and R programming language to predict how much increase in sales we will get after spending money on different types of ads.

Marketing Optimisation Using A/B Testing
The aim of this project was to help a business decide if they should spend money on expensive mailing. A/B test using Python was conducted to answer this question.

Answering Business Questions with SQL
SQL was used to help a business answer questions about their total sales, best customers, and total sales for each product area.

Forecasting Average Number of Goals
For the university Time Series module assignment, average number of goals for the English Premier League was predicted using the R programming language.

LANGUAGES AND INTERESTS

Georgian (native), Russian (bilingual), English (academic IELTS, overall score 7, July 2020), Greek (University of Athens Certificate, overall score 90%), Romanian (beginner).
Plays badminton at a local sports center on Thursdays and at a local badminton association on Fridays.

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