

Edmonton, AB
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Mohammed Ali

Analysis focused person looking to create solutions and learn in an exciting work environment. **Areas of expertise:** Statistics, programming, data analysis.

EDUCATION

Bachelors of Science with Specialization in Statistics, BsC, University of Alberta **Sept 2015 — April 2020**

RELEVANT COURSEWORK

Sampling Techniques , Fall 2017	Sept 2017 — Dec 2017
Applied Regression Analysis , Fall 2017	Sept 2017 — Dec 2017
Survival Analysis , Winter 2018	Jan 2018 — April 2018
Time Series Analysis , Winter 2019	Jan 2019 — April 2019
Risk Theory , Fall 2019	Sept 2019 — Dec 2019
Computational Statistics , Winter 2020	Jan 2020 — April 2020
Computational Finance , Winter 2020	Jan 2020 — April 2020

ACTUARIAL EXAMS

Exam P	Passed September 2020
Exam FM	Passed February 2021

SKILLS

Software	Microsoft Word, Microsoft Excel, Microsoft Powerpoint, PowerBI
Programming	Python, R, Matlab, SQL
Programming (Packages)	XGBoost, Sci-kit learn, glmnet, pandas, matplotlib, ggplot, tidyverse, tensorflow
Soft Skills	Analytical, fast-learner, detail-oriented

EXPERIENCE

Math Tutor (part-time)	Nov 2020 — Feb 2022
Paper Co	Edmonton, AB
<ul style="list-style-type: none">• Worked online independently teaching students (from grade 4 to university) topics in mathematics, statistics and programming• Collaborated with other tutors on solutions to obscure/difficult topics in areas of mathematics and statistics	

PERSONAL PROJECTS

Projects can be found on my github : https://github.com/clipp-ing/personal_projects/

Stock Predictions

Python Tensorflow

- Prepared and preprocessed a large dataset (2.5 million entries) for use in a machine learning model
- Performed exploratory data analysis to gain insight into the dataset
- Created GRU model in tensorflow to predict future daily returns
- LSTM model was created using tensorflow's 'lower-level' API for greater flexibility and fine-tuned adjustments

Bank Campaign

Python LGBM

- An analysis of a Portuguese bank campaign dataset, using LGBM and some python visualizations
- Customer information (job,age, education, etc.) along with market conditions (consumer confidence, consumer price index, etc.) were examined to determine their effect on campaign success
- How these features impacted the likelihood of a customer subscription, and further, how well can we predict if a given customer will subscribe was analyzed