KOSTYANTYN HRYTSYUK

Goal: To become a qualified data analyst

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EDUCATION

Ukrainian Catholic University, Lviv, Ukraine — September 2019 - Graduation June 2022

Bachelor Of Science in **IT & Business Analytics**

- Courses: **Probability & Statistics**, Applied Econometrics, Linear Algebra, Critical Thinking, **Organization of Databases**, Finances, Algorithms & Data Structures, Calculus, OOP

Kyiv National University Of Trade And Economics (KNUTE), Ukraine — September 2013 - June 2017

Bachelor Of Science in **Banking**

- Taught myself the basics of programming throughout the university program
- Participated in ACM ICPC as a part of the university team

EXPERIENCE

STACK OF TECHNOLOGIES

Programming Languages

- Python (pandas, pyplot)
- R Language (dplyr, ggplot2)
- SQL
- C#/.NET Core

Other Tools

- Excel
- Git
- HTML&CSS
- Bootstrap

ATP AUTOTEILE , Lviv, Ukraine — **Junior Full Stack .Net Developer** — November 2017 – February 2019

- Presented and integrated new unit-testing framework which was more applicable to our project and increased code coverage
- Advocated splitting the project architecture into a separate client application and a shared server solution, which led to company-wide changes in approaches to building software

OTP Bank , Kyiv, Ukraine — **Junior Engineer in tech support** — November 2015 – June 2017

- Supported execution of a very precise and multi-factor process. That required running 3-4 scripts in a specific order on internal databases
- Handled communication between international departments in crises

PERSONAL PROJECTS

Youth habits research

This project dedicated to the analysis of the impact of different health-related habits on the academic results based on complex survey design.
With the Ⓡ packages **survey**, **dplyr** and **ggplot2** were conducted **t-** and **chi-squared tests**.
Also, I used such visualizations as **stacked bar charts** and **scatter plots** along with **linear regressions** for modeling relations in visualizations.

GARCH modeling in predicting investment funds volatility

Analyzed how GARCH models can be applied for predicting volatility.
Achieved **very precise predictions** for 10 days only with a **0.03%** error. With the Ⓡ packages **rugarch**, **xts**, **PerformanceAnalytics** were compared GARCH models with different specifications.
Tested obtained results with **Ljung-Box** test.

INTERESTS

Former active player of Mafia (Werewolf) team game

Run 7th Nova Poshta Kyiv Half Marathon

Twice won the Kyiv What? Where?When? Tournament with my team

Regular blood donor