# ELIZAVETA GOLOVANOVA

## LANGUAGES AND IT

**Languages**
French (Advanced C1)
English (Advanced C1)
Russian (Native)

**Professional growth**
**2014 - 2018**
Statistics; linear, discrete, higher algebra; mathematical analysis; analytical geometry; optimization methods; probability theory; mathematical statistics; differential equation; econometrics; R (algorithms, programming); Python (parsing, data visualisation); Wolfram Mathematica (programming, data visualisation); STATA; Gretl; Eviews; LaTeX; machine learning (unsupervised and supervised)

**2018 - 2020**
Introduction to artificial neural network; advanced econometrics; macroeconomics

**2021 - 2023**
Power BI, SQL, Geomarketing (Asterope), data analysis (PCA, KNN, k-means), R (visualisation, parsing, Shiny), PowerQuery (Excel), microeconomics

**Other technical skills:** Word, PowerPoint, C, Matlab, Google Analytics

## Consultant Engineer in IT for Enterprise and Business Software
*Capgemini Engineering and Eli Lilly & Company*
*sept. 2022 - sept. 2023*

- Creation of a recommendation system for the activity within the team
- Optimization of the data collection procedure for the HR department in Excel and Power BI

## Scientific fellow
*INRAE | Laboratoire d'économie appliquée à Grenoble*
*avr. 2022 - sept. 2022*

- Creation of a web application based on R Shiny (**https://paolocrosetto.shinyapps.io/METARET_APP/**)
- Parsing pdfs in Google Scholar with Python and SciHub
- Formulation and econometric testing of scientific hypotheses

## Scientific fellow
*Institute of Applied Economic Research, RANEPA Laboratory of Mathematical Modelling of Economic Processes*
*march 2018 - dec. 2021*

- Writing +200 parsers in Python: VTB (top-2 banks in Russia) and RANEPA collaboration program
- Writing a program in Python to optimize a cryptocurrency portfolio
- Participation in the writing of 11 scientific works for the Government of the Russian Federation
- Writing of 2 scientific articles in English

## Data analyst
*AppMagic - Mobile Market Intelligence Tool*
*avr. 2018 - sept. 2018*

- Writing code in Python to detect errors in the data approximator (Pandas, Numpy)
- Analysis of user activity (Google Analytics)
- Work with SQL queries (PostgreSQL databases, ClickHouse)
- User interface (UI) testing

### Conference at Moscow State University
*nov. 2020*
Establishment of indeterminacy and sentiment indicators on the basis of the analysis of news sources with the aim of revealing the position of experts with regard to the Bank of Russia

### Awards
*nov. 2020*
"Young researcher" competition in IT and digital society (2nd place) at RANEPA

### Volunteer activity
2018-2020, 2022-2023
Representative of the master for contacts with the secretariat

### Hobbies
Yoga, skiing, hiking, travelling, painting

**Github:** github.com/golovanovaliza

**Phone:** 0766741423
golovanovaliza1996@gmail.com

67400 ILLKIRCH GRAFFENSTADEN, France

Age: 27

Family situation: married

Driving licence: category B

## In English

*Golovanova, E., Zubarev, A., (2021) Forecasting Aggregate Retail Sales with Google Trends. Russian Journal of Money and Finance. 80. 50-73. DOI: 10.31477/rjmf.202104.50.*

*Golovanova, E., Zubarev, A. (2020) Building the uncertainty indicator regarding adjustment of the Bank of Russia's monetary policy relying on news sources. Business Informatics, vol. 14, no 4, pp. 62–75. DOI: 10.17323/2587-814X.2020.4.62.75*

## In Russian

*Golovanova, E., Zubarev, A., How economic agents evaluate the policy of the Bank of Russia during the current crisis, Monitoring the economic situation in Russia: trends and challenges of socio-economic development, No 9 (111), 2020*

*Zubarev, A., Shilov, K., Suleymanova, M., Golovanova, E. and Grebenkina, A., Analysis of the Possibilities of Using the Distributed Registry Technology to Improve the Functioning of the Sectors of the Russian Economy, SSRN, March 27, 2019*

*Golovanova, E., Zubarev, A., Prospects for using Blockchain technology in cadastral systems, Scientific Bulletin of IEP Gaidar No 8 (127), 2018*

**Université Grenoble Alpes (UGA) (2021-2023), GPA: 15.8/20**
*Master in Business and Data Analyst (MIASHS)*

**Russian Academy of National Economy and Public Administration (RANEPA) (2018-2020), GPA: 4.5/5**
*Master in Economics and Finances*

**Université Grenoble Alpes (UGA) (2016-2018), GPA: 11.9/20**
*Bachelor in Economics and Management - Double degree with RANEPA*

**Russian Academy of National Economy and Public Administration (RANEPA) (2014-2018). GPA: 4.66/5**
*Bachelor in Economics and Finance*