

# KONSTANTINA GOURGOURA

## LANGUAGES

- Greek: Native language
- English
  - Pearson Edexcel Level 3 Certificate in ESOL International (CEF C2)

## SKILLS

- Microsoft Office (Excel, PowerPoint, Word)
- Programming Languages & Software
  - R
  - PYTHON
  - HTML
  - MINITAB
  - MATLAB
  - PySpark SQL
- Project Experience
  - Regression Analysis
  - Survival and Reliability Analysis
  - Machine Learning
  - Statistical Modeling
  - Data Mining
  - Stochastic Processes

## WORK EXPERIENCE

Internship

### Hellenic Statistical Authority (ELSTAT)

Education and Sports Statistics Section, Athens

01/09/2020 – 31/10/2020

During the Internship I worked on

- the research of Education Finance (estimation of household expenses)
- the control of completed questionnaires (detection of incorrect entries)
- morphological modifications of tables with Microsoft Excel (calculation of columns with percentages, graphs, etc.)
- the commenting of the results and writing research press releases

## EDUCATION

### M.Sc. - Data Science and Machine Learning

National Technical University Of Athens

08/10/2021 - .../.../...

Level in EQF: 7 | Credits: 90 (ECTS)

### B.Sc. - Integrated M.Sc. - Applied Mathematical and Physical Sciences

National Technical University Of Athens

16/09/2015 - 26/03/2021

Level in EQF: 7 | Credits: 300 (ECTS)

- Expertise: **Mathematical Analysis & Statistics**
- Diploma Thesis: **Approaches to Statistical Modeling: Regression and Trees**
- Grade of Diploma Thesis: **10/10**
- Diploma Grade: **7.83/10 (VERY GOOD)**

### High School Diploma

General High School of Andravida, Ilia

2012 - 2015

- Main Subjects: Mathematics, Physics, Chemistry, Biology
- Grade: **18.9/20 (Excellent)**

## PROJECTS CONTEXT

- **Data Preprocessing** (missing values, censored data, outlier detection, dataset balancing, etc)
- **Explanatory & Exploratory Data Analysis** (data visualization, statistical inference, etc)
- **Algorithms & Methods / Statistical Modeling** (Bagging, Random Survival Forests, SVR, Cox proportional hazards model, Kaplan-Meier, Linear & Logistic Regression, Gradient Descent, Naive Bayes, K-NN, Multi-Layer Perceptron, k-means, SOM, etc)