

Andreas Belegratis

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EDUCATION

- 2020 - 2023** **IBM Data Science Professional Certificates**
Coursera, IBM Skills Network
- 2013 - 2014** **London School of Economics**
MSc in Risk & Stochastics
- 2009 - 2013** **Athens University of Economics & Business, Athens, Greece**
BSc Hons in Statistics

BUSINESS EXPERIENCE

2016 - present **Confederation of British Industry, London, United Kingdom**

Senior Data Scientist

Project: Survey unsubscribes ML

- Tasked to predict whether participants will unsubscribe from the surveys.
- Performed ETL on the data from various sources CRM, ClickD and Survey DB.
- Trained and deployed the final model on a Surveys PowerBI dashboard.
- A/B testing campaign strategies, retention rate increased by 20%.

Project: CBI Insights app NLP

- Tasked to estimate business sentiment to government policy announcements.
- Performed ETL a semi-structured dataset, pre processed text data consisted of thousands of taxonomized emails.
- Built a multiclass neural network classifier with Tensorflow achieved 80% accuracy.

Project: CBI Members subscription churn

- Collaborated with the CRM specialists for data understanding and feature engineering.
- Considered the cost and size of the data and suggested that correctly identifying churns and doing fast predictions should be the focus.
- Compared various models and searched for best hyperparameters. Integrated the final model in a PowerBI dashboard.
- Analysts use my model to report to stakeholders on member retention.

Project: Economic Intelligence – Survey Indicators

- Utilised dimensionality reduction techniques on past survey responses to construct more robust and accurate economic indicators that track ONS data.
- Built and deployed an analytics web app with the dash API, focused on KPIs and geospatial economic and time series data. Received great feedback from CBI's members.

2015

Greek Army Communications Analyst

- Analysed internal comms depending on their level of priority. Created daily and monthly internal comms reports for the on-duty officers. Improved resource allocation and deployment.

ADDITIONAL INFORMATION

Publications: European Commission BCS WORKSHOP

- Evaluating the performance of Aggregate Survey-Based Indicators in times of Crisis, 2016
- Impact of Elections evidence from CBI's Industrial Trends Survey, 2017
- Productivity puzzle: What can we learn from the financial Crisis?, 2018

Licenses & certifications

- IBM, Machine Learning Professional certificate.
- IBM, Data Scientist Professional certificate
- IBM, Data Engineering foundations
- DeepLearningAI, Machine Learning Specialization
- AUEB, Business Analytics and Big Data certificate

Software

- R, Python, SQL, PowerBI, Excel, NoSQL: MongoDB, Azure (DP-900 level), Heroku, Git, Bash
PowerShell, Web design, Flask

Hobbies

- Mountaineering: climbed Mount Kilimanjaro, Boxing, Cycling

Languages

- English, Greek