

Matthew Nunes

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Education

University of Warwick

BSc. (HONS.) MORSE (MATHEMATICS OPERATIONAL RESEARCH STATISTICS AND ECONOMICS)

- Final Year: predicted 2:1

Coventry, U.K.

Oct. 2015 - 2018

St. Paul's School (Barnes)

GCSE AND A LEVELS

- IGCSE: 7A*s, 4A including Mathematics, English and Triple Science
- AS: 5As Mathematics, Further Mathematics, Chemistry, Physics and Economics
- A2: Mathematics (A*), Further Mathematics (A), Chemistry (A), Physics (A)

London, U.K, SW13 9JT

Aug. 2010 - June 2015

Experience

Price Forbes

INTERN

- 2 weeks work assisting brokers in International property as well as understanding in more depth the role of the broker from a sales and marketing perspective.

London

July 2014

AXA UK

CAPITAL INTERN

- Based in Capital Modeling team, looking at catastrophe models in P&C risk.
- Looked at the feasibility of web-based tools in analyzing risk exposure on a macro level.
- Insight into other areas: pricing - motor, commercial shops; second line personal and commercial pricing; reserving - travel, both direct and intermediary; risk management - financial, operational and enterprise risk; reinsurance; HR.

London Office

August 2016

Gap360

TEACHING VOLUNTEER

- 2 weeks teaching English to 3 — 5 year old children, and 6-8 year olds with learning disabilities.

Fort Kochi, Kerala, India

August 2017

Skills

Programming	Python, R, LaTeX, MATLAB, SQL (SQLite and Oracle SQL developer), Bash (Linux command line), git (version control)
Libraries	Python: NumPy, Pandas, Scikit-learn R: Keras, ggplot2, dplyr, tidyverse, Hadoop: HDFS, MapReduce, Hive, Spark
Languages	French(conversational), German (basic)

Projects

General Election 2015-17 Data Analysis

- University project alongside 3 other colleagues over 7 week period.
- where we analysed the change in voting between the general elections of 2015 and 2017, and examined if there was any significance of a number of demographic variables and the voting statistics on the EU referendum.
- A concise project plan was created with objectives and potential pitfalls.
- We created a 6-page report of our findings in RMarkdown and a presentation.

Oct - Dec. 2017

McKinsey Healthcare Analytics 24h Online Hackathon

[HTTPS://DATAHACK.ANALYTICSVIDHYA.COM/CONTEST/MCKINSEY-ANALYTICS-ONLINE-HACKATHON](https://datahack.analyticsvidhya.com/contest/mckinsey-analytics-online-hackathon)

14th April 2018

- Tasked to build a model predicting the likelihood of a patient to have a stroke.
- I used a variety of models including Naïve Bayes, Linear Regression, LASSO and a Neural Network in Python and R. (Workings can be found on my github)
- My final model was ridge regression optimised through grid search. My result was 204th/584 entries.

Interests & Achievements

Music	Violin Grade 8 ABRSM, Piano Grade 8 ABRSM, Violin 1 for University of Warwick Symphony Orchestra
Sport	Hockey GK at Teddington HC and Warwick University 1stXI, BSAC Ocean diver (scuba-diving qualification)
Other	Freeman of the City of London – Guildsman of the Guild of Mercers Scholars