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| University Degree MathematicsStatistics and data analytics | Academy Stream Data analysis |

## Summary

Iman is a recent masters graduate who graduated from Brunel university with a bachelor’s degree in mathematics and a master’s degree in statistics and data analytics. During Iman’s third year final project, she discovered that she has a passion for data analysis, and this new-found passion has led Iman to pursue a master’s degree and a career in data analysis for the future. Iman has ensured that any work she produces is up to high quality, the importance of this was highlighted during her brief work experience with MAM international. Her work experience with MAM international also made her aware about the importance of explaining a very technical topic to a non-technical audience. For this reason, Iman prides herself in being capable of explaining very technical statistical analysis to non-technical audience. Iman is a very friendly individual, who is always approachable and a team player. Iman’s hobbies include baking, travelling and exploring new cultures. She also enjoys reading books and journals and watching documentaries that will allow her to learn new knowledge.

SKILLS

## Academy Experience

#### Business Skills

Description: *A continuous development that explores the world of business and projects therein. A focus on understanding their role within organisations and communicating effectively with the people around them.*

Skills: Effective communication, networking, negotiation, project life-cycles, development life-cycles, time and task management, stakeholder analysis/management, memory techniques, network diagrams, WBS and dependencies, presentation skills.

## Academy Projects

## Employment History

## EDUcation

#### September 2014 – july 2017

#### Brunel uNIVERSITY

###### **BSC: mATHEMATICS**

###### Modules:

###### 1st Year: Calculus, fundamentals of mathematics, linear algebra, geometry and application, computing projects, probability and statistics, essential mathematics, advanced mathematics

###### 2nd Year: Multivariable calculus, advanced calculus, advanced calculus and numerical methods, linear methods, algebra, analysis 1 and 2, vector calculus and application, probability and statistics II,

###### 3rd Year: Ordinary and partial differential equations, complex variables, encryption, statistics II

###### Final Project: For Iman’s final year project dissertation, Iman wanted to analyze what factors influence young hispanic men to commit crimes in California. To conduct my analysis, I had to compile an appropriate data which included useful variables and time period. This required intensive research by reading journals and newspaper/online articles. Once I had obtained the appropriate dataset, it was now important to establish what statistical analysis techniques were needed. Since my dependent variables were between 0 and 1 it was not appropriate to use a traditional regression model. Hence, I derived a new quantile regression model from the Kumaraswamy distribution.

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#### September 2017 – SEPTEMBER 2018

#### Brunel uNIVERSITY

###### **mSC: STATITICS AND DATA ANALYTICS**

###### Modules: Modern regression and classification, time series modelling, network modelling, computer intensive statistical methods.

Dissertation: For her master’s dissertation, Iman compared the performance of volatility forecasts made by different GARCH models. The GARCH models that Iman considered includes GARCH (1,1), EGARCH (p, q), GJR-GARCH (p, q) where p, q are different parameter orders. She also considers different error distributions such as the normal, student t and generalised error distributions. To conduct her analysis she used the R software and using different packages such as ggplot.

## Certifications

## Hobbies/extra Curricular activities

* Baking: Iman enjoys baking cakes and hopes to gradually improve her baking skills through time. To further practice her baking skills Iman bakes for cake sales where all the money earned from her baking is donated to charity.
* Reading: Self development is very important for Iman, to further improve on herself Iman reads books.

## Volunteer Work

###### Assistant

###### MAM international: For her voluntary work, Iman worked with the telecommunications department. There she would have to read tenders, help prepare cost sheets, contact suppliers and report back to the project leader. managed a team of 4 who trained over 30 young people in photography skills and guided 2 young people into media related work experience. Applied Prince 2 methodology to conduct product-based planning and assist with the creation and management of program plans. The project gained repeat funding of £10k by the awarding body due to achievement of stated objectives.