**James Barrett**

**James@philanthropy-institute.org.uk**

I am a Data Analyst at the Institute for Sustainable Philanthropy. I graduated from the University of Plymouth in 2018 with an MSc in Data Science and Business Analytics. In my current role I concentrate on how qualitative data can be turned into insights.

**Work Experience**

**Data Analyst, Institute for Sustainable Philanthropy (2022-Present)**

Responsibilities:

* Prepare and analyse donor surveys for various clients across the charity sector.
* Conduct scientific experiments to investigate psychological factors impacting charities and their donors.
* Analyse qualitative data using machine learning methods.
* Use Process modelling to find indirect effects in data.
* Write reports summarising findings for academic publication.

**Teaching Assistant, Whipton Barton Junior School (2011-2012)**

Responsibilities:

* Ensuring children understand the task set by the teacher by working with pupils both on a one-to-one basis and in small groups. This includes helping a non-English speaker understand the task.
* Testing children on their times tables and helping children to accomplish their specific targets.

**Education**

**Plymouth University (2014-2018)**

MSc Data Science and Business Analytics (Distinction)

Key Skills Gained:

* Computing Skills: Proficient User of R and Microsoft Office. (Including Word, Excel and PowerPoint), basic C# programming
* Experience modelling data using a variety of statistical models and machine learning algorithms
* Experience completing a large project, including analysing large data sets: Evidenced

by my dissertation: A comparison of classification methods for sentiment analysis

BSc (Hons) Mathematics and Statistics (1st Class)

Key Skills Gained:

* Problem Solving Skills and Analytical Thinking.
* Written and Verbal Communication: Evidenced by numerous statistical reports as well as verbal presentations
* Ability to analyse complex data using a variety of methods.
* Ability to work well under pressure.
* Consistently delivering good results: Evidenced by being on the Dean’s List.

Notable Modules: Data Modelling, Time Series Analysis and Modelling, Medical Statistics, Multivariate Statistics and Experimental Design

**Exeter College (2011-2014)**

International Baccalaureate Diploma – 31 points total. English Literature HL: 5, Biology HL: 5, Chemistry HL: 4, Italian Ab Initio SL: 5, Psychology SL: 5, Mathematics SL:6 Theory of Knowledge and Extended Essay: 1

A-Levels:

Mathematics: A, AS Spanish: B, AS Physics: C

**St Luke’s Science and Sports College (2006-2011)**

10 GCSEs Grade A-C: Including Mathematics and English

OCR Level 2 Functional Skills in ICT

OCR Level 2 National Award in ICT