Robert Pieczykolan

Statistical Analysis & Research Expert

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**Profile**

**Efficient. Intellectual. Analytical.**

A highly professional data analyst with a passion for combining statistics and critical thinking to achieve outstanding results in research and consultancy projects. Excels in meeting challenges head on and solving deep analytical problems, implementing new and improved reporting systems to deliver enhanced Management Information (MI) and gathering requirements and data from all levels of a business, stakeholders to customers, to propose and deliver the best solutions. Currently seeking full time employment as a Business Analyst where commitment, resilience and innovative methodology will add immediate value.

**Key Skills & Competencies**

* Sourcing & analysing complex data
* Critical evaluations/critical thinking
* Breaking complex information into detail
* Supporting positive change through proactive MI
* Teaching, coaching & mentoring
* Advanced Microsoft Suite proficiency
* Outstanding numeracy & advanced mathematics
* Qualitative and quantitative research methods
* Report writing and methodology
* Risk analysis and mitigation
* Business recommendations
* Innovative problem solving
* Evidence based decision making
* Requirements gathering and methodology
* Understanding ‘as-is’ and ‘to-be’ processes
* Strong time management and prioritisation
* High degree of initiative and autonomy
* Resilience and commitment

**Education and Professional Training**

* **Member of the American Statistical Association (ASA) |** [**https://www.amstat.org/**](https://www.amstat.org/)
* **Member of the Operational Research Society|**<https://www.theorsociety.com/about-or/>
* **Member of Statistics Without Borders (SWB) (an outreach of ASA providing pro bono statistical consultancy)**
* **Data to Insight: An Introduction to Data Analysis & Visualization | The University of Auckland**
* **Business Analysis using Forecasting | National Tsing Hua University**
* **Big Data: Big Visualization | Queensland University of Technology**
* **Big Data Mathematical Modelling | Queensland University of Technology**

PGC in Mental Health Psychology | University of Liverpool | 2018

Bachelor of Arts in English Language (Philology) + Qualified Teacher Status (QTS) | University

of Maria Curie-Sklodowska Poland | 2011

**Professional History**

**RESEARCH ASSOCIATE | PIQC Institute of Quality in Pakistan (remote working) | June 2019 – present**

* Mandated to provide peer review and selection of scientific articles, case studies, theses on software applications, artificial intelligence, robotics, statistics and data science in quality control and quality assurance across different professional sectors.

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**continued…**

**STATISTICIAN/BUSINESS ANALYST | Freelance | Jan 2018 – present**

* Worked across a broad range of businesses/industry sectors as an accomplished and knowledgeable statistic consultant.
* Supported businesses in requirements gathering, data entry and cleansing, sampling, mathematical/statistical modelling and time series analysis and forecasting.
* Designed and analysed surveys, questionnaires and experiments aimed at understanding and improving employee/customer engagement, quality management, psychology and social research.
* Worked with the food safety and quality teams at Muller UK & Ireland to create a confidential reporting system of quality concerns or incidents in response to section 1.1.6 of BRC Global Standards.
* Improved quality and culture of information sharing at Muller through better availability of data, in response to a problem indicated in a recent employee survey.

**STATISTICIAN/DATA ANALYST | The African Child Policy Forum/Statistics Without Borders | May – Oct 2017**

* Supported the Child Friendliness Index Project; a tool capturing Government effort in meeting international and continental commitments to children’s rights and wellbeing across Africa.
* <http://data.africanchildinfo.net/nfhlwfd/child-friendliness-index-rank>
* Demonstrated expertise in pre-processing time series data, exploratory data analysis, missing value imputation, aggregation and normalization methods, reliability and sensitivity analysis.

**JUNIOR STATISTICIAN | HelpAge International/Statistics Without Borders | Aug 2016 – Dec 2017**

* Supported the Global Age Watch Project 2017, <http://globalagewatch.org/>
* Conducted a literature review on the inclusion and volatility of subjective data in the Index.
* Delivered preliminary data analysis for the 2017 report.
* Documented the explanatory power of the indicators and the reliability/interpretation of the overall Index value.

**TEACHER OF ENGLISH AS A FOREIGN LANGUAGE | Primary School in Dobczyn, Poland | 2012 – 2013**

* Introduced English grammar and vocabulary to Polish children aged 5 – 12.
* Carried out regular assessments of students’ progress and used this data to make informed decisions and plans for future lessons.
* Developed innovative strategies to improve engagement and learning for students with lower attainment.
* Developed stretch challenges and enhanced language skills practice for students with higher attainment.

**Further Information**

A genuine passion for statistics and data can sometimes lead to the assumption of a dry personality with little wit and humour, but I am happy to say that this is not the case. In my spare time I enjoy a broad range of hobbies and interests including beekeeping, martial arts (aikido, boxing, judo, tai chi and MMA), music, psychology, theatre and travelling, As a qualified teacher I love sharing information and coaching others to succeed, and I have a warm and genuine communication style that allows me to influence and lead from within without overt displays of professional superiority. I love data and statistics… but people are pretty great too and I enjoy a collaborative team atmosphere.

**References will be made available on request**

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