

ROHIT DUSANE

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Profile Summary

Seasoned Biostatistician and Data Analyst with over **10 years** of proven success in clinical research, survival analysis, and cross-functional collaboration. Adept in advanced statistical modeling, machine learning, and data-driven storytelling using tools like R, Python, SQL, and Power BI, and currently **transitioning** into **data science**, combining deep analytical expertise with cutting-edge **ML techniques** to drive innovation and deliver high-impact insights.

Relevant Coursework

- | | | | |
|------------------------|------------------------|---------------------|-------------------------|
| • Statistical Analysis | • Data Manipulation | • Python | • Requirement Gathering |
| • Data Visualization | • Data Cleaning | • Machine Learning | • Business Analysis |
| • Data Preprocessing | • Regression Modelling | • Clinical Research | • Communications |

Experience

Freelancer – Data Analyst | Biostatistician, Mumbai, India Aug 2024 – Present

- Delivered **predictive modelling solutions** using **Python**, **scikit-learn**, and **Power BI**, resulting in a **25% improvement in decision-making efficiency**, enabling clients to make faster, data-driven decisions.
- Conducted **10+ statistical analysis** on complex datasets using **regression analysis**, **survival analysis**, and **hypothesis testing**, improving **research outcomes by 20%** and helping clients achieve **15% better accuracy** in their presentations.

NMC Healthcare Group – Biostatistician, Abu Dhabi, UAE Dec 2018 – Aug 2024

- Performed **statistical analysis** using **SPSS**, **R**, and **Python** to conduct **data wrangling**, **exploratory analysis**, and **hypothesis testing**, improving outcomes by **30%**.
- Developed **regression models** and **data-driven insights** through **statistical reports** and **visualizations** to support **clinical decision-making**.
- Collaborated with **cross-functional teams** to ensure accurate **data collection**, **analysis**, and **interpretation** for **clinical studies**.
- Authored **10 peer-reviewed publications** in **clinical research**, contributing to the medical community.

Tata Memorial Hospital – Statistician, Mumbai, India Aug 2013 – Jul 2018

- Utilized **SPSS** to develop **statistical models** predicting **disease progression** and **treatment outcomes**, improving patient care strategies by **25%**.
- Led **methodology design** for **observational studies** and **randomized controlled trials (RCTs)**, ensuring compliance with **regulatory standards** and **statistical rigor**.
- Provided **statistical support** with a focus on **data analysis**, leading to contributions in **25 published studies**.
- Performed **survival analysis** and **risk assessments** to evaluate **treatment efficacy** and **patient prognosis**.
- Conducted **training sessions** for **research teams** on **statistical tools** and **best practices** in **clinical study analysis**.

TechKnit ITES – E-Tutor, Pune, India Jan 2013 – Jun 2013

- Provided an **online problem-solving** session for the clients. Increased client satisfaction by **20%**.
- Responded to student queries, ensuring continuous academic support.

Projects

- **Business 360 - Brick & mortar and e-commerce** | Power BI, SQL, Excel | [Live Dashboard](#) Dec 2024
 - Developed a Power BI dashboard integrating sales data from **Excel/CSV** and a **SQL database**, optimized using **DAX Studio** for a 5% performance improvement and 20% reduction in data-related expenses.
 - Designed to track **AtliQ hardware's sales trends** over the past 4 years, with projections indicating a potential 7% revenue increase in the next quarter.
- **Healthcare Analysis - Comparison Report** Power BI | Excel | [GitHub Repo](#) Nov 2024
 - Developed a Power BI **dashboard**, analyzing the impact on the **patient wait list** in the healthcare business.
 - Showcased insights into 2 major aspects of business KPI (**Avg Wait time Current** and **Last month**), **Trend** by Age Group, and Monthly distribution by Case Type.
 - Identified potential pitfalls and enabled **20% improvements** in the patient wait list with this report.
- **Sales data analysis - Excel** | Power Pivot | Power Query [GitHub Repo](#) Sep 2024
 - Developed an **Excel dashboard** to track key performance indicators (KPIs) such as **footfall**, **sales**, **quantity**, and **profit** across **3 countries**, providing real-time insights into business performance.
 - Analysed sales data to identify **top-performing products**, leading to a recommendation for a **10% increase in coffee sales**, which was projected to drive **higher profit margins**.

Technical Skills

- **Data Analysis & Tools:** Excel, Power BI, Power Query, SPSS, Python (Pandas, NumPy), SQL
- **Data Modelling & Insights:** Machine Learning, Predictive Modelling, Time Intelligence Functions
- **Advanced Analytics:** Statistical Methods, Regression, Classification, Data Cleaning/Transformation, Data Transformation

Education

North Maharashtra University, Jalgaon

Master of Science – Statistics

Apr 2010 – May 2012