

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

Experience

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 provided **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**.
- Designed and implemented **predictive models** and **data analysis strategies** to optimize **healthcare outcomes**.
- Authored **10 peer-reviewed publications** in **clinical research**, contributing to the medical community's understanding of key health metrics.

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 **dashboard** in Power BI for 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
 - I created an Excel dashboard that tracks various KPIs (Footfall, Sales, Quantity, Profit) and Sales trend to track business service in 3 countries.
 - Analyzed sales data, identified top-performing products, and recommended a **10%** increase in coffee sales to drive higher profits.

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 Analysis, Data Cleaning/Transformation, Data Transformation

Education

North Maharashtra University, Jalgaon

Apr 2010 – May 2012

Master of Science - Statistics