

# ROHIT DUSANE

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## Objective:

With a Master of Science in Statistics and over **10 years** of experience as a **Biostatistician**, I bring a wealth of expertise in data wrangling, data analysis, project management, and results interpretation. My strong analytical skills and extensive experience enable me to provide insightful data-driven solutions and manage complex projects efficiently. I am passionate about leveraging my skills to drive impactful research and healthcare outcomes.

## Skills & Expertise:

- **Statistical Tools:** SPSS, R, Python (Beginner), SQL (MySQL), MS Excel
- **Data Visualization Tools:** Power BI, Python, RStudio, MS-Excel
- **Statistical Expertise:** Hypothesis Testing, Data Wrangling, EDA, Regression Modelling, Statistical Reporting
- **Research Design & Analysis:** Strong background in designing, analyzing, and interpreting data from clinical trials, observational studies, and cohort studies.
- **Clinical Research:** Protocol Design, Feasibility Assessments, Grant Writing, SOP Compliance
- **Collaboration:** Experience working in collaborative research environments with pharmaceutical companies, healthcare professionals, and academic institutions.
- **Ethics and Compliance:** Familiar with Institutional Review Board (IRB) processes and clinical research ethics, ensuring patient safety and regulatory adherence.
- **Soft Skills:** Analytical Thinking, Team Collaboration, Project Management

## Work Experience:

- **Biostatistician**, NMC Healthcare Group, Abu Dhabi **Dec. 2018 – Jul. 2024**
  - **Delivered statistical support** for 10+ **clinical research studies**, including **observational studies** and **feasibility assessments**, influencing **project approvals**.
  - **Managed and analysed large datasets** (50K+ records) from **clinical trials** and **electronic health records (EHR)**, ensuring **100% quality control compliance**.
  - Utilized **SPSS, RStudio, and Python** for **data wrangling, exploratory data analysis (EDA)**, and **regression modelling**, reducing **data processing errors** by 25%.
  - Developed **statistical reports** and **Power BI dashboard**, increasing **clinical trial efficiency** by 15%.
  - **Collaborated with physicians and researchers** to design 10+ **research protocols**, securing 50K AED in **grant funding**.
  - Authored/co-authored 10+ **research publications**, contributing to **Q1 journals** like *Infectious Diseases*.
  - Conducted 50+ **quality checks** to ensure **100% adherence to SOPs**, improving **reliability of clinical research outcomes** by 20%.
  - Provided **statistical guidance** to **multidisciplinary teams**, facilitating improved **research accuracy** and **outcomes**.
- **STATISTICIAN**, Tata Memorial Hospital, Mumbai **Aug. 2013 – Jul. 2018**
  - Built **predictive statistical models** (e.g., **logistic regression, survival analysis**) to forecast **disease progression** with high accuracy.
  - Designed and executed **statistical methodologies** for **clinical trials**, including **randomization techniques** and **power analysis**, ensuring **data integrity**.
  - Conducted **exploratory data analysis (EDA)** using **SPSS** and **R** to identify trends and improve **data quality** through structured checks.

- Collaborated with medical teams to develop 20+ **clinical research studies**, enhancing their **statistical rigor** and **success rates**.
- **Authored/co-authored 25+ peer-reviewed publications**, earning recognition for **statistical contributions**.
- Played a pivotal role in preparing **regulatory submission packages** with concise and accurate **analytical plans**.

➤ **E-TUTOR (Statistics)**, TechKnit ITES, Pune

**Jan. 2013 – Jul. 2013**

- Conducted online problem-solving session for clients.

#### **Certification:**

- **SQL Beginner to Advanced for Data Professionals-** [Codebasics](#) **Aug 2024**
- **Power BI for Data Analytics Certificate –** [Codebasics](#) **Dec 2024**

#### **Academic Education:**

Standard	Board / University	Year of passing	Percentage / CGPA (Out of 10)
Master's in Science - Statistics	North Maharashtra University, Jalgaon	2012	5.6
Bachelors in Science Statistics	North Maharashtra University, Jalgaon	2010	70.17%

#### **Declaration:**

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above particulars.

**Place:** Thane

**Date:** 6-01-2025

#### **Publication:**

- 1: Sugoor P, Shah S, **Dusane R**, Desouza A, Goel M, Shrikhande SV. **Proximal gastrectomy versus total gastrectomy for proximal third gastric cancer: total gastrectomy is not always necessary.** Langenbecks Arch Surg. 2016 Aug; 401(5):687-97.
- 2: Majmudar VP, Mishra AG, Kulkarni VS, **Dusane RR**, Shastri SS. **Tobacco-related knowledge, attitudes, and practices among urban low socioeconomic women in Mumbai, India.** Indian J Med Pediatric Oncology. 2015 Jan-Mar; 36(1):32-7.
- 3: Esha Pai, Abhishek Mitra, **Rohit Dusane**, Priya Ranganathan, Ashwin Desouza, Mahesh Goel, Shailesh Vinayak Shrikhande **Extended Pancreatectomy as Defined by ISGPS: Useful in Selected Cases of Pancreatic Cancer but Invaluable in Other Complex Pancreatic Tumors.** Langenbeck's Archives of Surgery.
- 4: Rajesh S Shinde, M Ch Surgical Oncology; Devayani Niyogi; Abhishek Mitra; Ashwin Desouza; Vikas Oswal; Reena Engineer; **Rohit Dusane**; Avanish Saklani. **Does Histology Dictate the Outcome of Locally Advanced Rectal Adenocarcinoma with Complete Pathological Response following Chemo-radiation.** Journal of Radiation Oncology.
- 5: **Emerging role of multimodality treatment in gall bladder cancer: Outcomes following 510 consecutive resections in a tertiary referral center.** Shraddha Patkar, Vikas Ostwal, Anant Ramaswamy, Reena Engineer, Supriya Chopra, Nitin Shetty, **Rohit Dusane**, Shailesh V. Shrikhande, Mahesh Goel.
- 6: Goel M, Tamhankar A, Rangarajan V, Patkar S, Ramadwar M, Shrikhande SV. **Role of PET CT scan in redefining treatment of incidental gall bladder carcinoma.** J Surgical Oncology. 2016 May; 113(6):652-8. [Acknowledged for Statistical Analysis- **Rohit Dusane**]

References: Available upon request