

Smita Pinjan

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PROFILE

Highly motivated data analyst with expertise in various statistical methods. Proficient at interpreting and analyzing health and sales data, focusing on soliciting feedback and enhancing business performance through data mining and visualization.

Motivated by an unwavering commitment to understanding, I specialize in uncovering patterns and translating raw data into strategic insights for informed decision-making.

PROFESSIONAL ACCOMPLISHMENTS

- **Sales Analysis**

- Developed and implemented advanced analytics models that predict sales trends with 95% accuracy, significantly enhancing forecasting capabilities.
- Designed a suite of interactive dashboards that reduced report generation time by 40% which improves the sales team's decision-making process.
- Conducted a comprehensive market analysis that identified key growth areas, increasing market share.

- **Sepsis and Non-Sepsis Patients Dataset Analysis**

- Developed a dynamic chart using advanced Tableau Visualizations which identifies more than 99% of patients at risk of mortality, highlighting severity levels. It empowers medical professionals to prioritize interventions and allocate resources efficiently by providing critical insights for healthcare decision-making.
- Successfully identified the top 20 high-risk patients by focusing on mortality risk and organ system failures. This targeted approach enables timely interventions, potentially saving lives and improving patient outcomes.
- Designed a KPI dashboard for sepsis patients in Tableau. This dashboard streamlined information access, leading to a remarkable 30% improvement in operational efficiency within the intensive care unit. By visualizing critical data points, healthcare teams can make informed decisions promptly.

- **Covid-19 Patient Dataset Analysis**

- Conducted a comprehensive survey analysis, revealing that over 80% of participants experienced significant stress due to financial obligations during the COVID-19 pandemic
- Uncovered that 96% of participants aged 26 and above reported mental health issues stemming from financial stress.
- Identified that more than 20% of individuals with high blood pressure and 30% of stroke patients exhibited emotional vulnerability, necessitating enhanced support systems.
- Reported that 37% of the vulnerable group with various morbidities suffered from breathing problems, emphasizing the intersection of physical and mental health.
- The analysis provided critical insights into the pandemic's mental health impact, leading to targeted interventions and support for affected demographics, ultimately contributing to better mental health management during a global crisis.

- **Diabetes Patients Dataset Analysis**

- Performed an analysis that revealed a 38% increase in the likelihood of developing Dementia for individuals with diabetes.
- Analyzed long-term patient data and found that 96% of patients with a history of Diabetes for more than 15 years develop Hypertension.

- These key findings have provided valuable insights for medical professionals, potentially guiding future treatment approaches and patient education on the management of Diabetes and its associated risks.

EXPERIENCE

Data Analyst

Sep 2023 - Present

Numpy Ninja, Dover, DE, USA (Remote)

- Assigned to lead a critical data analysis project within the healthcare analytics team, focusing on uncovering the interrelation between Sepsis, Diabetes, COVID-19, and its long-term health impacts.
- **Advanced Data Visualization Techniques:** Demonstrated proficiency in advanced Tableau concepts, including control charts, sparkline charts, funnel charts, Pareto charts, and correlation charts. The visually compelling representations facilitate effective communication of complex data to stakeholders.
- **Data Cleaning and Wrangling:** Employed Python, Pandas, Numpy, and PostgreSQL for efficient data cleaning and wrangling. Ensured data accuracy and consistency, laying a robust foundation for subsequent analyses and visualizations using Tableau & PowerBI.
- **Exploratory Data Analysis (EDA):** Utilized EDA techniques and the Python visualization libraries, including Matplotlib and Seaborn, to derive insights from raw data. Explored relationships, patterns, and anomalies in the biomarker data.
- Prepared insights from various relational databases such as PostgreSQL, and MySQL using SQL queries. Ensured data integrity and consistency for subsequent analysis.
- **Linear Regression Modeling:** Employed Linear Regression to assess data suitability for informed decision-making and evaluated relationships between biomarkers and clinical outcomes.
- **Agile Methodology Implementation:** Actively participated in the Agile process, utilizing tools like Scrum, GitHub, and Trello. Collaborated with cross-functional teams to enhance project efficiency.

Sales and Customer Service Representative/Analyst

Mar 2021 - Sep 2022

Upper Canada Forest Products Ltd, Edmonton, AB

- Collaborated with cross-functional teams to streamline the sales pipeline, achieving a 15% reduction in the sales cycle duration.
- Analyzed sales data to identify trends, forecast sales projections, and develop strategic plans for the company
- Contributed to sales growth by upselling products and services based on individual customer requirements by utilizing Salesforce, SAP, and SharePoint systems.
- Provided data-driven insights and recommendations to executive management.
- Prepared monthly sales reports and presented them to the executive team.
- Contributed to sales growth by upselling products and services.

EDUCATION

Bachelor of Technology, NAIT Edmonton, AB

Sep 2020

SKILLS

Microsoft Excel and Google Sheets, Tableau, PowerBI, Structured Query Language (SQL) including PostgreSQL & MySQL, Python coding, Statistical Analysis, Analytical Problem Solving, Data Cleaning and Wrangling, Data Visualization, Data Analysis, Project Management, Report Writing, Strong Work Ethics, Clear and Concise Communication, Attention to Detail.