SMITA PINJAN

DATA ANALYST

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.

Driven by a relentless pursuit of insight, I am passionate about unraveling patterns and transforming raw information into strategic insights that drive informed decision-making.

EXPERIENCE

Data Analyst, 09/2023 - Current
Numpy Ninja

Process-oriented data analyst, skilled at creating insightful representations from datasets for soliciting feedback from the stakeholders and incorporating the same to enhance the efficacy of processes.

- **Dynamic Mortality Risk Chart:** Developed a dynamic chart using advanced Tableau Visualizations which identifies patients at risk of mortality, highlighting severity levels.
- **High-Risk Patient Identification:** Identified the top 20 high-risk patients by focusing on mortality risk and organ system failures.
- **ICU Operational Efficiency Enhancement:** Designed a KPI dashboard for sepsis patients in Tableau which improved operational efficiency by 30%.
- **Demographic Insights:** Analyzed demographic parameters related to sepsis and discovered vulnerability patterns in male patients aged 65+.
- **SIRS Patient Monitoring:** Utilized Tableau to identify Systemic Inflammatory Response Syndrome (SIRS) patients which will be helpful in enhanced monitoring for sepsis progression.
- **Biomarker Impact Analysis:** Investigated abnormal biomarker levels' impact on organ failure and overall health in sepsis patients. Investigated the temporal impact of abnormal biomarker levels on organ failure and overall health in sepsis patients, potentially leading to mortality. These biomarkers, including WBC, Platelets, base Excess, and lactate, significantly influence the incidence of sepsis and can lead to **mortality.**
- **Advanced Data Visualization Techniques**: Leveraged advanced Tableau concepts, such as Control charts, Sparkline charts, Funnel charts, Pareto charts, and Correlation charts, to visualize biomarker trends. Combined these techniques with basic charts like Bar plots, Box plots, scatter plots, and heat maps for comprehensive insights.

CONTACT

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SKILLS

- MS Excel and Google Sheets
- Tableau
- PowerBI
- Structured Query Language (SQL) - PostgreSQL, MySQL, Microsoft SQL Server
- Python Programming
- IBM Cognos Analytics
- Statistical Analysis
- Analytical Problem Solving
- Data Cleaning and Wrangling
- Data Visualization
- Data Analysis
- Data Validation
- Technical Analysis
- Business Needs Analysis
- Project Management
- Report Writing
- Technical Writing
- Strong Work Ethics
- Clear and Concise Communication
- Attention to Detail

EDUCATION

Bachelor of Technology in Construction Management, 09/2020
NAIT - Edmonton, AB
GPA: 3.8/4.0

- **Data Cleaning and Wrangling**: Utilized Python, Pandas, Numpy, and PostgreSQL for efficient data cleaning and wrangling.
- **Exploratory Data Analysis (EDA)**: Proficient in Python visualization libraries, including **Matplotlib and Seaborn**, to derive insights from raw data. Ability to **e**xplore relationships, patterns, and anomalies in the biomarker data.
- **Relational Database Skills**: Prepared insights from **PostgreSQL, MySQL, and Microsoft SQL Server** 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.
- Analyzed Diabetes and COVID-19 datasets to quantify the impact on patient populations. Also, investigated stress levels during exams using **SQL and Python libraries** in student datasets.

PROJECTS

- Sepsis and Non-Sepsis Patients Dataset Analysis using Tableau
- Diabetes Patients Dataset Analysis using PowerBI
- Covid-19 Patient dataset analysis using PostgreSQL & PowerBI
- Diabetes Patients dataset analysis using PostgreSQL
- Student Exam stress analysis using Python
- Data Analysis of the Superstore Sales using Tableau

Inside Sales and Customer Service Representative, 04/2022 - 09/2023
Upper Canada Forest Products Ltd - Edmonton**,** AB

- Acted as a consultant to the manufacturer with a comprehensive knowledge of company products and served new and existing customers.
- Provided primary customer support to internal and external customers by answering their queries and providing product options that helped customers fulfill their requirements.
- Actively participated in company training programs and demonstrated the ability to operate company systems and software without any supervision.
- Generated daily and weekly sales reports, invoices, and work orders.
- Contributed to sales growth by upselling products and services based on individual customer requirements.
- Participated in team projects, demonstrating an ability to work collaboratively and effectively.
- Provided excellent customer service to resolve customer complaints promptly.

PUBLICATIONS

- **Negative Profit or Loss: Visualization using Tableau, Oct 2023**
https://www.numpyninja.com/post/profit-or-loss-analysis-and-visualisation-using-tableau

- **Tips and Tricks for Consolidating Multiple Worksheets, replacing multiple copies of the same datasets with one in Tableau, Feb 2024**
https://www.numpyninja.com/post/tips-tricks-for-consolidating-multiple-worksheets-replacing-multiple-datasets-to-one-in-tableau

HACKATHONS

- SQL Hackathon
- Python Hackathon