

Final Report of Traineeship Program – May 2023

On

“Patients Dataset (United States)”



[MedTourEasy](#)

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Acknowledgment

The traineeship opportunity I had as a Business Analyst Trainee at MedTourEasy was an invaluable experience that significantly contributed to my learning and professional growth in the field of Data Analytics and Data visualization. I am deeply grateful to the Training & Development Team at MedTourEasy for granting me this opportunity and providing guidance throughout the traineeship project. Their expertise and support enhanced my understanding of the subject and enabled me to deliver a project that exceeded client expectations.

I would also like to express my appreciation to the entire MedTourEasy team and my colleagues for creating a productive and collaborative work environment that fostered growth and learning. This traineeship has been a truly fruitful experience for me.

Abstract

The project utilizes a USA public dataset on patients to extract meaningful insights and provide a comprehensive view of key metrics. The YTS KPI, sales, and profit visualizations offer a detailed analysis of patient-related trends, revenue patterns, and profitability indicators. The carefully crafted dashboard combines these visualizations in a cohesive and intuitive manner, allowing users to effortlessly navigate and interpret the data.

By leveraging data visualization best practices, the dashboard ensures optimal clarity and usability, enabling stakeholders to quickly grasp essential information. The visual representations effectively highlight important trends, outliers, and correlations within the patient data, facilitating data-driven decision-making and strategic planning.

Through this project, the power of data visualization is harnessed to transform complex patient data into actionable insights. The seamless integration of the YTS KPI, sales, and profit visualizations within the well-designed dashboard contributes to a user-friendly and impactful data-driven solution for healthcare professionals, policymakers, and stakeholders in the US public healthcare domain.

Problem Statement

The healthcare industry in the USA faces challenges in effectively analyzing and utilizing patient data to drive informed decision-making. The absence of a comprehensive and user-friendly visualization tool hinders healthcare professionals and policymakers from gaining valuable insights and understanding the dynamics of patient-related metrics, sales, and profitability. There is a need for a data-driven solution that integrates key performance indicators, sales, and profit visualizations into a cohesive dashboard to address this problem.

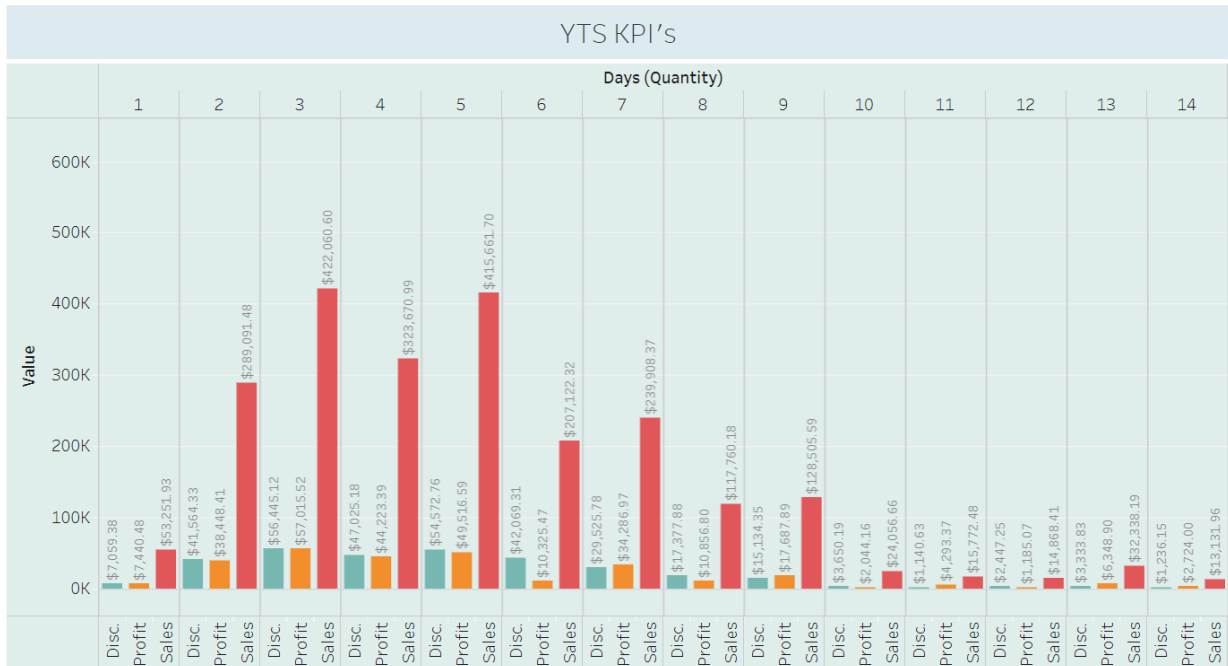
Objective and Deliverables

- Develop a robust data visualization solution that integrates key performance indicators, sales, and profit visualizations to provide a comprehensive view of patient data in the USA healthcare industry.
- Create a user-friendly and intuitive dashboard interface that allows stakeholders to easily navigate and interpret the visualizations, facilitating data-driven decision-making and strategic planning.
- Analyze patient-related trends, revenue patterns, and profitability indicators using the visualizations to derive actionable insights and enhance understanding of the patient landscape.
- Enable healthcare professionals and policymakers to make informed decisions by effectively communicating complex patient data through clear and impactful visualizations.
- Improve efficiency and effectiveness in utilizing patient data by providing a centralized and easily accessible platform for data exploration and analysis in the healthcare industry.

Tableau Visualizations

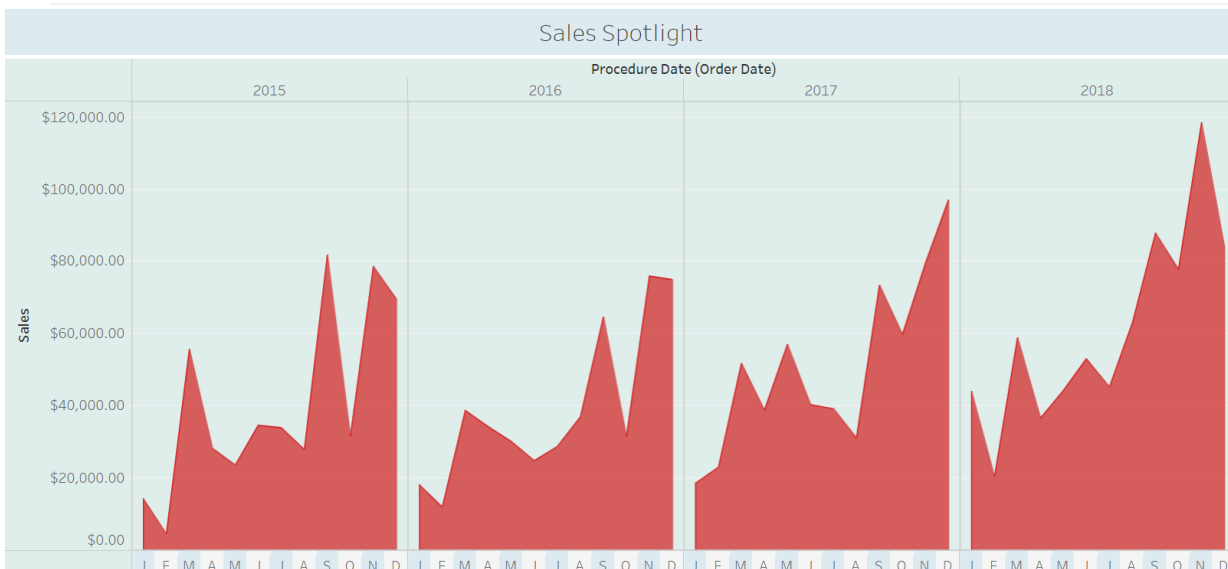
1. YTS Key Performance Indicators

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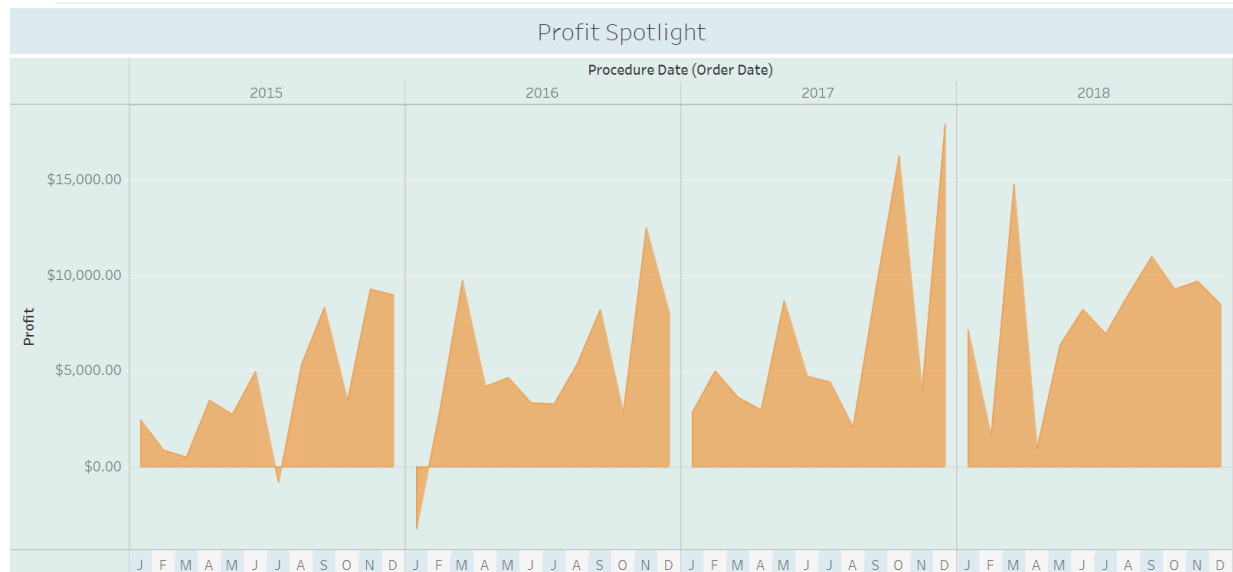
2. Sales Spotlight Area Graph

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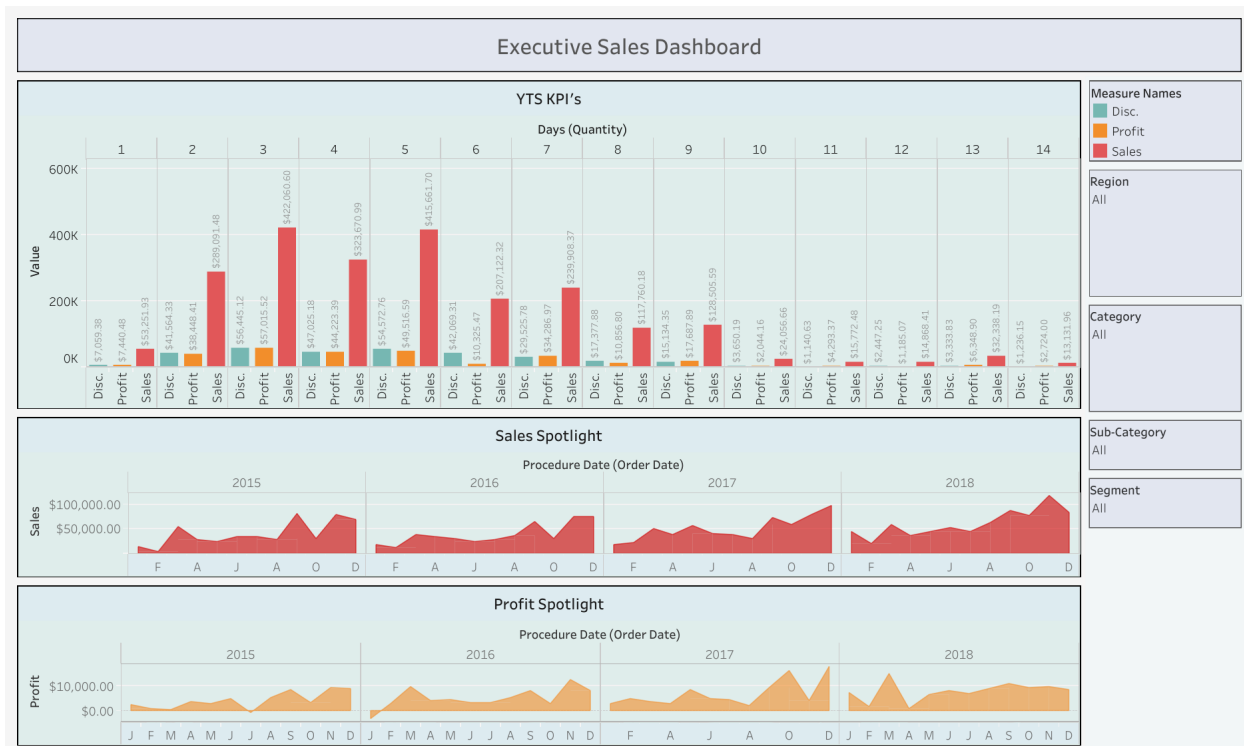


3. Profit Spotlight Area Graph

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4. Final Dashboard



Conclusion and Future Scope

In conclusion, this project on analyzing the USA public patient dataset and creating visualizations has been a significant endeavor in exploring the healthcare landscape and deriving valuable insights. Through the implementation of various visualizations, including YTS KPI, sales, and profit visualizations, and the development of a comprehensive dashboard, we have successfully gained a deeper understanding of the dataset and its implications.

The project has showcased the power of data visualization in uncovering patterns, trends, and relationships within patient data. By leveraging the visual representations, we were able to identify key performance indicators, analyze sales patterns, and assess the profitability of different aspects of the healthcare system. These insights can contribute to informed decision-making, resource allocation, and strategic planning within the healthcare industry.

The development of the dashboard has facilitated a user-friendly and interactive platform for exploring visualizations. The integration of multiple visualizations in a single interface provides a holistic view of the data and allows for seamless navigation and analysis. This dashboard serves as a valuable tool for healthcare professionals, policymakers, and researchers in gaining actionable insights and making data-driven decisions.

In conclusion, this project has demonstrated the importance of data analytics and visualization in the healthcare sector. The visualizations and dashboard were developed to provide a comprehensive and intuitive means of analyzing and interpreting the USA public patient dataset. By leveraging these tools, stakeholders can make informed decisions, optimize resource allocation, and ultimately contribute to improving healthcare outcomes.

Overall, this project has been a rewarding and enlightening journey, and we look forward to further exploring the potential of data analytics and visualization in addressing real-world challenges in healthcare and beyond.

Appendix – Workbook File

Kindly Check the Live Working Dashboard - [Tableau Workbook Link](#)