

2024

Coding Temple

Capstone 1



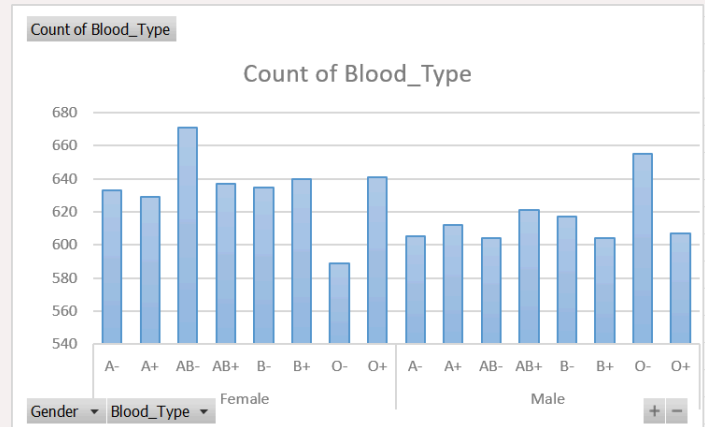
Intro

This project focuses on analyzing healthcare data to uncover patterns and insights related to patient demographics, medical conditions, and hospital admission details. With this data we can uncover what needs more investment too and keep not of age groups. We take a look at Gender, Blood Type, Medical Conditions, Doctor, Insurance, etc. As a result I think we will keep noting that certain medical conditions are more prevalent in specific age groups and genders. Additionally, I expect that emergency admissions are more frequent than elective or urgent admissions. conditions.

Info(data)

SQL (Structured Query Language) is a vital tool for data analysis, enabling efficient querying and management of relational databases. It offers powerful features such as data retrieval (**SELECT**), filtering (**WHERE**), grouping (**GROUP BY**), and table joins (**JOIN**). Its standardized syntax ensures compatibility across various database systems, making it indispensable for data analysts and developers to extract valuable insights and support informed decision-making.

Certain medical conditions often occur in specific age groups and genders. For example, conditions like diabetes and arthritis are more common in older age groups, while asthma may be more prevalent among younger patients.



Gender	Blood_Type	Count of Blood_Type
Female	A-	633
Female	A+	629
Female	AB-	671
Female	AB+	637
Female	B-	635
Female	B+	640
Female	O-	589
Female	O+	641
Male	A-	605
Male	A+	612
Male	AB-	604
Male	AB+	621
Male	B-	617
Male	B+	604
Male	O-	655
Male	O+	607

Conclusion

After viewing the detailed data, we can now understand the relationship between age and hospital visit frequency.

Observational data and SQL analyses reveal a clear correlation between increasing age and the frequency of hospital visits.

Specifically, our data indicates that individuals begin to experience a notable increase in hospital visits starting at age 50. This insight allows for a more targeted approach in healthcare planning and resource allocation.

We have other attachments to look at for more numerical detail

- Capstone 1 excel
- Capston 1 SQL