

Drug Classification – Power BI Dashboard Summary

Team: Data Crafters

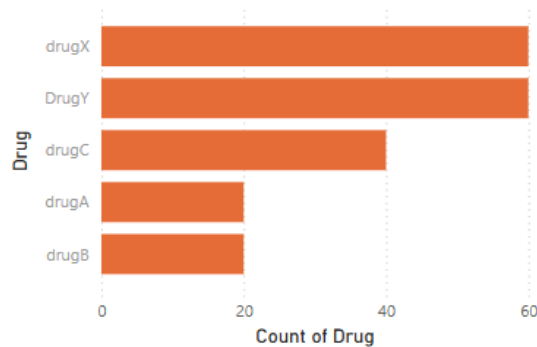
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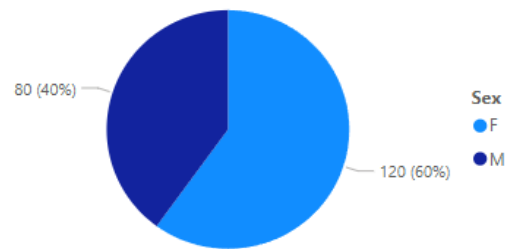


Power BI Dashboard

Distribution of Prescribed Drugs



Gender Distribution of Patients



Filter by Sex

- ☐ F
- ☐ M

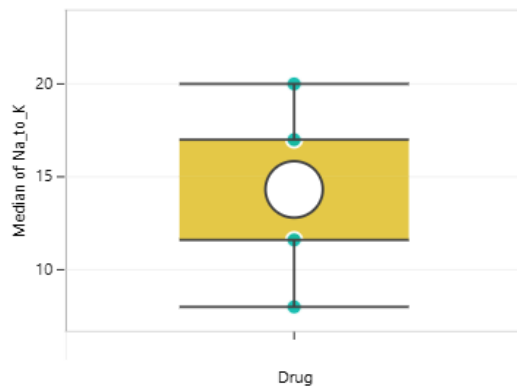
Filter by Blood Pressure

- ☐ HIGH
- ☐ LOW
- ☐ NORMAL

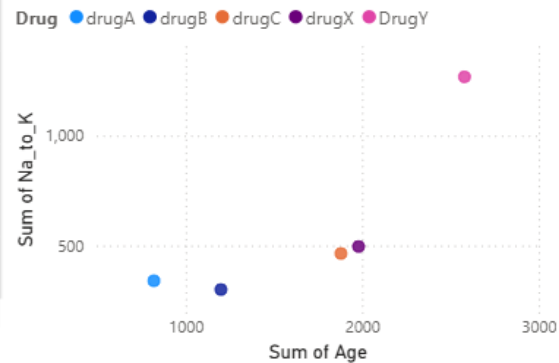
Filter by Cholesterol

- ☐ HIGH
- ☐ NORMAL

Sodium-Potassium Ratio by Drug



Age vs Sodium-Potassium Ratio (by Drug)



Key Insights

- Majority of patients are prescribed Drug Y.
- Patients with HIGH blood pressure mostly receive Drug A.
- Drug X and Drug A are linked with low Sodium-Potassium ratio.
- Males slightly outnumber females in this dataset (60% vs 40%).

Dashboard Insights

- ♦ Na_to_K is the most impactful feature for drug prediction.
- ♦ Scatter plot shows higher Na_to_K \rightarrow DrugC/DrugX.
- ♦ Patients with high BP + high Na_to_K often receive DrugY.
- ♦ Pie chart: DrugA is most prescribed.
- ♦ Interactive filters (Sex, Cholesterol, BP) enable deep exploration.

Features Highlighted in Dashboard

✓ Interactive
filters: BP,
Cholesterol, Sex

✓ Tooltips for
data details on
hover

✓ Color-coded
categories for
clarity


✓ Clear chart
titles, legends, and
dynamic
responsiveness

Model Summary




 Model Used:
RandomForestClassifier



 Accuracy: ~100% (on
test data)



 Confusion Matrix &
Feature Importance
highlight Na_to_K