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AUOGE CASE STUDIES

INTELLIGENT AUTOMATION: TRANSFORMING
HEALTHCARE OPERATIONS



CASE STUDY 4

HYPERTENSION PREDICTION

Beyond Clinical Data

Predicting hypertension risk using lifestyle and behavioral patterns from retail data. This solution employs advanced ML models and resampling techniques to handle imbalanced outcomes, ensuring accurate detection of high-risk individuals.

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HYPERTENSION PREDICTION

GOAL AND KEY POINTS

Enable proactive interventions for preventive healthcare.

- **ML Framework:** AutoML, XGBoost
- **DataProcessing:** Pandas, Geopandas, Pyspark
- **Visualization:** Tableau
- **Deployment:** Databricks

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THANK YOU!

FOR Questions and Discussion

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