

DAILY ENERGY PATTERN ANALYSIS USING WEARABLE TECH



Objective

My project aims to harness the power of big data to analyze daily energy expenditure patterns from wearable tech data. This will enable users to optimize their daily routines for enhanced health and productivity.

Scope: Utilizing Cloudera's data management capabilities, we will collect, store, and analyze vast amounts of user data in real-time. We will compare MongoDB and Cassandra DB to determine the best fit for our needs based on performance, scalability, and ease of use.

Importance: In a world where personal health is becoming increasingly data-driven, our project stands out by providing actionable insights into energy usage patterns, potentially revolutionizing personal health monitoring and activity scheduling.



- **Health Outcomes:**

- Anticipated impact on individual lifestyle management through tailored activity and diet plans.
- Improved health monitoring with alerts for energy dips potentially indicating health issues.

- **Innovative Enhancements:**

- Integration of AI to predict future energy levels based on historical data.
- Anomaly detection algorithms to flag deviations from normal patterns, prompting health check-ups.



The background features a dark navy blue gradient with a subtle geometric pattern. It consists of several large, semi-transparent blue cubes arranged in a staggered, overlapping fashion across the top half of the image. These cubes have thin white outlines and are filled with a light blue gradient. Interspersed among the cubes are smaller, solid blue triangular shapes pointing to the right. The overall effect is a modern, architectural feel with a sense of depth and perspective.

THANK YOU