

Machine Learning with Python

MENTAL HEALTH ANALYSIS IN CAMBODIA USING MACHINE LEARNING

Identifying Key Indicators and Patterns

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Why I Chose This Project

Mental health is often misunderstood in Cambodia

I wanted to explore a data-driven solution

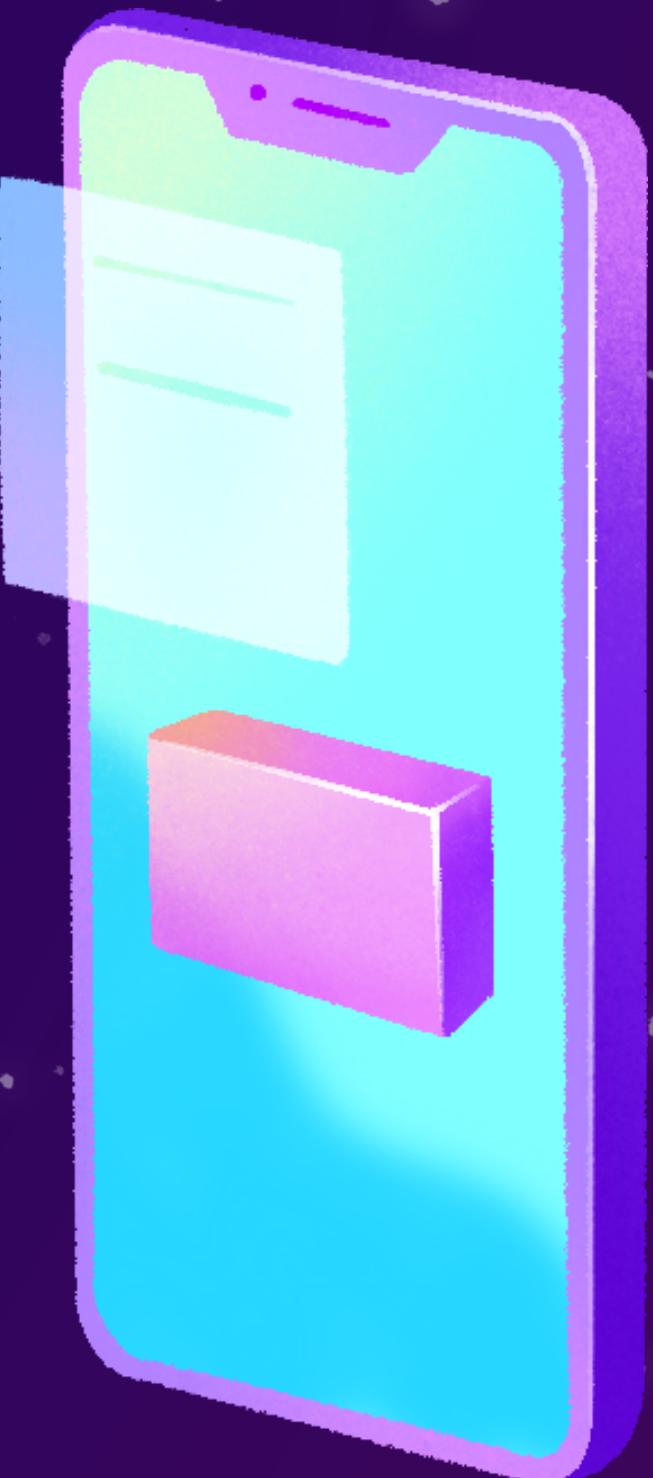
Many people don't seek help

What I Wanted to Find Out

- What are common mental health issues?
- What factors are linked to risk?
- Can data predict mental health risk?

Where I Got the *Data*

- SYNTHETIC DATA, BASED ON REAL REPORTS
- SURVEY INCLUDES AGE, GENDER, TRAUMA, ANXIETY, ETC.



What Is Machine Learning?

- Like teaching a child to recognize sad faces
- Machine learns from examples
- Used: Logistic Regression model

How Well Did It Work?

88% accuracy

Top signals:
trauma, income, support

Why This Matters

- Help NGOs reach people faster
- Use in health apps or schools
- Safe, local tech solutions

What's Next?

PARTNER WITH NGOS

ADD SLEEP AND SOCIAL MEDIA
DATA

BUILD A WEB APP



*"Mental health is not a destination,
but a process. It's about how you
drive, not where you're going."*

— Noam Shpancer, Ph.D.

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THANK YOU

 GITHUB REPOSITORY: [MENTAL HEATH ANALYSIS IN CAMBODIA](#)