

ALDAWWAVE

**YOUR COMPANION IN OUTSMARTING THE SUN WITH
BETTER TIMING!**

**NARANASAN MO NA BANG MA-STUCK
SA TRAFFIC HABANG BUMABIYAHE?**

**NARANASAN MO NA BANG MA-
STUCK SA TRAFFIC NANG ILANG
ORAS HABANG TIRIK ANG ARAW?**

PROBLEM

In rapidly urbanizing areas like Angeles City, Pampanga commuters face increasing health risks such as heat stress and dehydration due to rising temperatures and long exposure to the sun—especially during summer.



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IPO DIAGRAM

INPUT

- Origin/Starting Location
- Destination/Target Location
- Travel Date
- Preferred Arrival Time
- Predefined travel duration



PROCESS

1. Collect weather data from OpenMeteo.
2. Simulate multiple travel times.
3. Analyze heat exposure.
4. Generate recommendations.



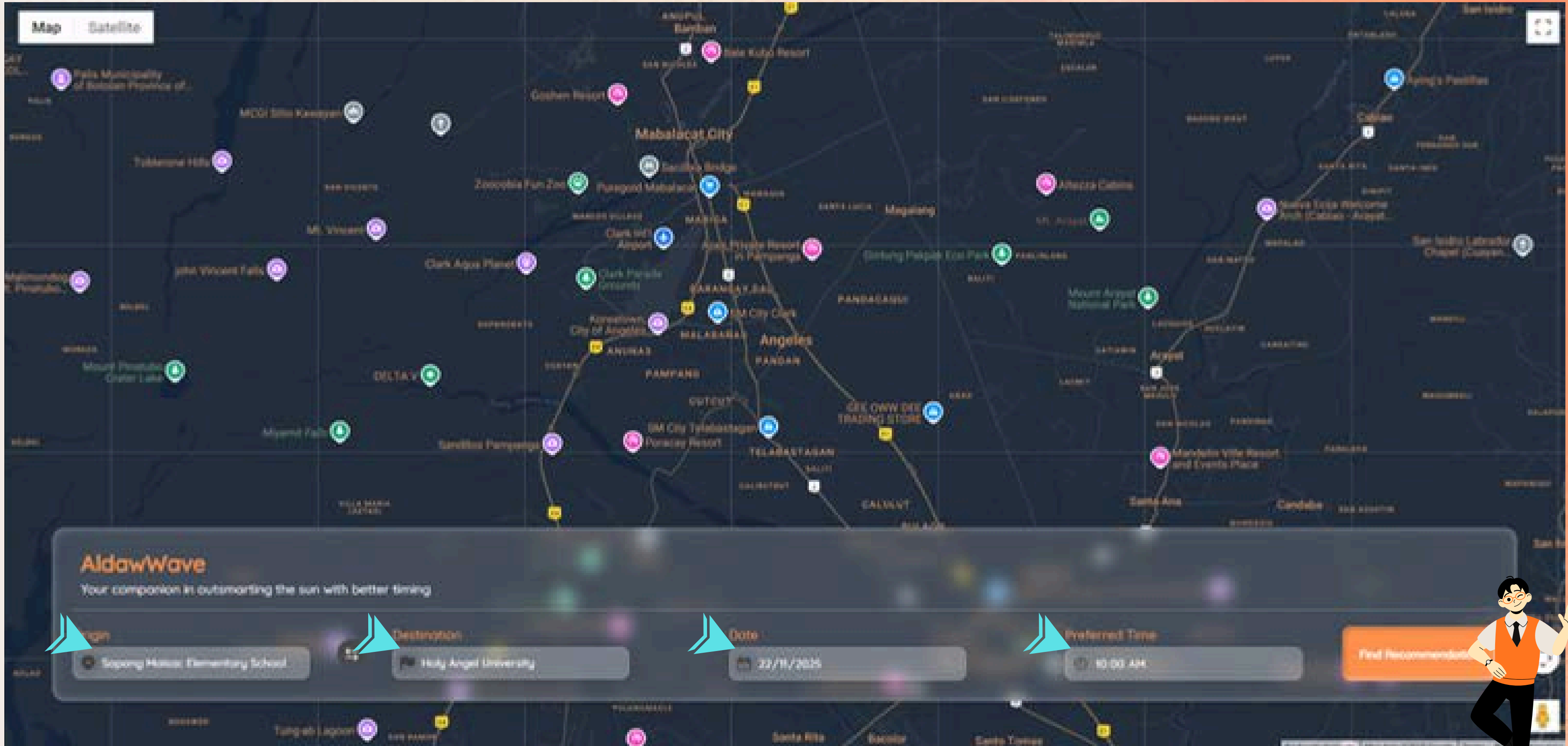
OUTPUT

- Recommended travel times.
- AI-Generated travel tip
- Heat index graph

SAMPLE SCENARIO

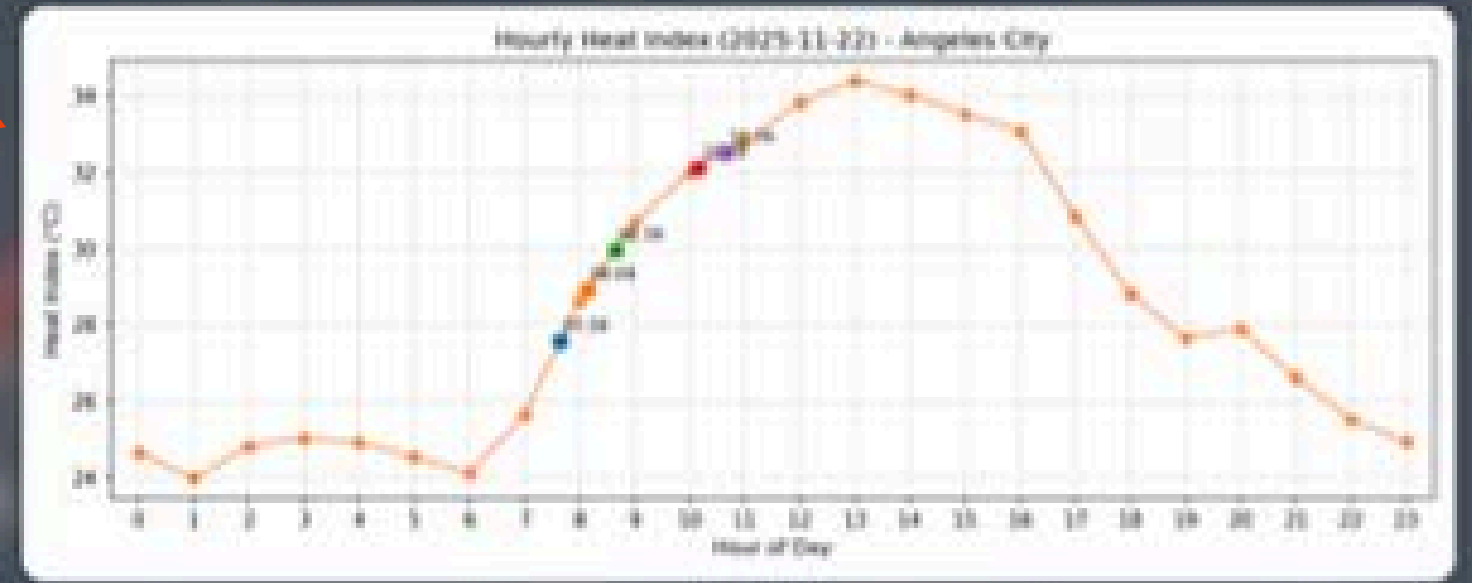
Juan is a resident of Sapang Maisac, Mexico, Pampanga. He is a college student and needs to go to Holy Angel University for his 10 AM class.









**Travel Tip**

For a comfortable commute to Holy Angel University, I recommend two departure times. First, leave at 07:30 AM (Option 1). This is the best choice to arrive by 10:00 AM while avoiding the worst of the heat. Additionally, the departure time of 07:30 AM has the lowest heat index of all the options provided.

08:30 AM

10:00 AM

10:30 AM



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