

*basic elements of weather!*

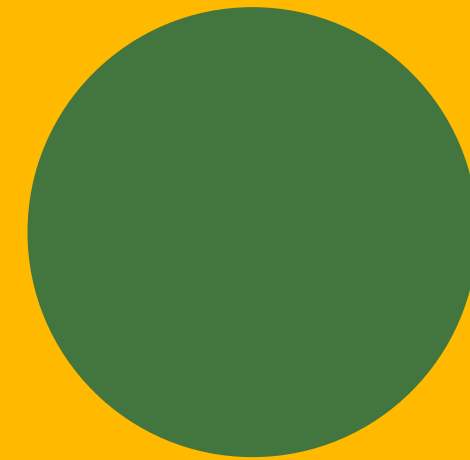
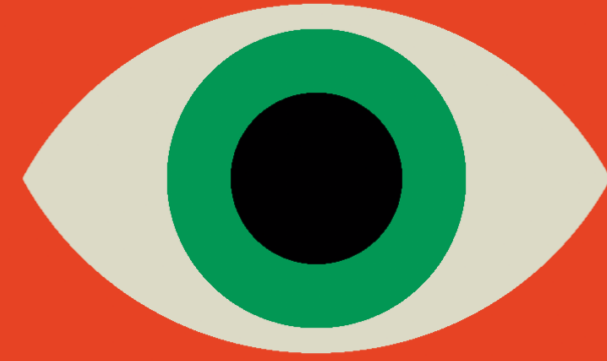
# HORO SCOPE

team name: catnip สกนป



# OBJECTIVE

TO OBSERVE, MEASURE,  
AND RECORD THE BASIC  
ELEMENTS OF WEATHER  
AND DISPLAY TO USER



# DATA

## **PRIMARY**

(1)TEMPERATURE

-> KIDBRIGHT

## **SECONDARY**

(2)PM2.5

-> [HTTPS://AQICN.ORG/API/](https://aqicn.org/api/)

(3)RAINFALL 6HOUR

-> [HTTPS://WWW.TOMORROW.IO/WEATHER-API/](https://www.tomorrow.io/weather-api/)

(4)UV INDEX EG. MODERATE

-> [HTTPS://WWW.OPENUV.IO](https://www.openuv.io)









# WHAT WILL YOUR API PROVIDE TO USERS?

PROVIDE INFORMATION, SO USER CAN KNOW:

- SHOULD I BRING AN UMBRELLA OUT TODAY? -> USING RAINFALL
- SHOULD I HAVE MORE PROTECTION TO PREVENT PM 2.5? -> USING PM2.5
- SHOULD I WEAR WARMER CLOTHES? -> USING TEMP
- SHOULD I WEAR SUNSCREEN? -> USING UV INDEX
- RECOMMENDED PROTECTION -> USING UV INDEX INFORMATION



	US AQI Level		PM2.5 ( $\mu\text{g}/\text{m}^3$ )	Health Recommendation (for 24hr exposure)
	Good	0-50	0-12.0	Air quality is satisfactory and poses little or no risk.
	Moderate	51-100	12.1-35.4	Sensitive individuals should avoid outdoor activity as they may experience respiratory symptoms.
	Unhealthy for sensitive groups	101-150	35.5-55.4	General public and sensitive individuals in particular are at risk to experience irritation and respiratory problems.
	Unhealthy	151-200	55.5-150.4	Increased likelihood of adverse effects and aggravation to the heart and lungs among general public.
	Very Unhealthy	201-300	150.5-250.4	General public will be noticeably affected. Sensitive groups should restrict outdoor activities.
	Hazardous	301+	250.5+	General public at high risk to experience strong irritations and adverse health effects. Everyone should avoid outdoor activities.



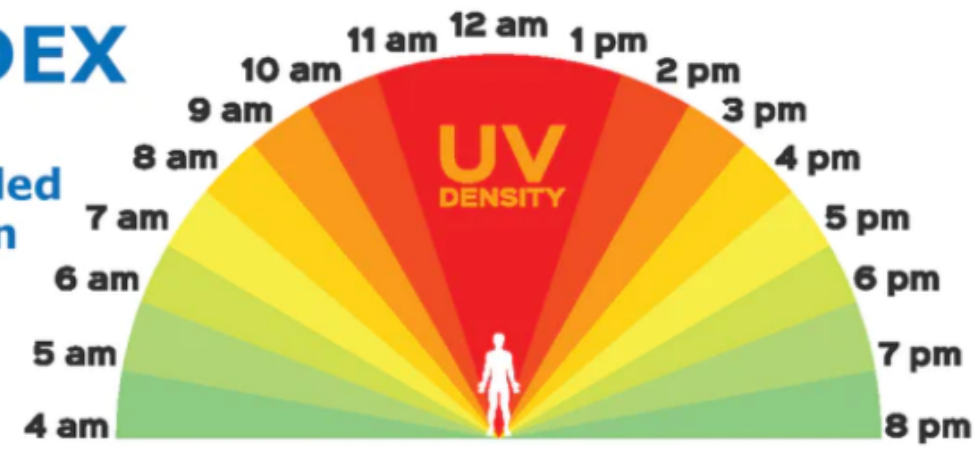


UV index  1	UV index  2	UV index  3	UV index  4	UV index  5	UV index  6	UV index  7	UV index  8	UV index  9	UV index  10	UV index  11+
Low		Moderate			High		Very high			Extreme
You can safely stay outside!		Seek shade during midday hours! Slip on a shirt, slop on sunscreen and slap on a hat!					Avoid being outside during midday hours! Make sure you seek shade! Shirt, sunscreen and hat are a must!			





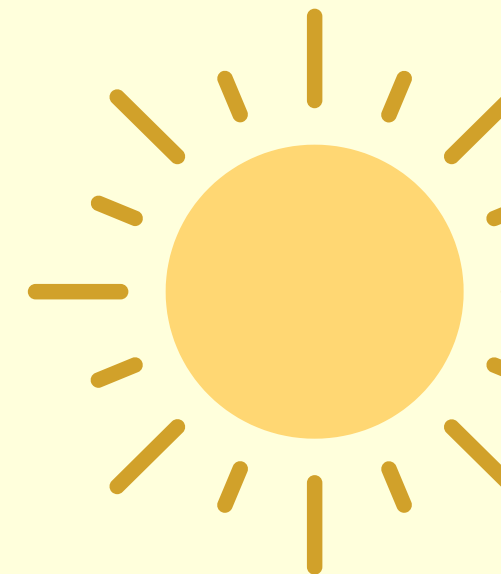
# UV INDEX VS Recommended Protection



1	2	3	4	5	6	7	8	9	10	11
Low		Moderate			High		Very High			X Extreme

Use Miami Beach Body's Ecological Sun Protection Products					
Wear UV-Blocking Sunglasses					
Wear a Sun-Protective Hat					
Wear Miami Beach Body's Sun-Protective Clothing					
Stay in the Shade Near Mid-Day					
Stay in the Shade and Reduce Time in the Sun					
Try to avoid The Sun between 10 AM - 2 PM					
Stay out of the Sun Completely					





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