# Proposal Project 2

## Presentation

**Subject**: Provide UV index and temperature information for WA

**Questions**:

1. Has the UV index increased over time?
2. Does the temperature affect the UV rating?

**Data**:

Searched for Weather API’s. There are a few options but they are mostly paid or free for only a month. We chose OpenWeathermap as it is free and has the UV rating and temperatures available.

Articles….

**Conclusions**:

**Implications**:

**Tell a good Story!**:

## Technical

**Python Flask powered API which includes creation of API endpoints:**

Use Python Flask to get API for weather articles and put into PostgreSQL database.

**HTML/ CSS, Javascript website:**

* Home page
* About page

**Use at least one new JS library:**

Propose Nivo calendar (https://nivo.rocks/calendar) for historic data visualisation

**Dataset with at least 100 records:**

**Use user-driven interaction:**

Search box & menu with home and about pages

**Include at least 3 views:**

1. Map showing current UV index for WA – possibly add additional map showing temperatures in WA
2. Current weather with search box for location and selection of language
3. Weather articles
4. Historic Weather – UV index & average daily temperatures

