use api to get historical uv index

<https://www.weatherbit.io/api/weather-history-hourly>

Find the 1-7 order polynomials for each days hourly uv index

Model it with ensemble ML, find optimal polynomial

Compare accuracy of LOESS curve and optimal polynomial

Predict max uv index down to the second

Ggplot of sun moving across US, usmap, gganimate

Include longitude and latitude

Gganimate of the polynomial values over time 1:7