Wildfire Data Science Challenge

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(Team: I’ll Figure It Out Later)
Visualizing Historic Data
Leveraging Social Media
Haversine Formula

\[
\begin{align*}
\phi &= \text{latitude} \\
\lambda &= \text{longitude} \\
r &= 3956 \ [mi] \\
\text{hav}(\theta) &= \sin^2 \left( \frac{\varphi_2 - \varphi_1}{2} \right) + \cos(\varphi_1) \cdot \cos(\varphi_2) \cdot \sin^2 \left( \frac{\lambda_2 - \lambda_1}{2} \right) \\
d &= 2r \arcsin(\text{hav}(\theta))
\end{align*}
\]
```python
def get_wildfire_update(zipcode: int, distance_range: float=100, days_ago: int = 0) -> str:
    ...  
    return "On Date [date]:"
    "There are [quantity] reported wildfires within [#] miles of zipcode [#]."
    "The closest reported wildfire is [#] miles [distance]."

client.create_tweet(text=get_wildfire_update(zipcode: 77840, distance_range=100, days_ago=364))
```
Raspberry Pi
On April 11, 2022:
There are 2 reported wildfires within 100 miles of zipcode 77840.
The closest reported wildfire is 72.42 miles northeast.

2:01 AM · Apr 12, 2023
Thank you for the opportunity!