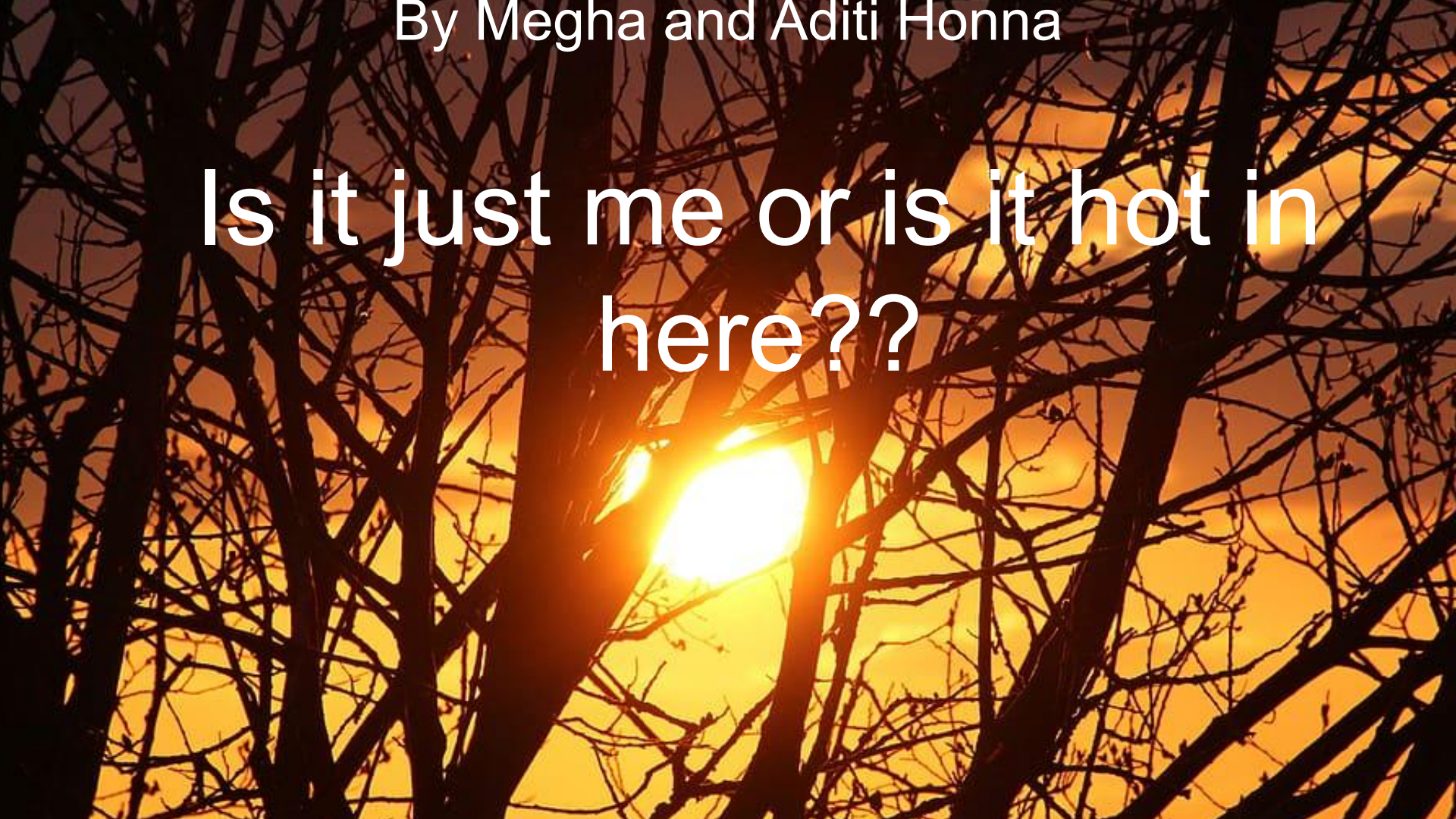


By Megha and Aditi Honna

Is it just me or is it hot in
here??



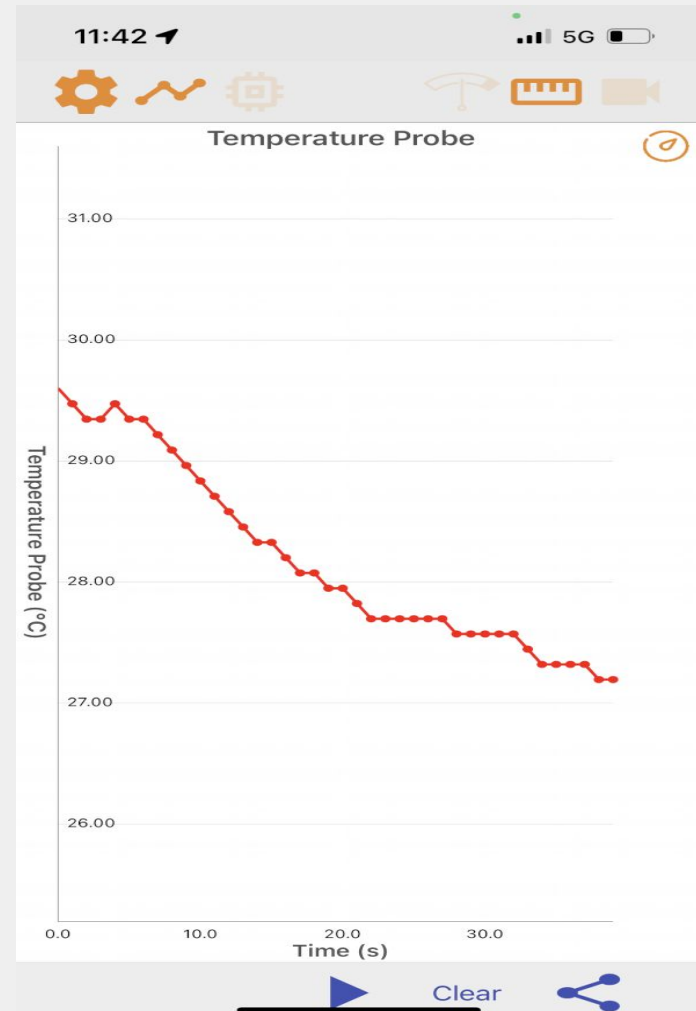
Increases in temperatures

I'm pretty sure we all like hot temperatures because we can chill outside, have ice-cream and be in the pool all day but what if it was hotter than hot? You think that's not bad but it's alarming if you listen quietly and you'll hear whispers of loud activists and environmentalists and now we want to scream it out because nobody's paying attention. Did you?



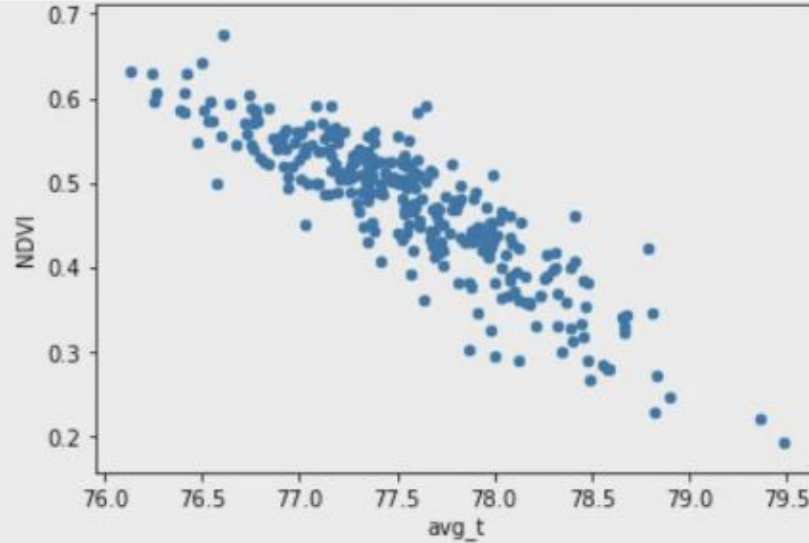
PocketLab experiment

I got a probe kind of device which measured the temperatures around it and what was interesting was that when I was in a open place with lots of sunlight the temperature was rising and high but then the closer I went to a group of trees the probe started showing the temperatures decrease. What does that mean?



What does that mean???

NDVI index tells a lot about plant health and the risk of wildfire. As you can see in the graph, as the temperature rises the NDVI starts decreasing. In most cases, NDVI values between 0.2 and 0.4 correspond to areas with sparse vegetation; moderate vegetation tends to vary between 0.4 and 0.6.



Model to predict NDVI index based on temperatures and alert for action

This machine learning model takes temperature as a input and predicts the NDVI index based on which the farmer can take action to work on the shade for his/her vegetation farm

Tree Shade predictor for Farms



Tree shade

Let's Make It Green

Enter the temperature (in F) from weather

0.00

Submit

Made with love by Aditi and Megha

Resolution

The app that was coded by my mom predicts the required tree shade for the better crop for the farmer. Thank you for reading along:))

