

Daylight Time

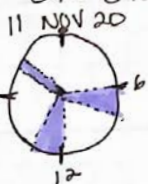
THE DATA: DAYLIGHT SENSOR READINGS COLLECTED WITH AN ADAFRUIT FEATHER HUEZZAH FROM 14-29 SEPTEMBER 2020. READINGS WERE TAKEN EVERY 3 SECONDS AND RECORDED VIA WEBHOOKS TO A GOOGLE SHEET. EACH DAY CONSISTS OF 4-5 GOOGLE SHEETS W/ ~2000 RECORDS / SHEET. THIS AMOUNTED TO 106,260 READINGS TOTAL.

(APPROXIMATELY 7590 READINGS / DAY).

DATE/TIME	VALUE
9/16/20 6:00	1000
...	...
9/16/20 12:00	126
...	...
9/16/20 18:00	1024

* MAY BE DIFFERENTIATE THE HOUR'S START, MID, & END WITH A MARK OF SOME KIND.

• ADD USER ACTIVITY TRACKING (MAY BE THROUGH COLOR OR A MEANS OF FILTERING) SO THAT THE USER CAN ASK QUESTIONS LIKE, DO I SPEND MORE TIME WALKING MY DOG IN THE DAYLIGHT HRS OR EVENINGS? HOW DOES



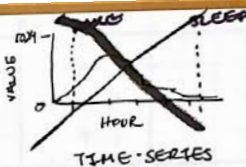
OR NOT CHANGE

THIS CHANGE OVER A PERIOD TIME

THE CONCEPT:



SUN



TIME-SERIES



TIME KEEPING



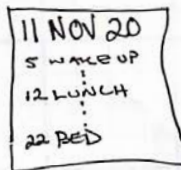
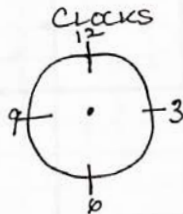
ACTIVITY TRACKING



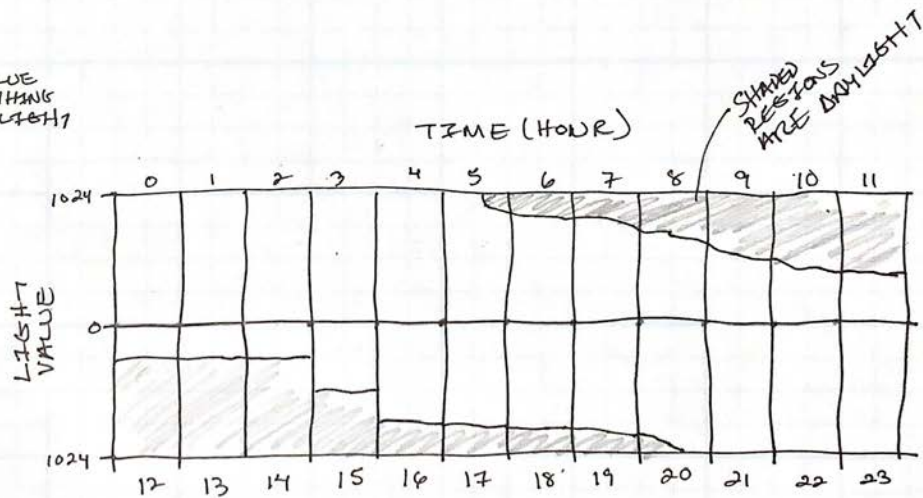
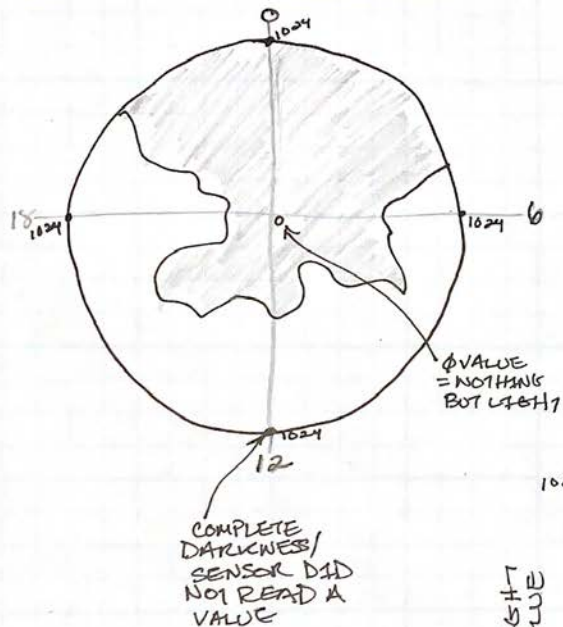
- 1 WHAT IF THE TIME-SERIES OF A DAY COULD BE EXPRESSED DIFFERENTLY?
- 2 HOW COULD AN END USER DEVELOPER CREATE AN INTERACTIVE DASHBOARD TO:

• ILLUSTRATE THE DAYLIGHT TIME-SERIES IN A MANNER MORE CONSISTENT WITH OUR ~~TAKING~~ UNDERSTANDING OF A DAY (A MEAN SOLAR DAY)

CALENDARS / PLANNERS

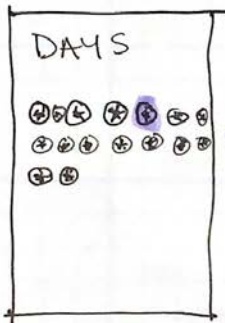


INITIAL PROTOTYPES:



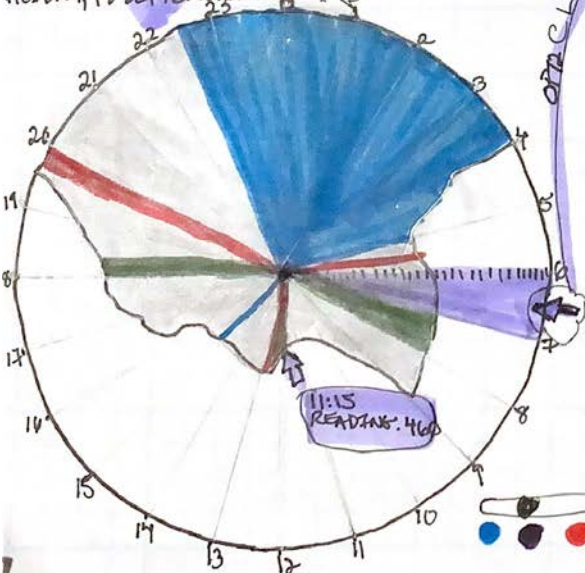
2ND PROTOTYPES "IDEALIZED"

FRIDAY, 18 SEPTEMBER 2020 6:00



CHOOSE TO VIEW THE DAY BY THE HOUR OR AS A WHOLE

FRIDAY, 18 SEPTEMBER 2020



THE MEASUREMENTS OF DAYLIGHT IS RECORDED AS ϕ = COMPLETE LIGHT TO 024 = SENSOR UNABLE TO DETECT DAYLIGHT / COMPLETE DARKNESS.

INSTEAD OF THE CENTERPOINT OF THE CIRCLE READING AS ϕ , MAKE IT READ AS 100%. THIS WAY DAYLIGHT CAN BE EXPRESSED AS LIGHT AREAS AND NIGHTTIME AS DARKER ONES.

TOOLTIP HOVER / SELECT

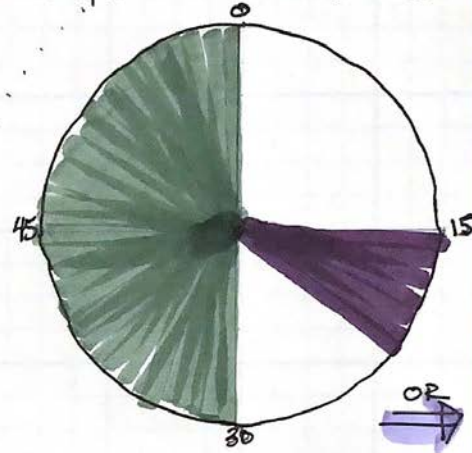
6-7:00
AVERAGE
DAYLIGHT: 730

- MEAL
- TIME OUTDOORS / DOGWALKING
- SLEEP

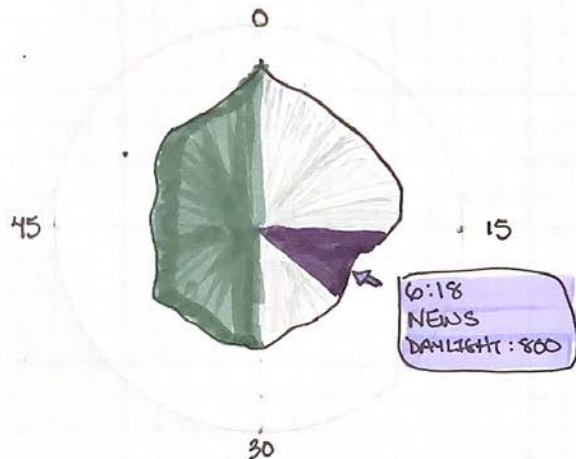
NOTE: THE COLORS USED RIGHT NOW ARE PURELY ILLUSTRATIVE

READ NEWS

MAYBE A SLIDER COULD BE USED TO FILTER ACTIVITY



FRIDAY, 18 SEPTEMBER 2020 6:00



EN RÉALITÉ...

THERE ARE CONSTRAINTS

- ① TIME • THERE'S ONLY ~4 WKS.
- THIS IS 1 OF 3 FINAL PROJECTS. • SLEEP IS IMPORTANT.
 - SO IS NOT SITTING AT A DESK, IN FRONT OF A SCREEN 14+ HOURS OF THE DAY.

- ② ABILITY ("TECHNOLOGICALLY SPEAKING")
- DB IS CHALLENGING! CIRCLES + CURVES IN DB. MORE SO. IT'S LIKELY GOING TO TAKE MOST OF YOUR TIME TO FIGURE THAT OUT. • DO YOU REALLY WANT TO USE ALL OF THE

DATA? SEVEN DAYS WORTH MIGHT BE EQUALLY INTERESTING?!?!

③ WHAT'S MORE ACHIEVABLE?

