First Phase Report!

Proud Cockroaches team

25/06/2021

WHOA!

6 days have passed. Congratulations, you have a day off :>

Take a look at our plan, what we've done so far and the problems to tackle in the next phase.

FULL EXPECTED TIMELINE

We did nothing :))))

FROM THE START TO 19/06

20/06 – 25/06

- Discuss the overall path;
- First baby steps to get used to the process

25/06 – 26-06: day off

26/06 – 01/07

- Mathematical models try-out & data visualization
- Start focusing on answering the questions of this problem

01/07 – 02-07: day off

02/07 – 07/07

- Get to finish the whole project
- Prepare all documents and the final report file

and the last 3 days is, you know, for ambulance situations....

Note: I assume that everyday starts at noon; that's why I denoted the day off as: **(noon of) 25/06 to (noon of) 26/06**. Thus, that is 1 day, not 2 days :P

WHAT WE'VE DONE SO FAR

It's a lot, to be honest. You guys are GREAT.

FOUND THE PATH FOR THIS ASSIGNMENT

Ever wondered why we did nothing in the first 20 days? Because of this!!!! We need a path to follow, and luckily, we found it (presented in the first ever team meeting).

DATA CLEANING

Check, then filter the required entries, make separate datasets for every country... A whole bunch of time went into that process!

LEARN TO USE GOOGLE COLAB

What an amazing toolset for developing in Python language.

LEARN TO USE PYTHON ML SYNTAXES

Though not so many and mostly copied from the Internet, I'm still proud of it. You can, too.

RETRIEVE THE DATA

Need to dig through "every corner of the Internet", LOL. Just kidding, but honestly it was time-consuming and really confused.

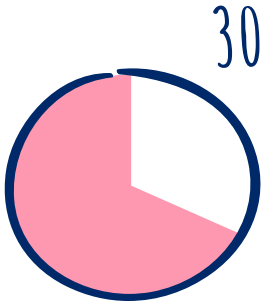
LEARN TO USE SPSS

Only the basics, but useful enough.

LEARN ABOUT "MODEL EVALUATION METRICS"

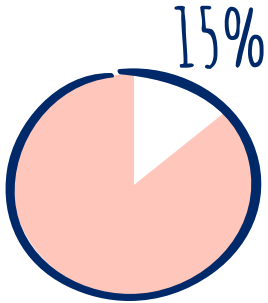
RMS, MSE, RMSE, MAE, MAPE, RMSLE (???) Mind blown....

APPROXIMATE DONE PERCENTAGES



DATA

We still have some more criteria to add to the dataset, and visualization step.



MODEL

So far, all the things we know about forecasting models are limited. Need more work.

CURRENT PROBLEMS/LACKINGS

1. NOT YET DECIDING WHAT WE WANT TO PREDICT

   What a shame :<

2. NOT YET HAVING A QUESTION SET

   We need a set of questions to build visualzations and models based on it.

3. NOT YET DECIDING WHICH OTHER CRITERIA TO CALCULATE OTHER THAN CONFIRMED, DEATH AND RECOVERED

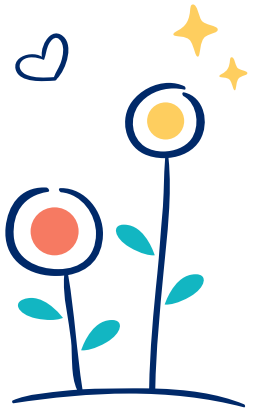
   Yep. You read the title.

4. NOT YET UNDERSTANDING PYTHON MODELS SYNTAXES

   Though we mostly know nothing about Python, I think it is quite easy to catch up. For this project, you don't need to study Python from scratch. The syntaxes are quite understandable.

THE NEXT PHASE: 26/06 - 01/07

In this phase, we need to tackle the remaining problems in the previous slide, and of course, conquer new challenges!



THANKS LMAO