**Basic readme**

Here is the description of all the files

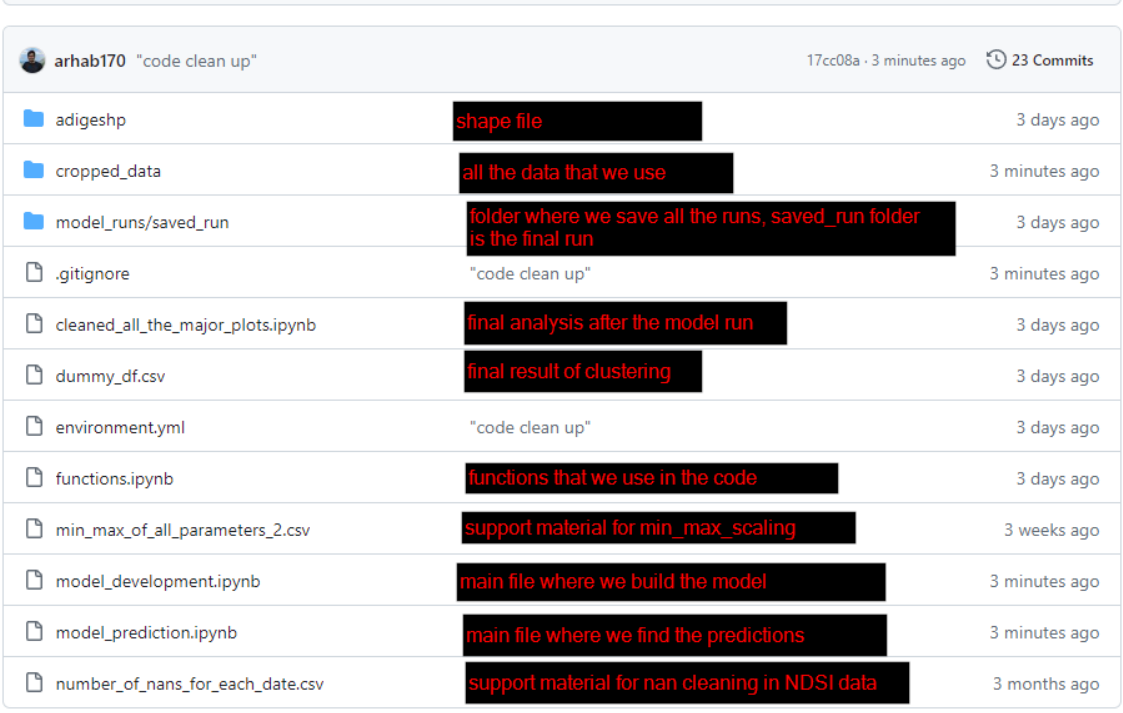
First there is environment.yml to create the same environment as this repository

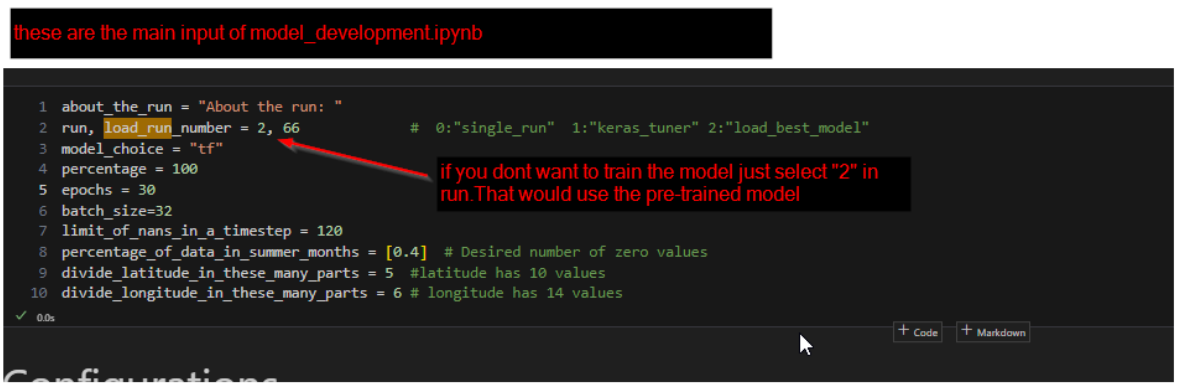
Then go to model_development.ipynb and build the model

And then go to model_prediction.ipynb to find the predictions

The predictions will be saved in the ig_stuff folder which will be created when you run the model_prediction.ipynb file.

And then finally go to cleaned_all_the_major_plots.ipynb to see all the plots that are used in the final results section of the thesis



this is for model_prediction.ipynb

```
about_the_run = "About the run: "
future_type= "_far_future"   #options: "_near_future", "_mid_future", "_far_future"
percentage = 100
model_choice = "tf"
percentage = 1
epochs = 30
batch_size=32
limit_of_nans_in_a_timestep = 120
percentage_of_data_in_summer_months = [0.4]  # Desired number of zero values
divide_latitude_in_these_many_parts = 5  #latitude has 10 values
divide_longitude_in_these_many_parts = 6 # longitude has 14 values
climate_data_folder_name = f"{scenario}{future_type}"
```

[1] ✓ 0.0s

you just have to select which future you want to make predictions, there are three options