Ethics reporting form for EMATM0047

Lead supervisor name: Qiang Liu

Student name(s): Rui Ma

Student ID(s): 2123852

Project title: Weather forecasting

Brief summary of project:

This project analyses weather data and uses it to train regression models to predict temperature and precipitation.

Brief summary of experiments run and data gathered by the student(s):

The experiment data includes energy consumption and weather data from 1979 to 2020. The data features are weather-related, such as sunshine, precipitation, etc. The student used the data to train a model to predict changes in temperature and precipitation.

Has the project been completed and handed in as of today? Yes

If the project has been completed, please indicate one option with an X.

\_\_\_\_\_ This project did not require ethical approval

\_\_X\_\_ This project fell within the scope of the ethics pre-approval process and I have attached the student(s)’ permission form(s)

\_\_\_\_\_ This project has been approved by the faculty ethics committee in a separate application.

\_\_\_\_\_ Other (please give details below)

# Guidance for supervisors

Please email this form to ayush.joshi@bristol.ac.uk by the 15/09/2023 (i.e one week after the dissertation deadline). If the project fell within the scope of the ethics pre-approval process, please also attach your student(s) permission form(s). If they are not available, please choose the “Other” option and give a brief explanation of why.

**Brief summary of the project**: This field is intended to contain any background necessary in order for the rest of the form’s content to make sense. There is no need to write more than a sentence or two.

**Brief summary of experiments run, and data gathered by student(s):** This field is intended to give us a quick idea of whether or not the project is likely to fall under ethics pre-approval process. There is no need to go into detail on methodology, as we should be able to get that detail from the project itself. For example, a sentence reading “Showed project to prospective users and asked for feedback” or “Filmed volunteers doing squats to obtain training data” would be fine. For more detail on what projects are covered by ethics pre-approval process please see the updated project handbook (available on BB). If you have any other questions, please contact ayush.joshi@bristol.ac.uk