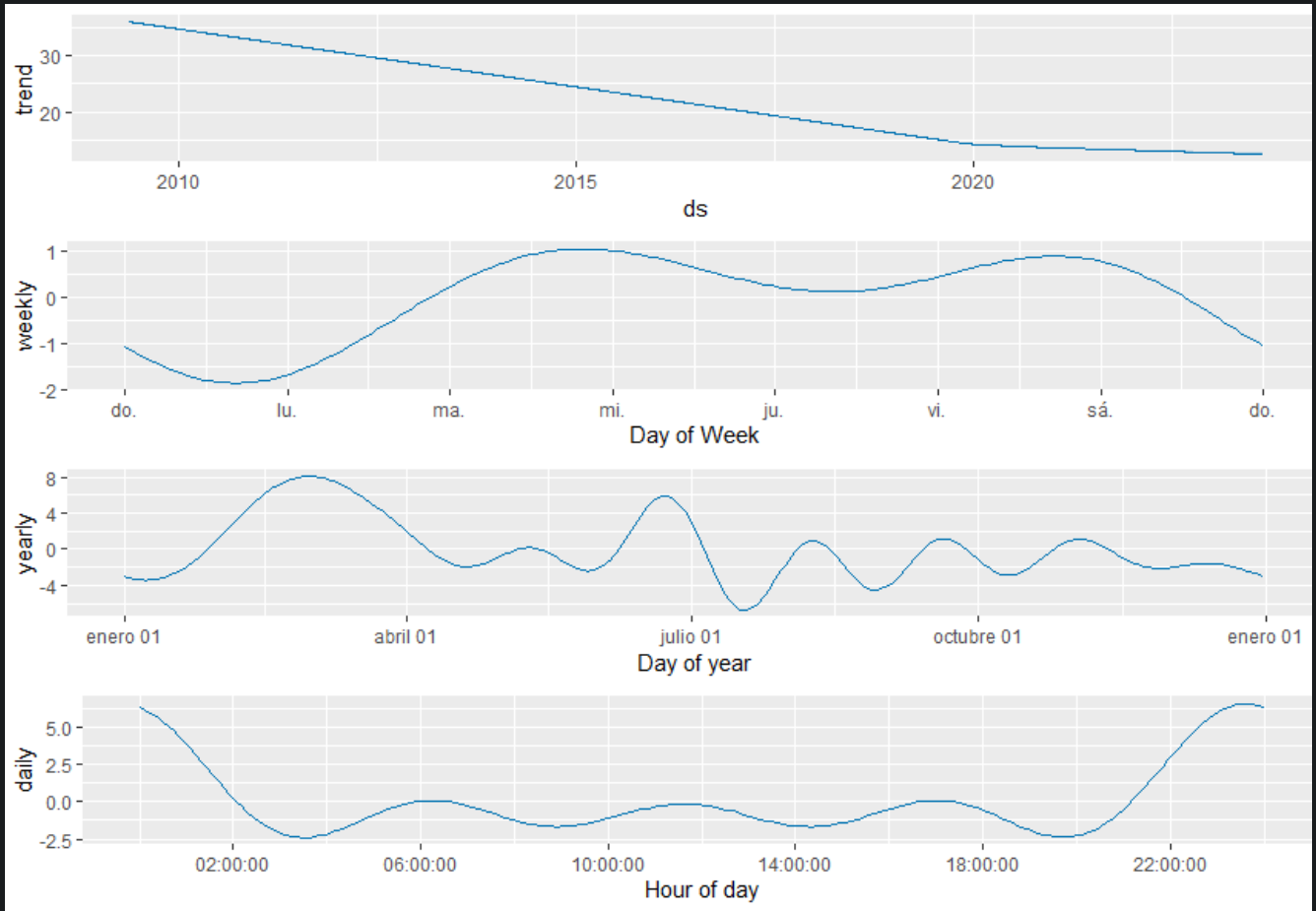


DATA PREDICTION: PROPHET GRAPHICS

GERARD LÓPEZ PUALHAC

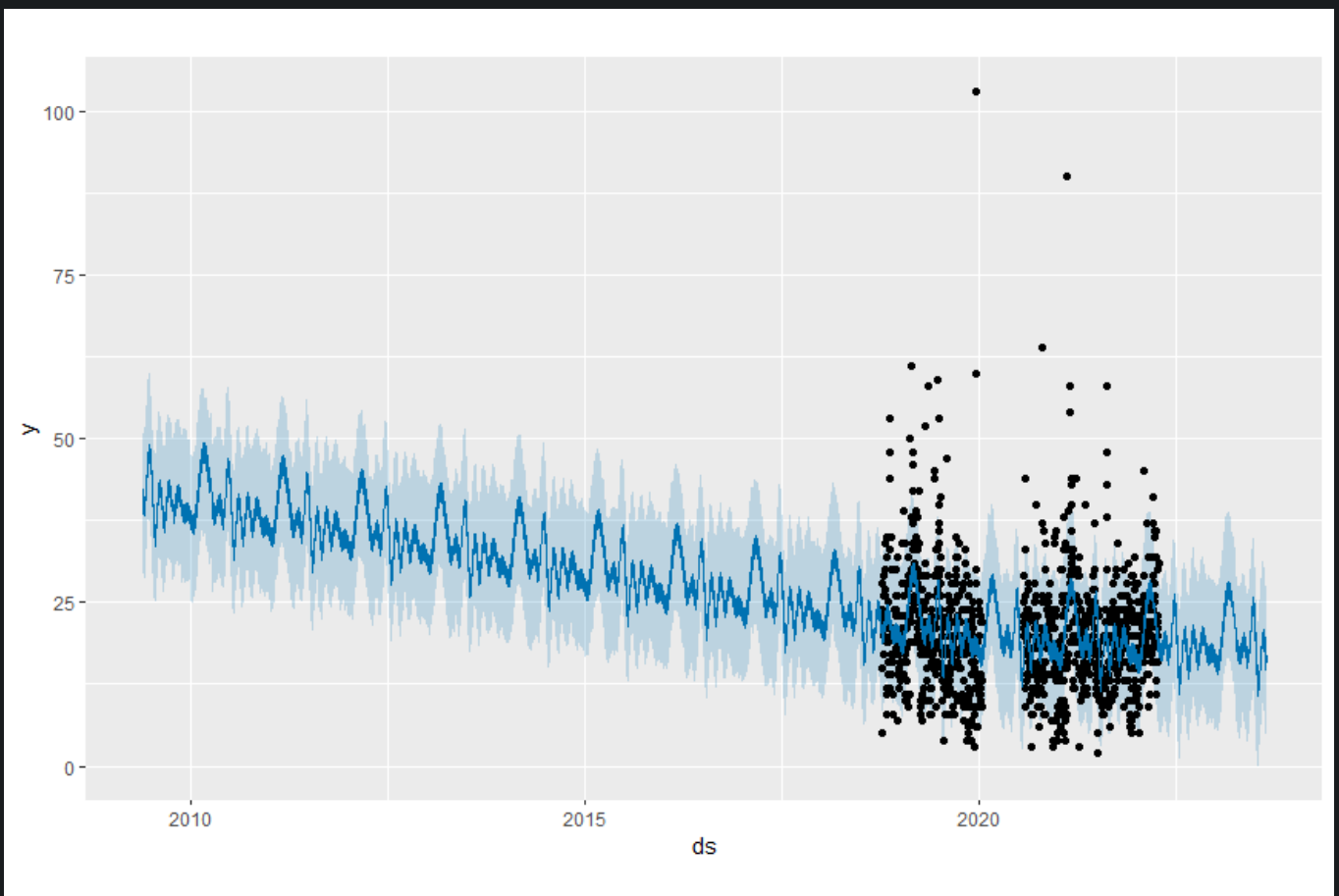
HERE WE CAN SEE DIFFERENT GRAPHS MADE WITH PROPHET IN R STUDIO AND ITS EXPLANATION

GRAPH NO2



IN THIS GRAPH WE CAN SEE THE DIFFERENT CHANGES IN THE CONTAMINATION OF NO2 OVER CERTAIN TIMES. THROUGHOUT THE WEEK WE CAN SEE THAT SUNDAY AND MONDAY ARE THE DAYS WITH LESS POLLUTION, THIS MAY BE DUE TO THE FACT THAT THERE IS LESS USE OF FACTORIES THESE DAYS SINCE THEY ARE USUALLY HOLIDAYS. THROUGHOUT THE YEAR WE SEE HOW MONTHS LIKE MARCH OR JUNE ALSO HAVE GREATER POLLUTION AND LOOKING AT THE TREND WE SEE HOW LITTLE BY LITTLE IT IS REDUCING.

PROPHET



THE CHART SHOWS A DOWNWARD TREND IN VALUE OVER THE YEARS, LEVELING OFF STARTING IN 2018. THE PROPHET MODEL PREDICTIONS MATCH CURRENT DATA AND PROJECT CONTINUED VALUE STABILITY FROM 2022, WITH A SLIGHT DISTURBANCE AT THE END. OF THE PERIOD. IN SUMMARY, A GENERAL STABILITY IN THE VALUE IS OBSERVED, WITH MINIMAL CHANGES IN FUTURE PREDICTIONS.