

Assignment 4 Report

Shivam Bhagat 2015B5A70460H
Abhinav Kumar 2015B5A70674H
Nikhil Madaan 2015A3PS0283H

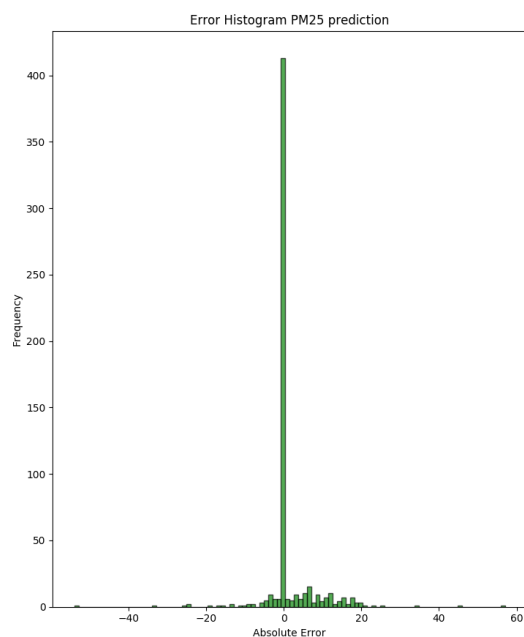
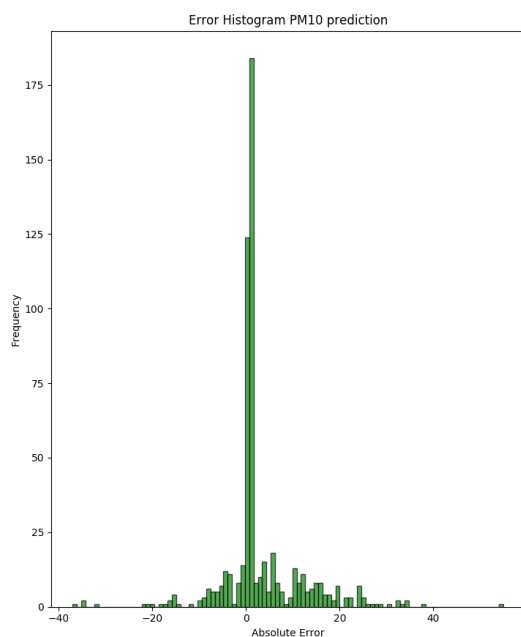
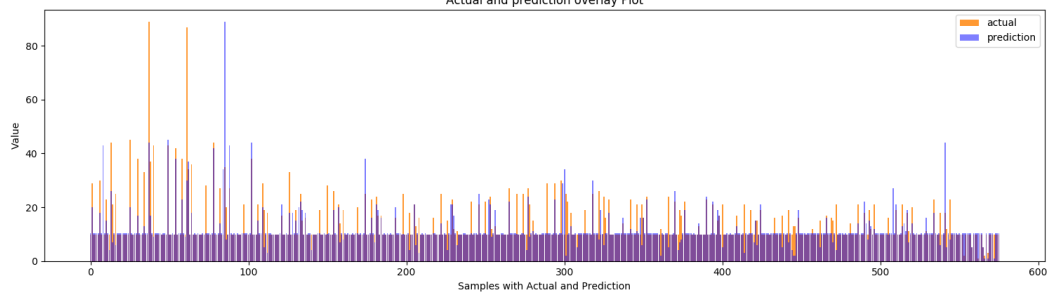
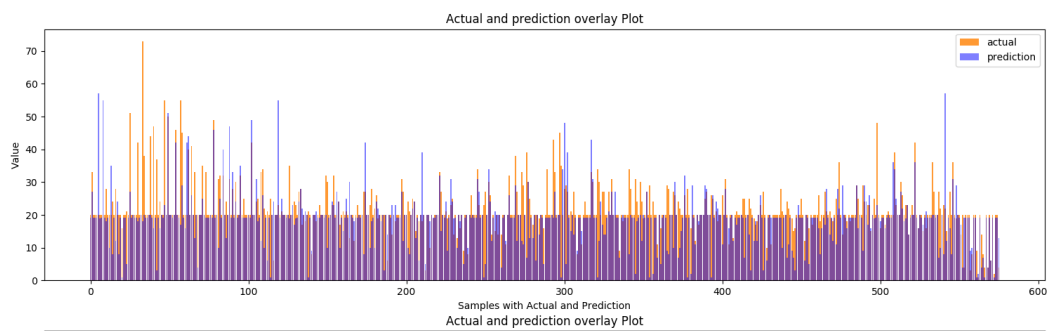
For K =1:

1. Rolling Window:

a. No Normalisation:

The mean Error in PM10 prediction: 5.238769349377339

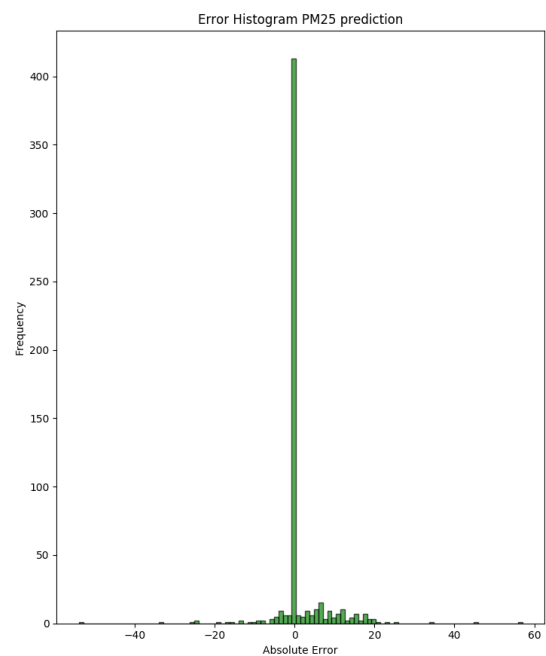
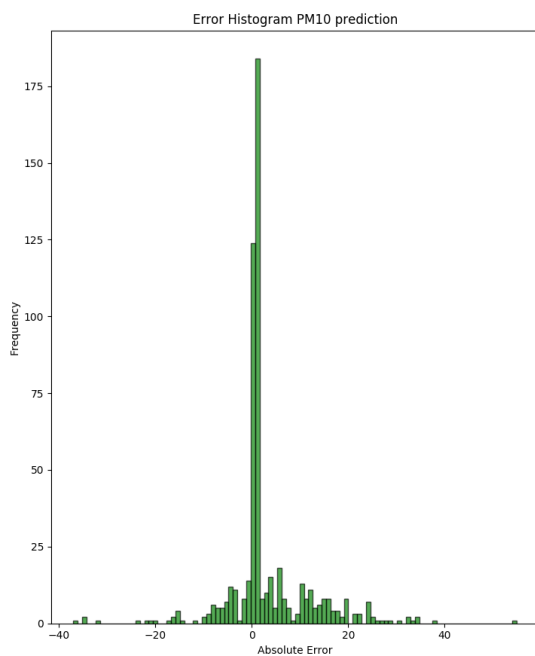
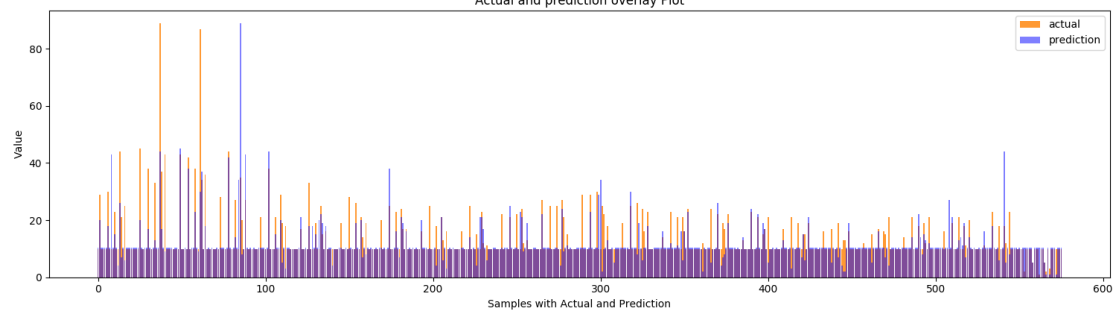
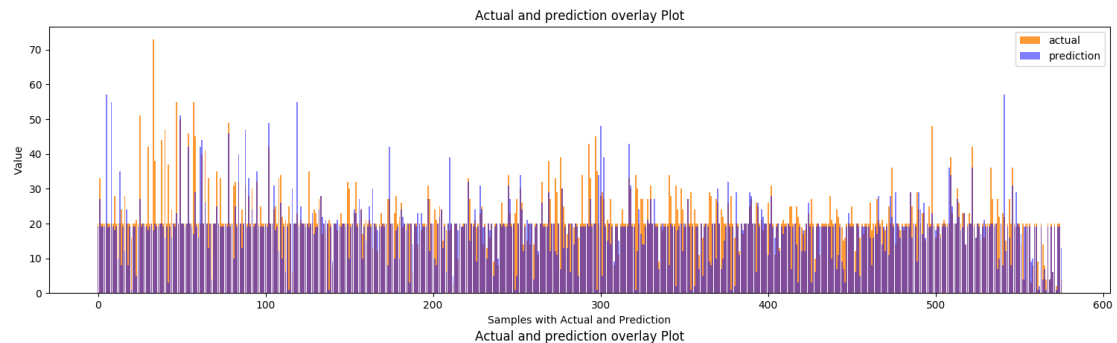
The mean Error in PM25 prediction: 2.993072647871349



b. With Normalisation:

The mean Error in PM10 prediction: 5.24050546048845

The mean Error in PM25 prediction: 2.993072647871349

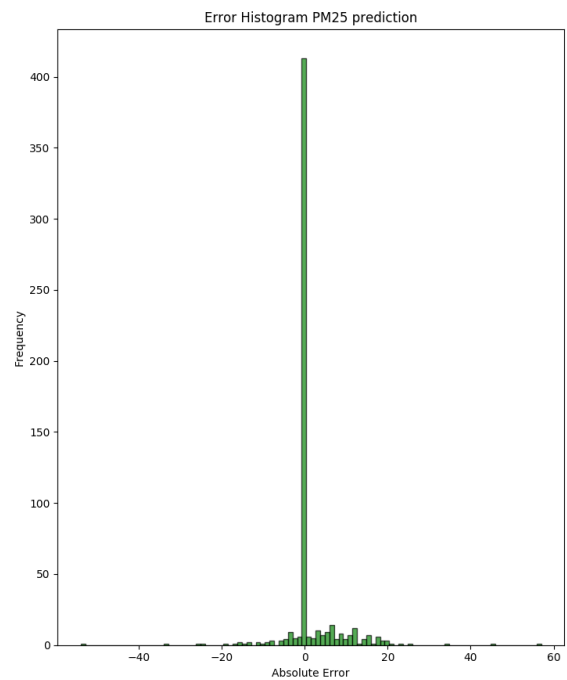
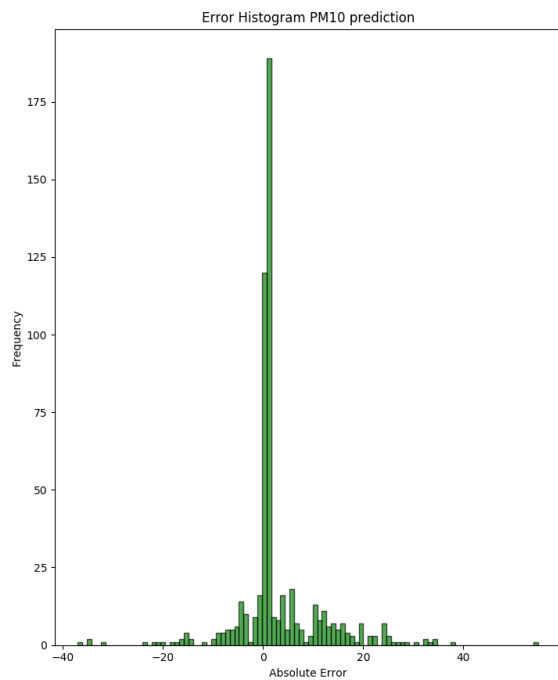
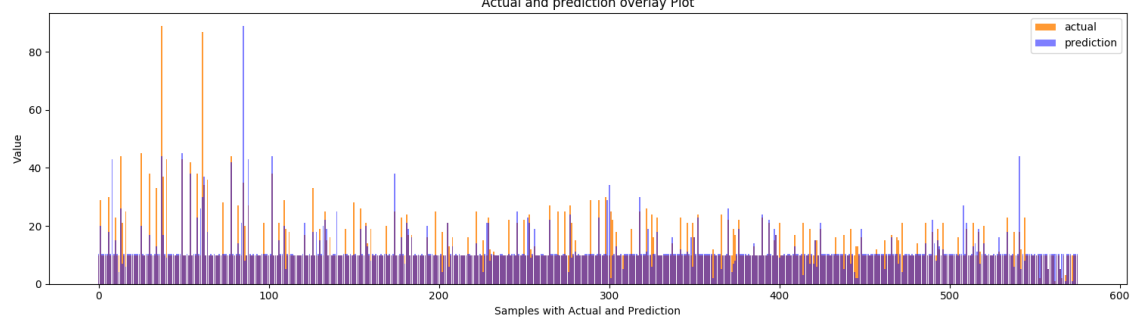
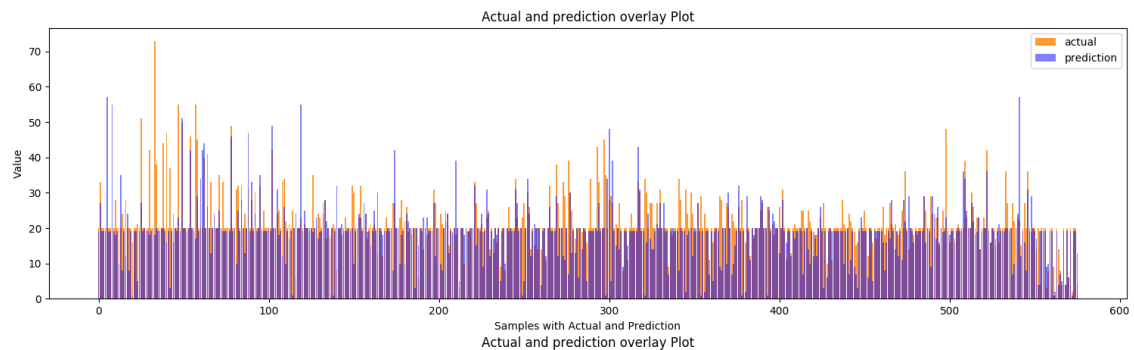


2. Recursive Window:

a. No Normalisation:

The mean Error in PM10 prediction: 5.1715539434259705

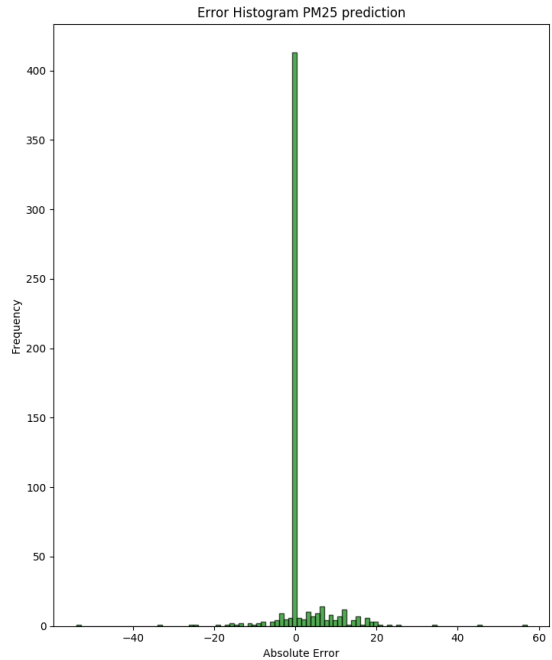
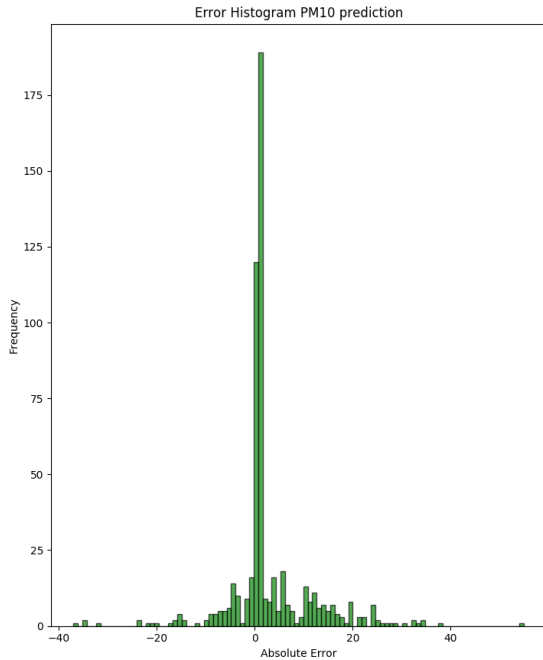
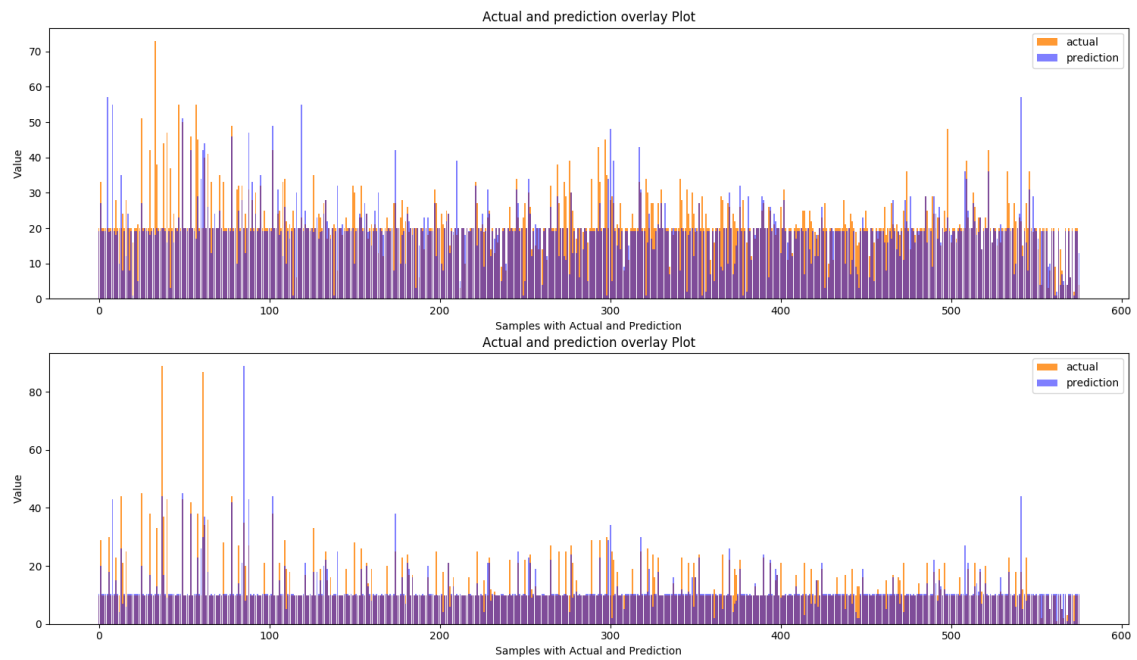
The mean Error in PM25 prediction: 2.979804377341254



b. With Normalisation:

The mean Error in PM10 prediction: 5.173290054537081

The mean Error in PM25 prediction: 2.979804377341254



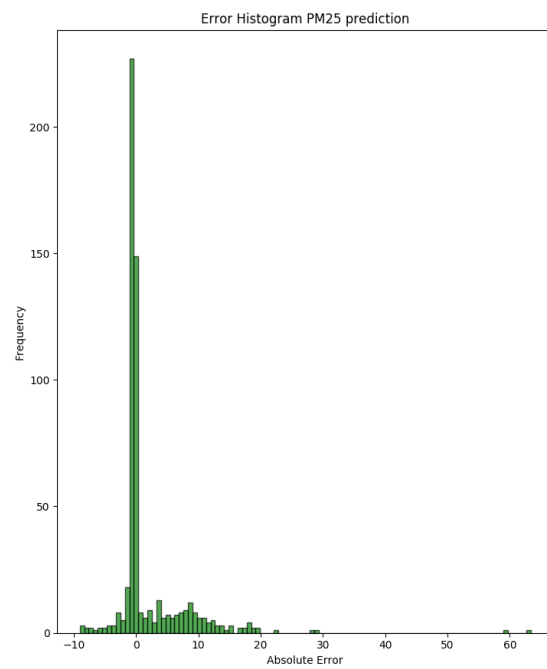
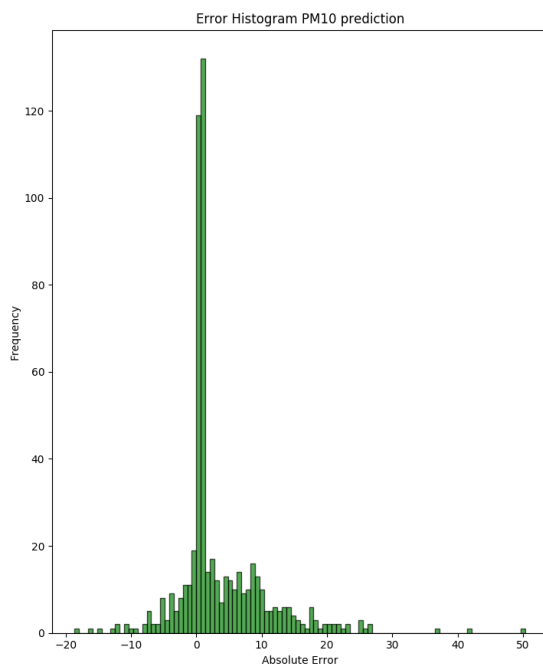
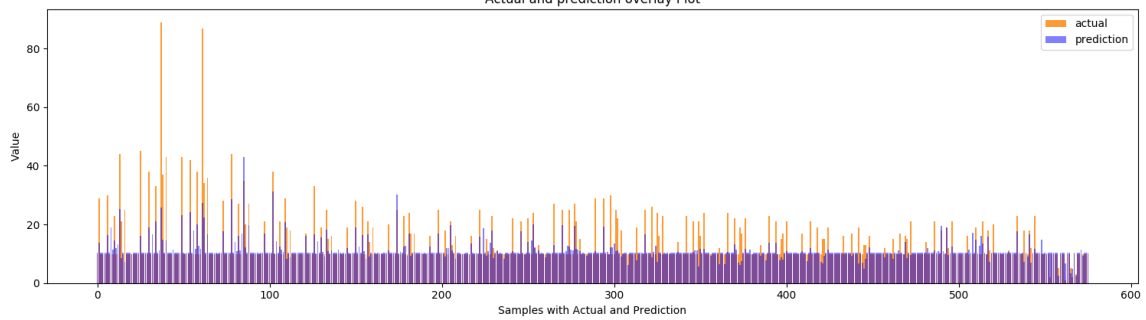
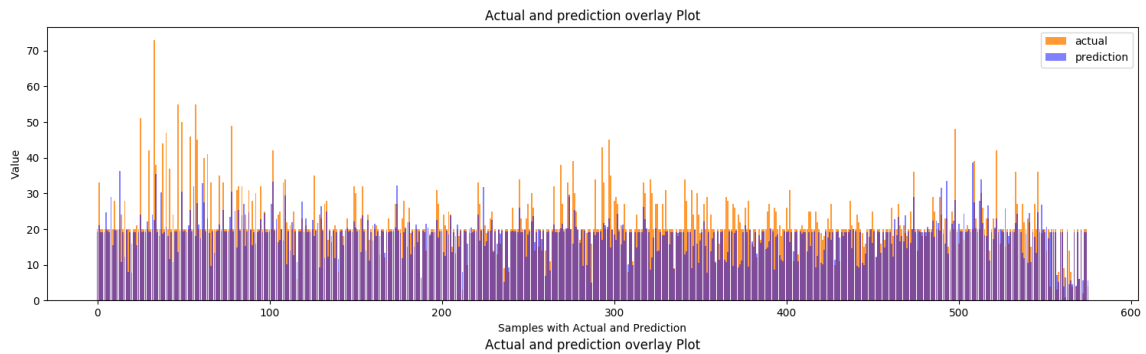
For K = 10:

1. Rolling Window:

a. No Normalisation:

The mean Error in PM10 prediction: 4.677297731050447

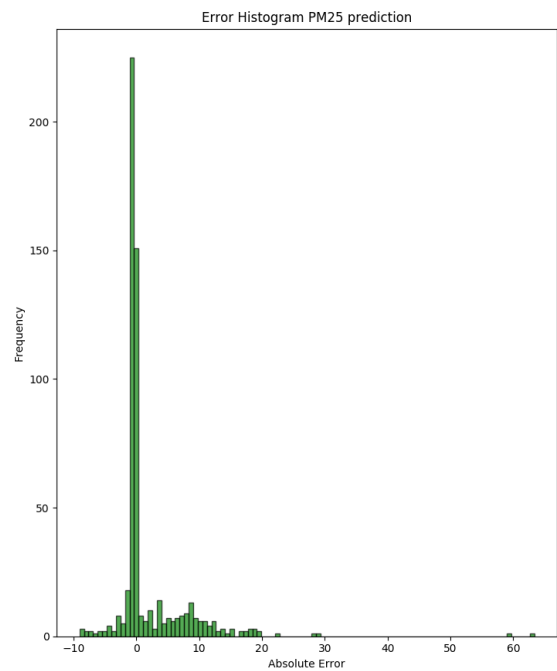
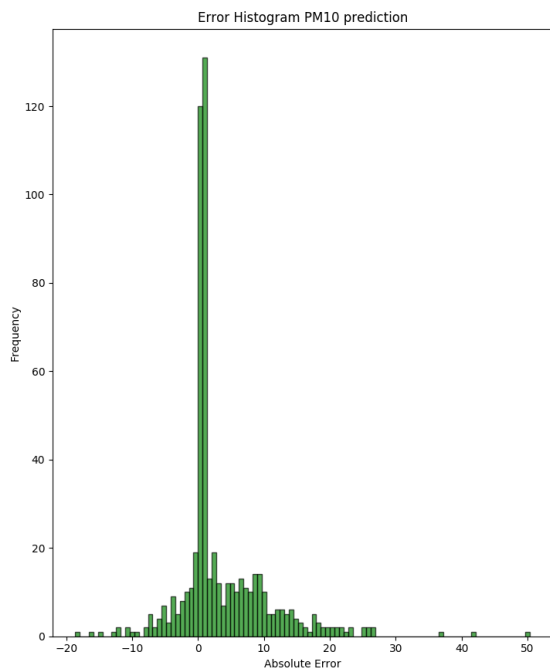
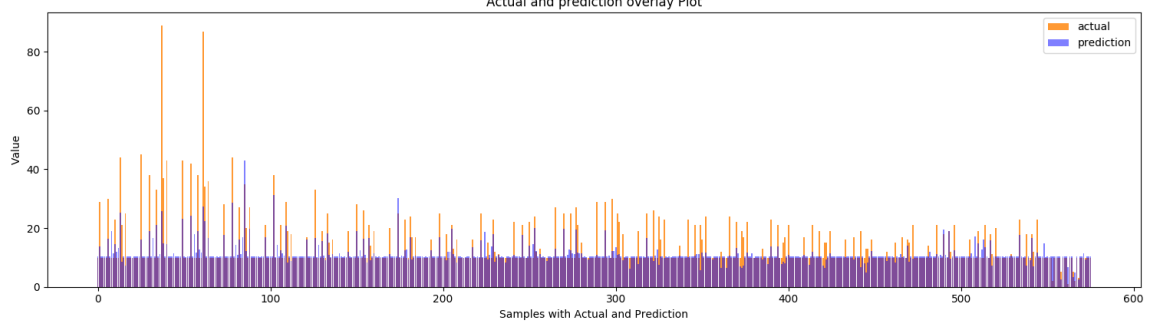
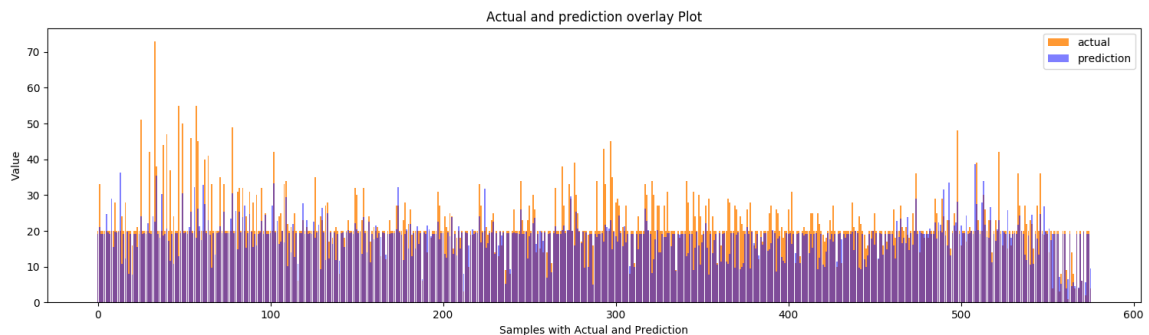
The mean Error in PM25 prediction: 2.8560362549746303



b. With Normalisation:

The mean Error in PM10 prediction: 4.685667754857816

The mean Error in PM25 prediction: 2.8534532811306557

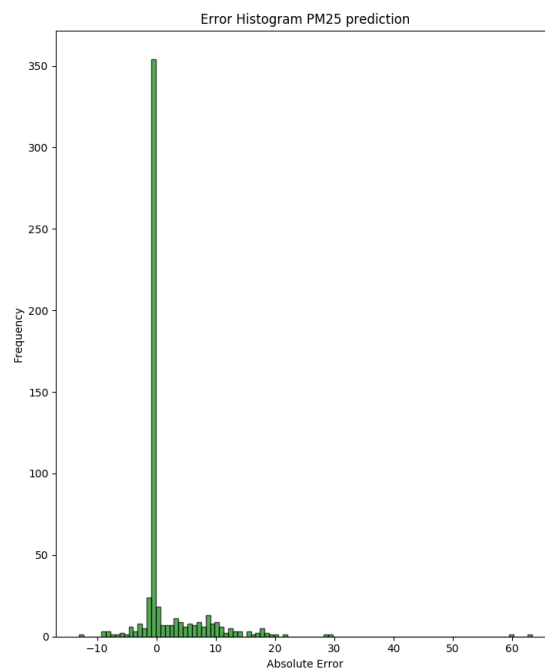
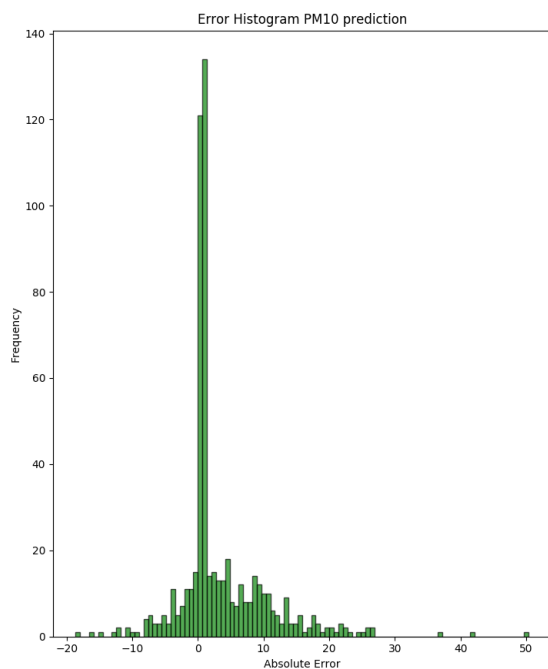
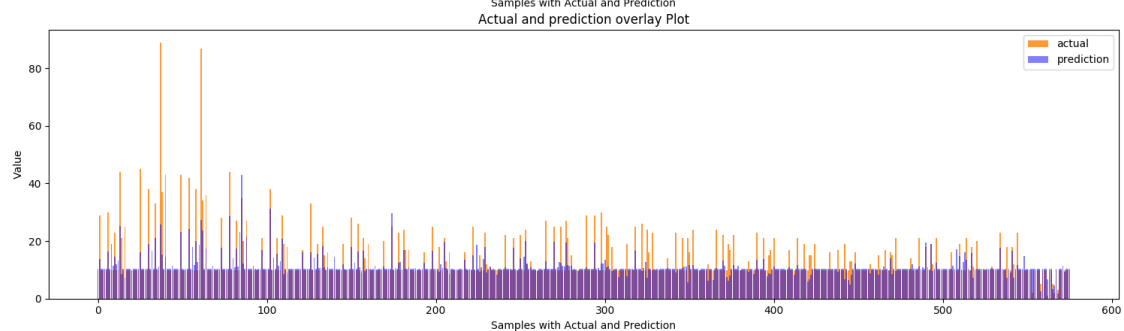
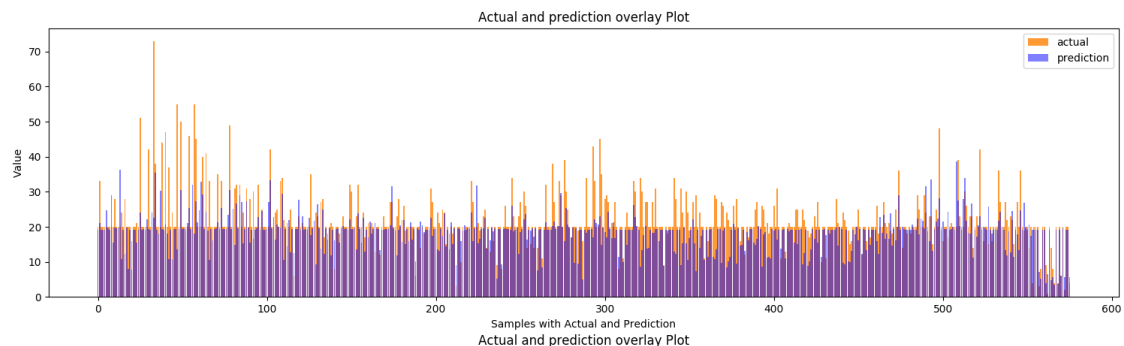


2. Recursive Window:

a. No Normalisation:

The mean Error in PM10 prediction: 4.6559728833396115

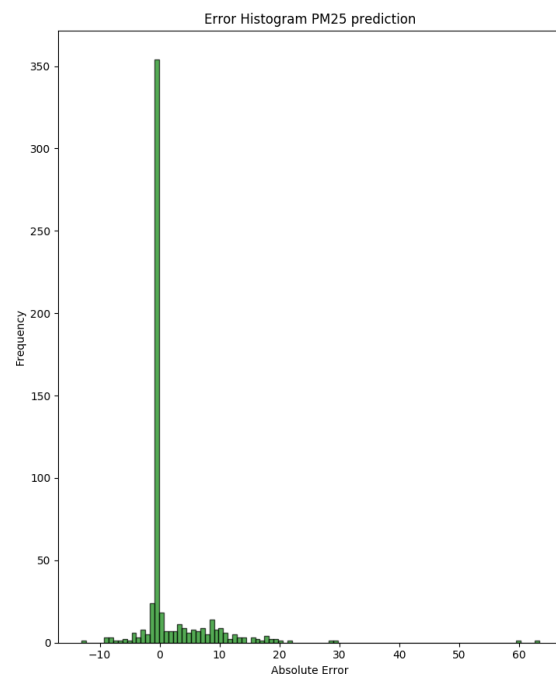
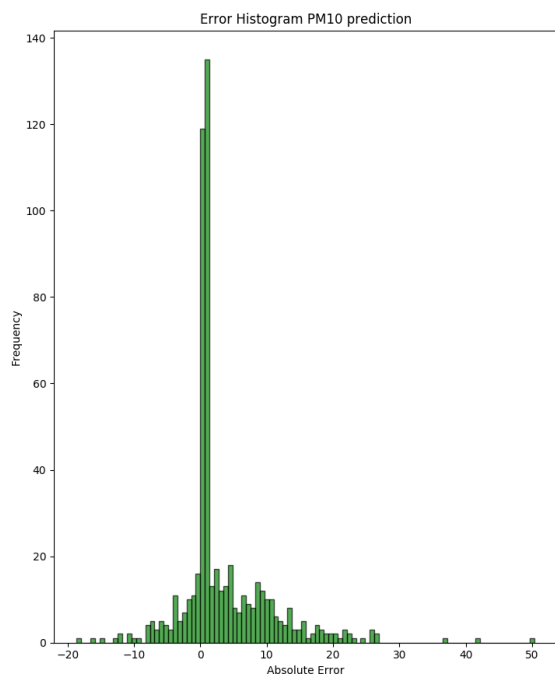
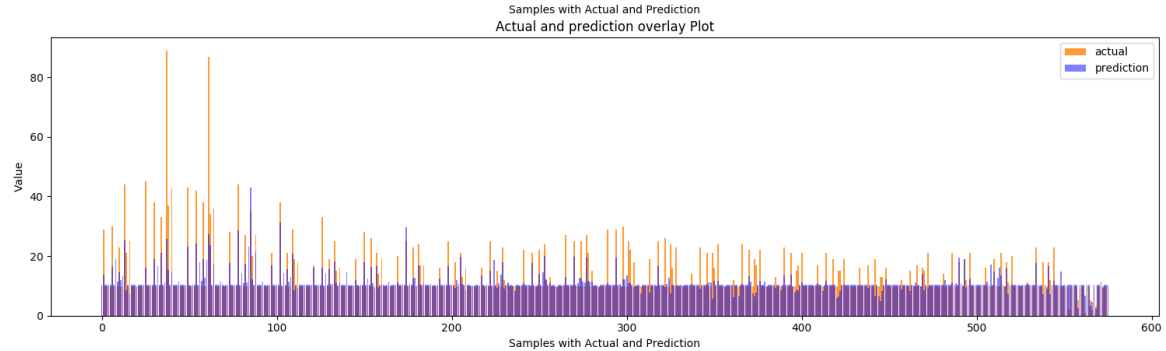
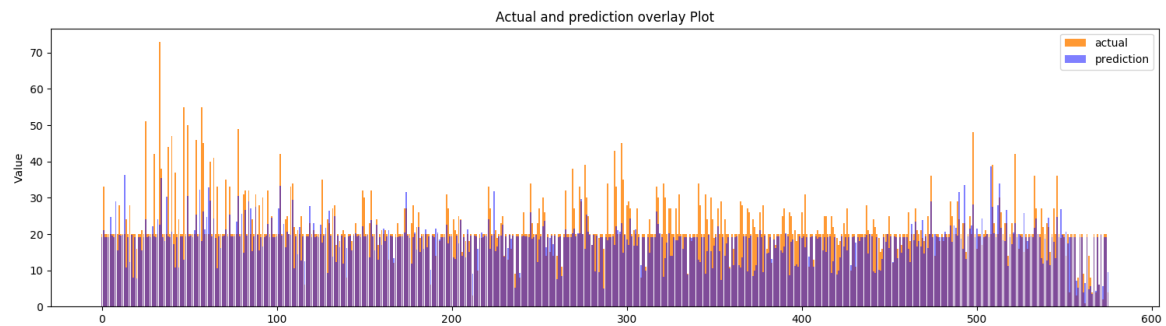
The mean Error in PM25 prediction: 2.870014923489734



b. With Normalisation:

The mean Error in PM10 prediction: 4.669200602868082

The mean Error in PM25 prediction: 2.871752434543403



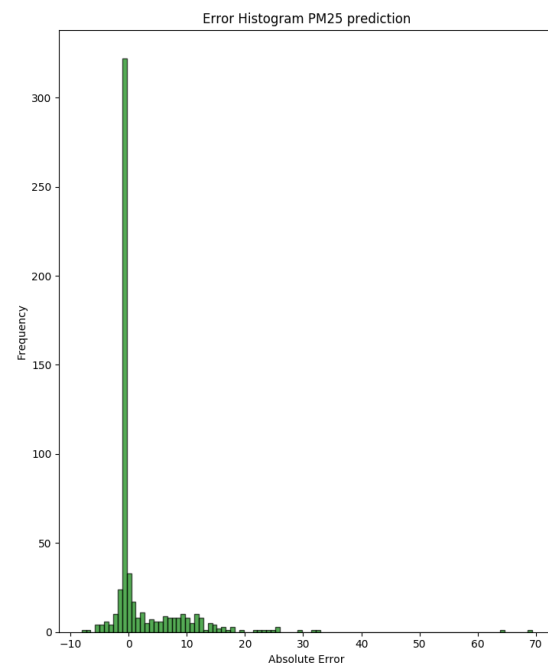
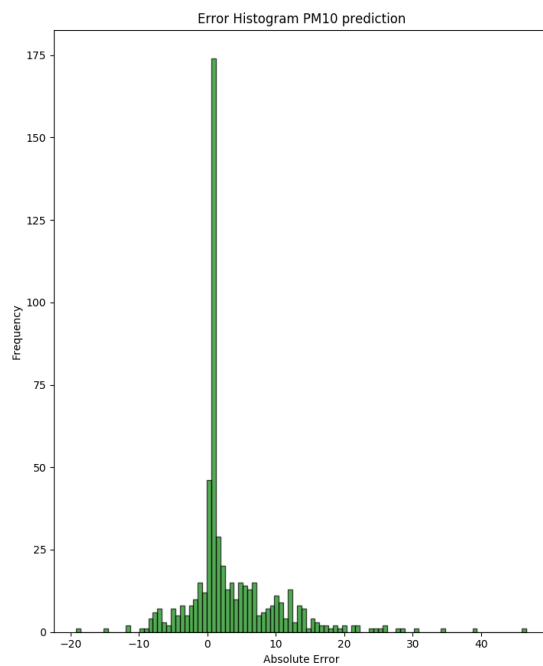
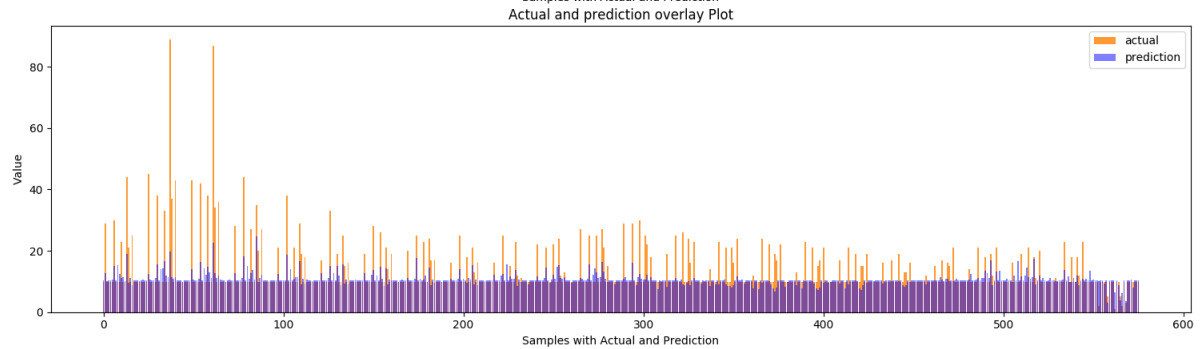
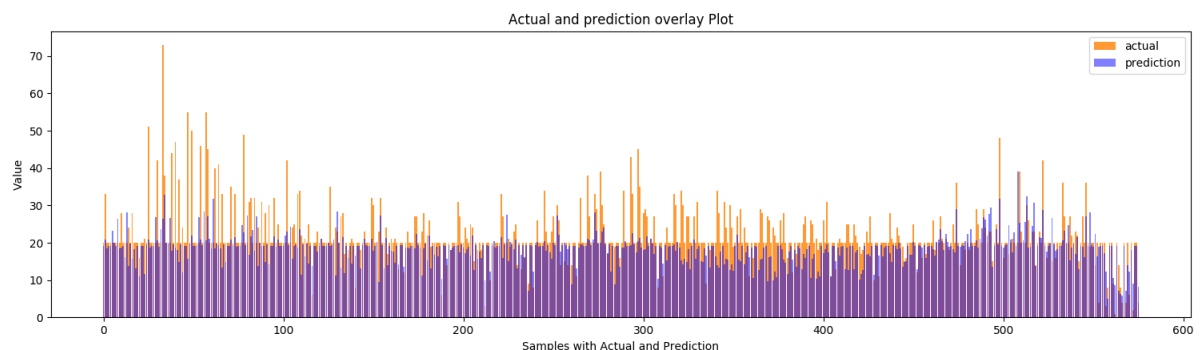
For K = 100:

1. Rolling Window:

a. No Normalisation:

The mean Error in PM10 prediction: 4.683411672699034

The mean Error in PM25 prediction: 3.267446601185241



2. Recursive Window:

a. No Normalisation:

The mean Error in PM10 prediction: 4.679456355750351

The mean Error in PM25 prediction: 3.2635719878572917

