

Repeat for both 'u' and 'v' target variables

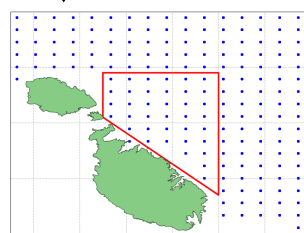
Model Training

Data Preprocessing

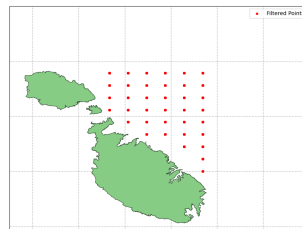
Import SSC dataset (2020 ~ 2023)

Drop Nans and extraneous columns

Choose Area



Geospatial
Filtering



Extract individual coordinates from filtered datapoints

AI Models

LSTM/GRU

1

LSTM/GRU

2

.....

LSTM/GRU

36

LSTM/GRU

37

input

rolling forecast

Model Testing

Input Data

3 Days
(72 hours)

Output Data

1 Day
(24 Hours)

Error Metrics

MAE, MSE & RMSE