1. Main Data Frame
2. Remove Nans from Main Data Frame
3. *Save main Data Frame top physical Storage (EXTRA)*
4. Geospatial Visualization of all the points
5. Polygon Geospatial Visualization
6. Save to Final Data Frame (Points in the polygon)
7. Save Final Data Frame to physical Storage

LOOP

1. Loop through Final Data Frame and for every pair of coordinates, save individual Data Frame and put all the Data Frames into a folder

LOOP

1. Loop through the folder and create sequences
2. Split every sequence into Train/Val/Test sets
3. Train on same model (Every Individual Data Frame)
4. Store the result of every model in physical storage in a folder

LOOP

1. Loop through all the coordinates and create input (3 days) and the actual output (1 day) and store all on physical storage.

LOOP

1. Loop through input 3 day Data Frame and make a prediction for every single corresponding pair of coordinates for a total of 24 hours
2. Evaluate every prediction
3. Merge predicted values into a single file
4. Save file to physical storage
5. **Repeat for ‘v’**
6. *Evaluate the whole file [EXTRA]*
7. Merge ‘u’ and ‘v’ predictions
8. Simulate Lagrangian with original data (same 24 hours)
9. Simulate Lagrangian with predicted data
10. Compare visualizations.