A new dataset SHIPS\_ATL\_V2 is created. Please utilize the new data for this week’s assignment. Here is the link to the dataset that you can use to import the data:

<https://raw.githubusercontent.com/kwonkh0424/STEM_Hurricane_Training/main/SHIPS_ATL_V2.csv>

Now, we have taken a look into SHIPs data, let’s begin analyzing the data in order to answer following questions:

* What month do hurricane occur? (month)
  + Using either scatter or histogram plot to see which months hurricanes frequently occurs.
* How many hurricanes per year? (counts)
  + Hint: You will need to use .groupby function and use histogram plot to the frequency.
* What are the frequency distributions of hurricane wind speed and intensity change in 24 hours (DELV24)?
  + Hint: Use histogram to plot hurricane wind speed and DELV24 distribution
* Has hurricane occurrence increased since 1998?
  + Hint: Use groupby function to groupby ID. You can also use histogram here
* Have hurricanes become stronger with time?
  + Hint: Use groupby function to groupby ID. You can use plt.plot()

Please answer at least 3 of the above 5 questions. If you have any questions, reach out to Kooha ([kwonkh0424@gmail.com](mailto:kwonkh0424@gmail.com)).

Send the jupyter notebook file by Thursday, 29th