Topic: **Hurricane**

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Find Data of Hurricane – we found on Kaggle 1984-2015 Hurricane data

Tasks: (3 Ju.NB)

* + 1. Group by ID
    2. Replace all -999 to zero
    3. Clean data:
       1. Split into HU
          1. HU\_df = Loc[[‘Status”] == “HU”
       2. Split into TS
          1. TS\_df = Loc[[‘Status”] == “TS”
    4. Create bin to categorize Hurricane type (max wind speed for each ID (unique)
    5. Trim down to only ID, Name, Date, Status, Lat, Long, Max Wind

Plotting and processing data

1. Hurricane:
   1. hurricane no. of occurrence: (may need to group by year)
   2. Category: 1-5 (based on windspeed, <https://www.nhc.noaa.gov/aboutsshws.php>)
   3. Windspeed
   4. Map out location of storms (gmaps with marker)
   5. comparing Pacific and Atlantic (if we have time, compare # of occurrence)
2. Tropical Storm:
   1. no. of occurrence
   2. Map out location of storms
   3. comparing Pacific and Atlantic (if we have time, compare # of occurrence)

Cat 1,2,3,4,5

Cat 1,2,3,4,5

Cat 1,2,3,4,5

1990

1991

1992

No. of HU