P2 - Plotting oceanographic data and timeseries

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PART ONE: **Profiles**

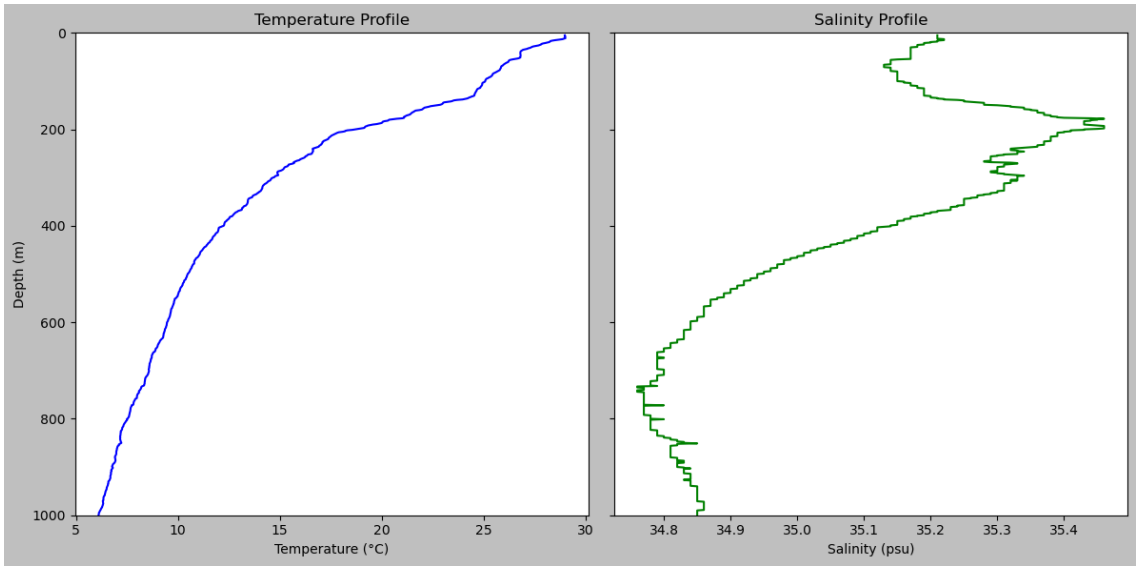

Figure 1. A two-panels plot showing temperature and salinity profiles they are sharing the y axes. As depth increases, temperature decreases and for salinity, it was very high between depths 200-400. From 400 m salinity kept on decreasing.

Part 2 - Time series

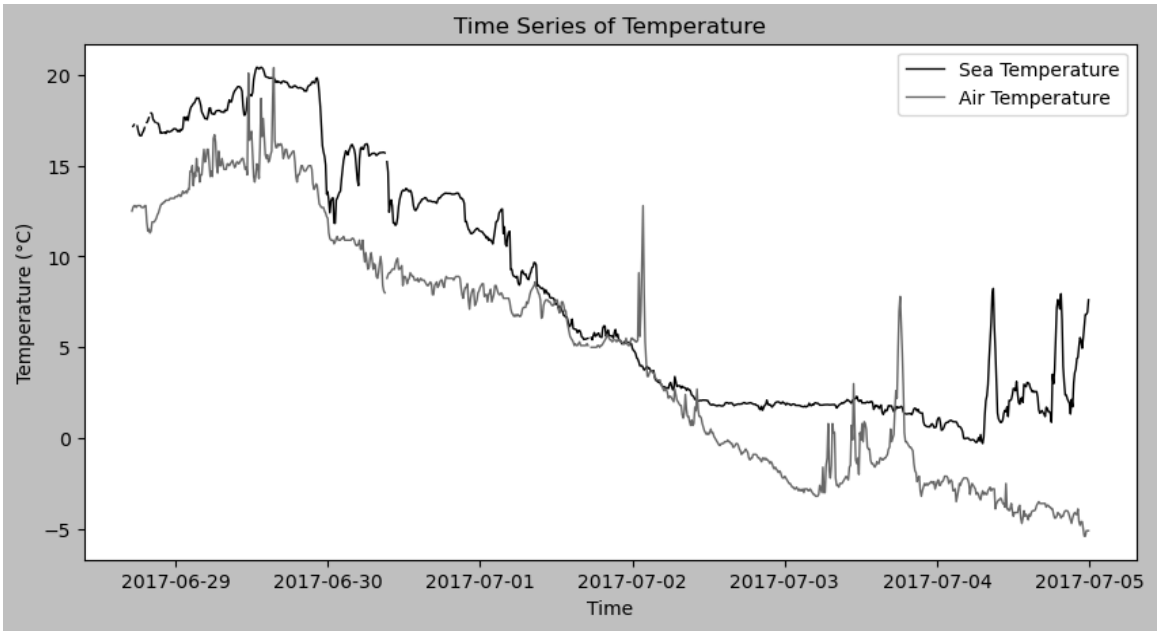

Figure 2. A time series of sea and air temperature, both time series shows how temperature decreases from July of 2007.

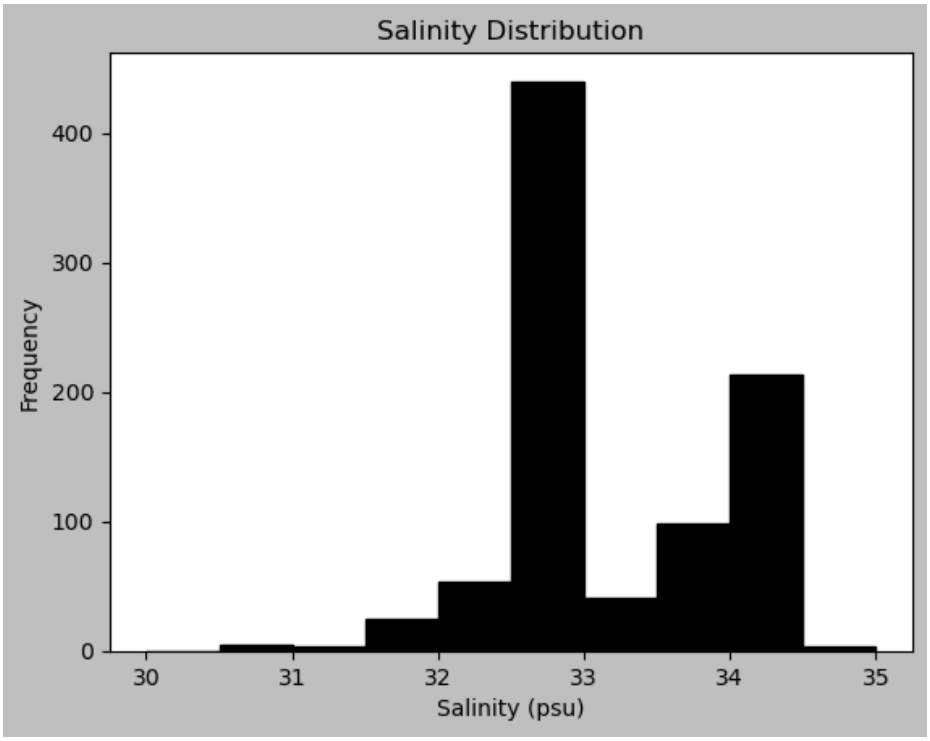

Figure 3. A histogram showing the salinity distribution using bins of 0.5 psu between 30 and 35.

Table 1. The mean, standard deviation, and IQR calculations for temperature and salinity variables.

Variables	Mean	Standard Deviation	IQR
Air temperature	4.020637	6.806562	10.5000
Sea Temperature	7.677621	6.182887	10.8107
Salinity	32.784990	1.352990	0.8536

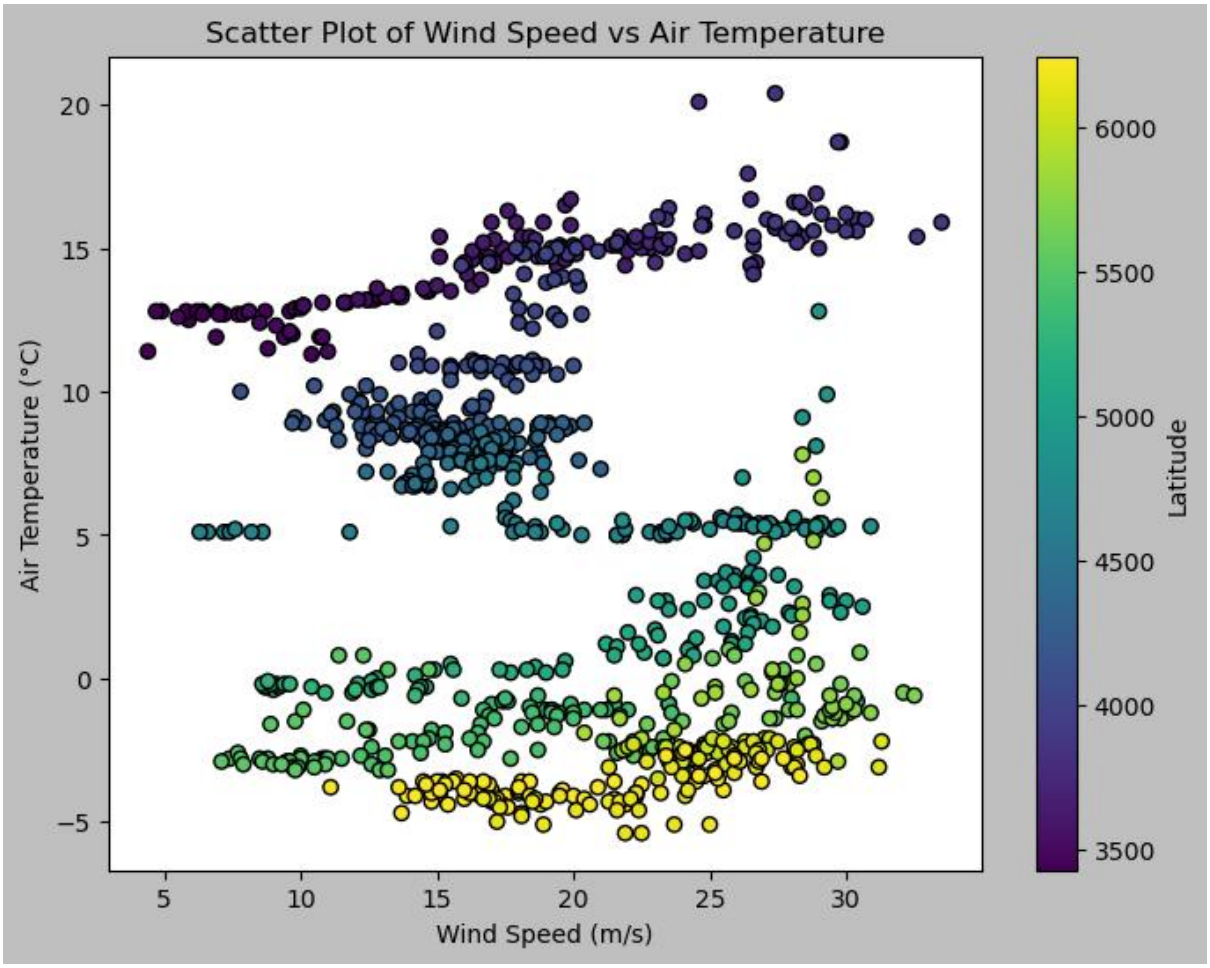

Figure 4. A scatter plot of wind speed and air temperature, encoding the latitude information in color. Wind speed is in meters per second and air temperature in degrees C.