

Data Description for **zooplankton.csv**

This dataset contains detailed records of zooplankton sampling, including cruise information, station data, net deployment details, volume sampled, and specific plankton counts. It appears to be a historical dataset with various biological and environmental attributes.

Columns:

1. **ID** – Unique identifier for each sampling record.
2. **Cruise** – Numeric code representing the cruise on which the data was collected.
3. **CruiseAlias** – Alternative cruise identifier.
4. **Sta_ID** – Station ID where the sample was collected.
5. **Cruz_Sta** – Combination of cruise and station identifiers.
6. **Ship_Code** – Code representing the research vessel.
7. **Order_Occ** – Sequential order of sampling events.
8. **Cruz_Code** – Code for cruise classification.
9. **St_Line** – Station line number.
10. **St_Station** – Specific station number along a line.
11. **Lat_Deg** – Latitude degrees of sampling location.
12. **Lat_Min** – Latitude minutes.
13. **Lat_Hem** – Latitude hemisphere (e.g., N/S).
14. **Lon_Deg** – Longitude degrees.
15. **Lon_Min** – Longitude minutes.
16. **Lon_Hem** – Longitude hemisphere (e.g., E/W).
17. **Tow_Type** – Type of tow used in sampling (e.g., vertical or oblique tow).
18. **Net_Loc** – Net location classification.
19. **End_Time** – Time the tow ended.
20. **Tow_Date** – Date of the sampling event.
21. **Tow_Time** – Time of the tow.
22. **Vol_StrM3** – Volume of water filtered during the tow (m³).
23. **Tow_DpthM** – Depth at which the tow was conducted (m).
24. **Ttl_PVolC3** – Total plankton volume collected (cubic cm).
25. **Sml_PVolC3** – Small plankton volume collected (cubic cm).
26. **HaulFact** – Haul factor used for data standardization.
27. **Ttl_Eggs_Raw** – Total eggs counted in raw data.
28. **Ttl_Larvae_Raw** – Total larvae counted in raw data.
29. **Ttl_Eggs_Stnd** – Standardized total egg count.
30. **Ttl_Larvae_Stnd** – Standardized total larvae count.
31. **Sardine_Eggs_Raw** – Sardine eggs counted in raw data.
32. **Sardine_Eggs_Stnd** – Standardized sardine egg count.
33. **Anchovy_Eggs_Raw** – Anchovy eggs counted in raw data.
34. **Anchovy_Eggs_Stnd** – Standardized anchovy egg count.
35. **Sardine_Larvae_Raw** – Sardine larvae counted in raw data.
36. **Sardine_Larvae_Stnd** – Standardized sardine larvae count.
37. **Anchovy_Larvae_Raw** – Anchovy larvae counted in raw data.

38. Anchovy_Larvae_Stnd – Standardized anchovy larvae count.

Dataset Summary:

- Contains **49,943 rows** and **38 columns**.
- Includes information about **cruise, station, net location, and biological counts**.
- Provides **plankton abundance data**, focusing on **sardine and anchovy eggs and larvae**.
- Some fields have **missing values**, particularly in the biological count columns.