Error Bar

- What is an Error Bar?

  Error bars are graphical representations of data variability. They show the precision of a measurement. The bars usually represent standard deviation and standard error. They indicate how far from the determined value the true value is.

  Error bars on charts provide a more comprehensive view of the data set and allow users to see the margins or errors in the data.

- Types of Error Bar: -

  1. **Standard Error:** Indicates the standard error for all values in the dataset.
  2. **Percentage:** Determines a percentage error range and error amount for each value.
  3. **Standard Deviation:** Displays a standard deviation for all values.

- Example graphs with error bars:

Mean Heart Rate of Participants With Standard Deviation Error Bars