Error bars:

Error bars are graphic representations of data variability and are used in graphs to indicate the error or uncertainty of the reported measurement. They give a general idea of ​​how accurate the measurement is, or vice versa, how true (error-free) the value may be than the reported value.

Error bars often represent one standard deviation of uncertainty, or one standard error or a particular confidence interval

Error bars can be used to compare visually two quantities if various other conditions hold.

This can determine whether differences are statistically significant

Error bars can also suggest goodness of fit of a given function