**What is a confusion matrix?**

a confusion matrix, also known as an error matrix, is a specific table layout that allows visualization of the performance of an algorithm, typically a supervised learning one

**What is bias-variance trade-off?**

 the bias–variance trade-off is the property of a model that the variance of the parameter estimates across samples can be reduced by increasing the bias in the estimated parameters.

**What is P-value?**

 the p-value is the probability of obtaining test results at least as extreme as the results actually observed, under the assumption that the null hypothesis is correct

**what are confounding variables?**

a confounder is a variable that influences both the dependent variable and independent variable, causing a spurious association