# O - Statistical hypothesis testing

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| **What the Product Moment Correlation Coefficient (PMCC) describe? And how?** | * It describes how correlated 2 variables are. * It can take on any value between -1 and +1 inclusively where p = +1 means perfect positive correlation, p = -1 means perfect negative correlation, and p = 0 means no coreelation. |
| **How is a sample normally distributed? What is required for the population?** | This requires the population to also be normally distributed. |
| **What is the test statistic for a normally distributed sample that used during a hypothesis test?** |  |
| **What is a parameter and a statistic? How are they used? (with example)** | * A parameter is a number that describes the entire population. * A statistic is a number taken from a single sample. * You used a statistic to estimate a parameter * Example: the mean of a sample is an estimate of the population mean. |

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