# Misc. terms

## FWHM

Full width at half maximum, more commonly known as FWHM, is a statistical measure used to describe the **width of a normal distribution**. Specifically, it represents the width of a curve measured between the two points where the curve’s value is half its maximum.

## R-squared / R^2 / coefficient of determination

proportion of the variation in the dependent variable that is predictable from the independent variable. [0,1]. Larger the better

(<https://en.wikipedia.org/wiki/Coefficient_of_determination>)

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## Softmax with temperature

A mathematical equation with numbers and symbols

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Divide by temperature, to control entropy. After dividing, the relationship (eg who’s larger who’s smaller) still retains. The larger the temperature, the more the probability is like a uniform distribution.

# Correlation Coefficient

A correlation coefficient is a numerical measure of some type of linear correlation.

Is a statistical relationship between two variables.

[−1 to +1], where ±1 indicates the strongest possible correlation and 0 indicates no correlation.

## 1. Pearson correlation coefficient

1. ppts: a normalized measurement of the covariance ([-1, 1])

2. formula: (<https://en.wikipedia.org/wiki/Pearson_correlation_coefficient>)

A math equations and formulas

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# Hypo testing related

## T-statistic

1. Def (to test if

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# Algorithms

1. GPA: generalized Procrustes analysis

Abstract formula

A close-up of text

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