

Test

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Look up test, testing, Test, or TEST in Wiktionary, the free dictionary. Test(s), testing, or TEST may refer to: Test (assessment), an educational assessment

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Test (assessment), an educational assessment intended to measure the respondents' knowledge or other abilities

.test

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Bechdel test

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The Bechdel test (BEK-dəl), also known as the Bechdel-Wallace test, is a measure of the representation of women in film and other fiction. The test asks whether a work features at least two women who have a conversation about something other than a man. Some versions of the test also require that those two women have names.

A work of fiction passing or failing the test does not necessarily indicate the overall representation of women in the work. Instead, the test is used as an indicator of the active presence (or lack thereof) of women in fiction, and to call attention to gender inequality in fiction.

The test is named after the American cartoonist Alison Bechdel, in whose 1985 comic strip *Dykes to Watch Out For* the test first appeared. Bechdel credited the idea to her friend Liz Wallace and the writings of Virginia Woolf. Originally meant as "a little lesbian joke in an alternative feminist newspaper", according to Bechdel, the test became more widely discussed in the 2000s, as a number of variants and tests inspired by it emerged.

Software testing

Software testing is the act of checking whether software satisfies expectations. Software testing can provide objective, independent information about

Software testing is the act of checking whether software satisfies expectations.

Software testing can provide objective, independent information about the quality of software and the risk of its failure to a user or sponsor.

Software testing can determine the correctness of software for specific scenarios but cannot determine correctness for all scenarios. It cannot find all bugs.

Based on the criteria for measuring correctness from an oracle, software testing employs principles and mechanisms that might recognize a problem. Examples of oracles include specifications, contracts, comparable products, past versions of the same product, inferences about intended or expected purpose, user or customer expectations, relevant standards, and applicable laws.

Software testing is often dynamic in nature; running the software to verify actual output matches expected. It can also be static in nature; reviewing code and its associated documentation.

Software testing is often used to answer the question: Does the software do what it is supposed to do and what it needs to do?

Information learned from software testing may be used to improve the process by which software is developed.

Software testing should follow a "pyramid" approach wherein most of your tests should be unit tests, followed by integration tests and finally end-to-end (e2e) tests should have the lowest proportion.

This Is Not a Test!

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This Is Not a Test! is the fifth studio album by American rapper Missy Elliott, released by The Goldmind Inc. and Elektra Records on November 25, 2003, in the United States. It was primarily produced by Timbaland, with additional production from Craig Brockman, Nisan Stewart and Elliott herself.

The album received generally favorable reviews from critics. The album debuted at number thirteen on the US Billboard 200, selling 183,600 copies in the first week of release. It has been certified platinum by the Recording Industry Association of America (RIAA) and has sold 705,000 copies in the United States.

Test cricket

Test cricket is a format of the sport of cricket, considered the game's most prestigious and traditional form. Often referred to as the "ultimate test";

Test cricket is a format of the sport of cricket, considered the game's most prestigious and traditional form. Often referred to as the "ultimate test" of a cricketer's skill, endurance and temperament, it is a first-class format of international cricket where two teams in whites, each representing their country, compete over a match that can last up to five days. It consists of up to four innings (up to two per team), with a minimum of ninety overs scheduled to be bowled in six hours per day, making it the sport with the longest playing time except for some multi-stage cycling races. A team wins the match by outscoring the opposition with the bat and bowling them out with the ball, otherwise the match ends in a draw.

It is contested by 12 teams which are the full-members of the International Cricket Council (ICC). The term "test match" was originally coined in 1861–62 but in a different context—that the English team was testing itself against all of the Australian colonies. Test cricket did not become an officially recognised format until the 1890s, but many international matches since 1877 have been retrospectively awarded Test status. The first such match took place at the Melbourne Cricket Ground (MCG) in March 1877 between teams which were then known as a Combined Australian XI and James Lillywhite's XI, the latter a team of visiting English professionals. Matches between Australia and England were first called "test matches" in 1892. The first definitive list of retrospective Tests was written by South Australian journalist Clarence P. Moody two

years later and, by the end of the century, had gained acceptance.

Day/night Tests were permitted by the ICC in 2012 and the first day/night match was between Australia and New Zealand at the Adelaide Oval in November 2015.

The ICC World Test Championship is the international championship of Test cricket. It is a league competition run by the ICC, with its inaugural season starting in 2019. In line with the ICC's goal of having one pinnacle tournament for each of the three formats of international cricket, it is the premier championship for Test cricket.

The Test

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The Test may refer to:

"The Test" (short story), short story by Franz Kafka

The Test (Wright novel), novel by Mary Tappan Wright

The Test (Applegate novel), a 2000 novel in the Animorphs series

"Come with Us"/"The Test", a 2002 single by The Chemical Brothers

The Test (play), a 2007 Lukas Bärfuss play

The Test (1914 film), an American short film starring Wallace Reid and Frank Lloyd

The Test (1916 film), an American silent drama film

The Test (1935 film), an American film directed by Bernard B. Ray

The Test (talk show), an American syndicated talk show

The Test (Australian TV series), an Australian docu-series

The Test (greyhound competition), England

"The Test", a song on the Don't Fence Me In album by Lari White

Training, validation, and test data sets

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In machine learning, a common task is the study and construction of algorithms that can learn from and make predictions on data. Such algorithms function by making data-driven predictions or decisions, through building a mathematical model from input data. These input data used to build the model are usually divided into multiple data sets. In particular, three data sets are commonly used in different stages of the creation of the model: training, validation, and test sets.

The model is initially fit on a training data set, which is a set of examples used to fit the parameters (e.g. weights of connections between neurons in artificial neural networks) of the model. The model (e.g. a naive Bayes classifier) is trained on the training data set using a supervised learning method, for example using

optimization methods such as gradient descent or stochastic gradient descent. In practice, the training data set often consists of pairs of an input vector (or scalar) and the corresponding output vector (or scalar), where the answer key is commonly denoted as the target (or label). The current model is run with the training data set and produces a result, which is then compared with the target, for each input vector in the training data set. Based on the result of the comparison and the specific learning algorithm being used, the parameters of the model are adjusted. The model fitting can include both variable selection and parameter estimation.

Successively, the fitted model is used to predict the responses for the observations in a second data set called the validation data set. The validation data set provides an unbiased evaluation of a model fit on the training data set while tuning the model's hyperparameters (e.g. the number of hidden units—layers and layer widths—in a neural network). Validation data sets can be used for regularization by early stopping (stopping training when the error on the validation data set increases, as this is a sign of over-fitting to the training data set).

This simple procedure is complicated in practice by the fact that the validation data set's error may fluctuate during training, producing multiple local minima. This complication has led to the creation of many ad-hoc rules for deciding when over-fitting has truly begun.

Finally, the test data set is a data set used to provide an unbiased evaluation of a final model fit on the training data set. If the data in the test data set has never been used in training (for example in cross-validation), the test data set is also called a holdout data set. The term "validation set" is sometimes used instead of "test set" in some literature (e.g., if the original data set was partitioned into only two subsets, the test set might be referred to as the validation set).

Deciding the sizes and strategies for data set division in training, test and validation sets is very dependent on the problem and data available.

Test particle

In physical theories, a test particle, or test charge, is an idealized model of an object whose physical properties (usually mass, charge, or size) are

In physical theories, a test particle, or test charge, is an idealized model of an object whose physical properties (usually mass, charge, or size) are assumed to be negligible except for the property being studied, which is considered to be insufficient to alter the behaviour of the rest of the system. The concept of a test particle often simplifies problems, and can provide a good approximation for physical phenomena. In addition to its uses in the simplification of the dynamics of a system in particular limits, it is also used as a diagnostic in computer simulations of physical processes.

Derivative test

In calculus, a derivative test uses the derivatives of a function to locate the critical points of a function and determine whether each point is a local

In calculus, a derivative test uses the derivatives of a function to locate the critical points of a function and determine whether each point is a local maximum, a local minimum, or a saddle point. Derivative tests can also give information about the concavity of a function.

The usefulness of derivatives to find extrema is proved mathematically by Fermat's theorem of stationary points.

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