25 Means

K-means clustering

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k-means clustering is a method of vector quantization, originally from signal processing, that aims to partition n observations into k clusters in which each observation belongs to the cluster with the nearest mean (cluster centers or cluster centroid). This results in a partitioning of the data space into Voronoi cells. k-means clustering minimizes within-cluster variances (squared Euclidean distances), but not regular Euclidean distances, which would be the more difficult Weber problem: the mean optimizes squared errors, whereas only the geometric median minimizes Euclidean distances. For instance, better Euclidean solutions can be found using k-medians and k-medoids.

The problem is computationally difficult (NP-hard); however, efficient heuristic algorithms converge quickly to a local optimum. These are usually similar to the expectation–maximization algorithm for mixtures of Gaussian distributions via an iterative refinement approach employed by both k-means and Gaussian mixture modeling. They both use cluster centers to model the data; however, k-means clustering tends to find clusters of comparable spatial extent, while the Gaussian mixture model allows clusters to have different shapes.

The unsupervised k-means algorithm has a loose relationship to the k-nearest neighbor classifier, a popular supervised machine learning technique for classification that is often confused with k-means due to the name. Applying the 1-nearest neighbor classifier to the cluster centers obtained by k-means classifies new data into the existing clusters. This is known as nearest centroid classifier or Rocchio algorithm.

United States House Committee on Ways and Means

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The Committee on Ways and Means is the chief tax-writing committee of the United States House of Representatives. The committee has jurisdiction over all taxation, tariffs, and other revenue-raising measures, as well as a number of other programs including Social Security, unemployment benefits, Medicare, the enforcement of child support laws, Temporary Assistance for Needy Families, foster care, and adoption programs. Members of the Ways and Means Committee are not allowed to serve on any other House Committee unless they are granted a waiver from their party's congressional leadership. It has long been regarded as the most prestigious committee of the House of Representatives.

The United States Constitution requires that all bills regarding taxation must originate in the U.S. House of Representatives, and House rules dictate that all bills regarding taxation must pass through Ways and Means. This system imparts upon the committee and its members a significant degree of influence over other representatives, committees, and public policy. Its Senate counterpart is the U.S. Senate Committee on Finance.

In the 118th Congress, the committee's chair is Jason T. Smith. Recent chairs have included Bill Thomas, Charlie Rangel, Sander Levin, Dave Camp, Paul Ryan, Kevin Brady, and Richard Neal.

Russell Means

Russell Charles Means (Lakota: Wa?blí Ohítika; November 10, 1939 – October 22, 2012) was an Oglala Lakota activist for the rights of Native Americans

Russell Charles Means (Lakota: Waʔblí Ohítika; November 10, 1939 – October 22, 2012) was an Oglala Lakota activist for the rights of Native Americans, libertarian political activist, actor, musician and writer. He became a prominent member of the American Indian Movement (AIM) after joining the organization in December 1969 and helped organize notable events that attracted national and international media coverage.

Means was active in international issues of indigenous peoples, including working with groups in Central and South America and with the United Nations for recognition of their rights. He was active in politics at his native Pine Ridge Indian Reservation and at the state and national level.

Beginning an acting career in 1992, he appeared on numerous television series and in several films, including The Last of the Mohicans, Pocahontas, and Curb Your Enthusiasm. He released his own music CD. Means published his autobiography Where White Men Fear to Tread in 1995.

Means of communication

Means of communication or media are used by people to communicate and exchange information with each other as an information sender and a receiver. Diverse

Means of communication or media are used by people to communicate and exchange information with each other as an information sender and a receiver. Diverse arrays of media that reach a large audience via mass communication are called mass media.

Means End

August 2025. MEANS END Signs With ROGUE RECORDS Blabbermouth. 7 August 2013. Retrieved 2014-09-25. Means End Interview And Bio Archived 25 June 2013 at

Means End was a Swedish progressive metal band from Stockholm whose sound is spearheaded by SATB choirs, operatic vocals, eight-string guitars, and jazz-fusion compositions. Their music is likened to an amalgamation of artists such as Eric Whitacre, Devin Townsend, Meshuggah, and Yellowjackets. They are notable for bridging the gap between classical composition and contemporary instrumentalism.

Means of production

In political philosophy, the means of production refers to the generally necessary assets and resources that enable a society to engage in production

In political philosophy, the means of production refers to the generally necessary assets and resources that enable a society to engage in production. While the exact resources encompassed in the term may vary, it is widely agreed to include the classical factors of production (land, labour, and capital) as well as the general infrastructure and capital goods necessary to reproduce stable levels of productivity. It can also be used as an abbreviation of the "means of production and distribution" which additionally includes the logistical distribution and delivery of products, generally through distributors; or as an abbreviation of the "means of production, distribution, and exchange" which further includes the exchange of distributed products, generally to consumers.

The concept of "Means of Production" is used by researchers in various fields of study — including politics, economics, and sociology — to discuss, broadly, the relationship between anything that can have productive use, its ownership, and the constituent social parts needed to produce it.

Upaya

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In Buddhism, upaya (Sanskrit: ????, up?ya, expedient means, pedagogy) is an aspect of guidance along the Buddhist paths to liberation where a conscious, voluntary action "is driven by an incomplete reasoning" about its direction. Upaya is often used with kaushalya (??????, "cleverness"), upaya-kaushalya meaning "skill in means".

Upaya-kaushalya is a concept emphasizing that practitioners may use their own specific methods or techniques that fit the situation in order to gain enlightenment. The implication is that even if a technique, view, etc., is not ultimately "true" in the highest sense, it may still be an expedient practice to perform or view to hold; i.e., it may bring the practitioner closer to the true realization in a similar way. The exercise of skill to which it refers, the ability to adapt one's message to the audience, is of enormous importance in the Pali Canon.

The Digital Dictionary of Buddhism notes that rendering the Chinese term f?ngbiàn into English as 'skillful' or as 'expedient' is often difficult, because the connotations shift according to the context as (1) the teaching being something to marvel at — the fact that the Buddha can present these difficult truths in everyday language (thus, skillful), yet that (2) they are teachings of a lower order as compared to the ultimate truth, and are far removed from reflecting reality, and are a kind of 'stopgap' measure (thus, expedient).

Nomeansno

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Nomeansno (sometimes stylized as NoMeansNo or spelled No Means No) was a Canadian punk rock band formed in Victoria, British Columbia, and later relocated to Vancouver. They released 11 albums, including a collaborative album with Jello Biafra, and numerous EPs and singles. Critic Martin Popoff described their music as "the mightiest merger between the hateful aggression of punk and the discipline of heavy metal." Nomeansno's distinct hardcore punk sound, complex instrumentation, and dark, "savagely intelligent" lyrics inspired subsequent musicians. They were a formative influence on punk jazz, post-hardcore, math rock, and emo.

Formed in 1979 by brothers Rob and John Wright, they began as a two-piece punk band influenced by jazz and progressive rock. They self-released their debut Mama LP in 1982, added guitarist Andy Kerr the following year, and signed with Alternative Tentacles. Kerr departed in late 1991 after five LPs with the band, and the group returned to its two-piece formation for the Why Do They Call Me Mr. Happy? album.

Guitarist Tom Holliston, and briefly second drummer Ken Kempster, joined in 1993. After three further LPs, they left Alternative Tentacles and issued their final album, All Roads Lead to Ausfahrt, in 2006. The Western Canadian Music Hall of Fame inducted them in 2015, and they retired the following year.

Packard V-1650 Merlin

reading of +6 means that the air/fuel mix is being compressed by a supercharger blower to 20.7 psi before entering the engine; +25 means that the air/fuel

The Packard V-1650 Merlin is a version of the Rolls-Royce Merlin aircraft engine, produced under license in the United States by the Packard Motor Car Company. The engine was licensed to expand production of the Rolls-Royce Merlin for British use. The engine also filled a gap in the U.S. at a time when similarly powered American-made engines were not available.

The first V-1650s, with a one-stage supercharger, equivalent to the Merlin XX, were used in the P-40F Kittyhawk fighter and in Canadian-built Hawker Hurricanes. Later versions based on the Merlin 60 series included a more advanced two-stage supercharger for improved performance at high altitudes. It found its most notable application in the North American P-51 Mustang fighter, improving the aircraft's performance

so it could escort Allied heavy bombers from Britain to Germany and back.

Natrone Means

Natrone Jermaine Means (born April 26, 1972) is an American former professional football player who was a running back in the National Football League

Natrone Jermaine Means (born April 26, 1972) is an American former professional football player who was a running back in the National Football League (NFL) for the San Diego Chargers, Jacksonville Jaguars, and Carolina Panthers from 1993 to 2000.

Means played college football for the North Carolina Tar Heels. He was selected by the Chargers in the second round (41st overall) of the 1993 NFL draft. In 1994, he was selected for the Pro Bowl during San Diego's Super Bowl season. He is a member of the San Diego Chargers 50th Anniversary Team.

Means was nicknamed Natrone "Refried" Means and, later, "Natrone Means Business" by ESPN's Chris Berman. He is currently an assistant coach for the Tar Heels.

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