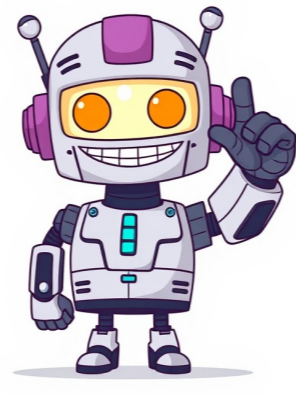


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Sculley (CEO)Julia Elliott (COO) Jeff Moser (Chief Architect) ProductsCompetitions, Kaggle Kernels, Kaggle Datasets, Kaggle LearnParentGoogle(2017present)Websitekaggle.comKaggle is a data science competition platform and online community for data scientists and machine learning practitioners under Google LLC. Kaggle enables users to find and publish datasets, explore and build models in a web-based data science environment, work with other data scientists and machine learning engineers, and enter competitions to solve data science challenges.[1]Kaggle was founded by Anthony Goldbloom in April 2010.[2] Jeremy Howard, one of the first Kaggle users, joined in November 2010 and served as the President and Chief Scientist.[3] Also on the team was Nicholas Gruen serving as the founding chair.[4] In 2011, the company raised \$12.5 million and Max Levchin became the chairman.[5] On March 8, 2017, Fei-Fei Li, Chief Scientist at Google, announced that Google was acquiring Kaggle.[6]In June 2017, Kaggle surpassed 1 million registered users, and as of October 2023, it has over 15 million users in 194 countries.[7][8][9]In 2022, founders Goldbloom and Hamner stepped down from their positions and D. Sculley became the CEO.[10]In February 2023, Kaggle introduced Models, allowing users to discover and use pre-trained models through deep integrations with the rest of Kaggle's platform.[11]In April 2025, Kaggle partnered with Wikimedia Foundation.[12]See also: Competitive programmingMany machine-learning competitions have been run on Kaggle since the company was founded. Notable competitions include gesture recognition for Microsoft Kinect,[13] making a football AI for Manchester City, coding a trading algorithm for Two Sigma Investments,[14] and improving the search for the Higgs boson at CERN.[15]The competition host prepares the data and a description of the problem; the host may choose whether it's going to be rewarded with money or be unpaid. Participants experiment with different techniques and compete against each other to produce the best models. Work is shared publicly through Kaggle Kernels to achieve a better benchmark and to inspire new ideas. Submissions can be made through Kaggle Kernels, via manual upload or using the Kaggle API. For most competitions, submissions are scored immediately (based on their predictive accuracy relative to a hidden solution file) and summarized on a live leaderboard. After the deadline passes, the competition host pays the prize money in exchange for "a worldwide, perpetual, irrevocable and royalty-free license [...] to use the winning Entry", i.e. the algorithm, software and related intellectual property developed, which is "non-exclusive unless otherwise specified".[16]Alongside its public competitions, Kaggle also offers private competitions, which are limited to Kaggle's top participants. Kaggle offers a free tool for data science teachers to run academic machine-learning competitions.[17] Kaggle also hosts recruiting competitions in which data scientists compete for a chance to interview at leading data science companies like Facebook, Winton Capital, and Walmart.Kaggle's competitions have resulted in successful projects such as furthering HIV research,[18] chess ratings[19] and traffic forecasting.[20] Geoffrey Hinton and George Dahl used deep neural networks to win a competition hosted by Merck.[citation needed] Vlad Mnih (one of Hinton's students) used deep neural networks to win a competition hosted by Adzuna.[citation needed] This resulted in the technique being taken up by others in the Kaggle community. Tianqi Chen from the University of Washington also used Kaggle to show the power of XGBoost, which has since replaced Random Forest as one of the main methods used to win Kaggle competitions.[citation needed]Several academic papers have been published based on findings from Kaggle competitions.[21] A contributor to this is the live leaderboard, which encourages participants to continue innovating beyond existing best practices.[22] The winning methods are frequently written on the Kaggle Winner's Blog.Kaggle has implemented a progression system to recognize and reward users based on their contributions and achievements within the platform. This system consists of five tiers: Novice, Contributor, Expert, Master, and Grandmaster. Each tier is achieved by meeting specific criteria in competitions, datasets, kernels (code-sharing), and discussions.[23]The highest tier, Kaggle Grandmaster, is awarded to users who have ranked at the top of multiple competitions including high ranking in a solo team. As of April 2, 2025, out of 23.29 million Kaggle accounts, 2,973 have achieved Kaggle Master status and 612 have achieved Kaggle Grandmaster status. [24]Kaggle Notebooks screenshotKaggle includes a free, browser-based online integrated development environment, called Kaggle Notebooks, designed for data science and machine learning. Users can write and execute code in Python or R, import datasets, use popular libraries, and train models on CPUs, GPUs, or TPUs directly in the cloud. This environment is often used for competition submissions, tutorials, education, and exploratory data analysis.[25][26]Competitive programmingData science competition platformAnthony GoldbloomHugging FaceGoogle Colab ^ "A Beginner's Guide to Kaggle for Data Science". MUO. 2023-04-17. Retrieved 2023-06-10. ^ Lardinois, Frederic; Mannes, John; Lynley, Matthew (March 8, 2017). "Google is acquiring data science community Kaggle". Techcrunch. Archived from the original on March 8, 2017. Retrieved March 9, 2017. ^ "The exabyte revolution: how Kaggle is turning data scientists into rock stars". Wired UK. ISSN1357-0978. Archived from the original on 30 September 2023. Retrieved 2023-09-30. ^ Mulcaster, Glenn (4 November 2011). "Local minnow the toast of Silicon Valley". The Sydney Morning Herald. Archived from the original on 30 September 2023. ^ Lichaa, Zachary. "Max Levchin Becomes Chairman Of Kaggle, A Startup That Helps NASA Solve Impossible Problems". Business Insider. 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Nature Nanotechnology, September 2011Retrieved from " Select your preferences and run the install command. Stable represents the most currently tested and supported version of kagglatasets. This should be suitable for many users. Preview is available if you want the latest, not fully tested and supported, 1.0 builds that are generated nightly. Please ensure that you have met the prerequisites below (e.g., numpy), depending on your package manager. You can also install previous versions of kagglatasets. Previous versions of kagglatasets Get up and running with kagglatasets quickly through popular frameworks. Scikit Learn Tensorflow Keras PyTorch Access comprehensive developer documentation for kagglatasets View Docs Find development resources and get your questions answered View Resources Checking your browser before accessing www.kaggle.com ...Click here if you are not automatically redirected after 5 seconds. This Home of Data Science() 2010 data science competition platform [] kaggle.com () Anthony Goldbloom [] Anthony Goldbloom [] - - (: Kaggle) . . 2010 . . . 2011 25 . 8 2017 . [1][2] 2017 . [3] 194 . [4] . ("kernels") . [5] 2017 . [6] : 150 () . [. . .] [7] . [8] . [9] . [10] [11] [12] [13] . () [14] . 2017 - [15]^ Lardinois, Frederic Mannes, John Lynley, Matthew (8 2017). "Google is acquiring data science community Kaggle". . 2017-03-09. 2017-03-09. Sources tell us that is acquiring Kaggle [...] the official announcement could come as early as tomorrow.^ "Google buys Kaggle and its gaggle of AI geeks". CNET (). 8 Mar 2017. Archived from the original on 2021-09-27. Retrieved 2018-06-01. ^ "We've passed 1 million members". Kaggle Winner's Blog (). 6 Jun 2017. Archived from the original on 2019-12-08. Retrieved 2018-08-19. ^ Markoff, John. "Scientists See Advances in Deep Learning, a Part of Artificial Intelligence" (). Archived from the original on 2021-05-21. 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International Journal of Forecasting. . 27. 845849. (PDF) 2019-02-16. ^ "Welcome Kaggle to Google Cloud". Google Cloud Platform Blog (). Archived from the original on 2018-09-15. Retrieved 2018-08-19. . is an online community for data scientists and machine learners. By joining this community, you can gain access to the new developments in machine learning techniques, participate in competitions, and access public models and data sets that you can use for practice or implement in your own projects.Kaggle is a valuable resource for data scientists and machine learning engineers looking to improve their skills, collaborate with others, and tackle real-world data problems. Learn what Kaggle is, how it is used, and what the competitions are like.What is Kaggle?Kaggle is a platform for data science and machine learning professionals, on which users can compete with each other to create the best models for solving specific problems or analyzing certain data sets. The platform also provides a community to collaborate on projects, share code and data sets, and learn from each other's work. Founded in 2010, Google acquired Kaggle in 2017, and the platform is now part of Google Cloud [1]Kaggle hosts a variety of competitions sponsored by organizations, ranging from predicting medical outcomes to classifying images and identifying fraudulent transactions. By participating, you can submit your models and see how they perform on a public leaderboard, as well as receive feedback from other competitors and the broader Kaggle community.In addition to competitions, Kaggle also offers public data sets, machine learning notebooks, and tutorials to help you learn and practice your skills in data science and machine learning. It has become a popular platform for both novice and experienced data scientists to improve their skills, build their portfolios, and connect with others in the industry.What is Kaggle used for? Kaggle machine learning and data science usesOne of the main uses for Kaggle is data science competitions, where participants can compete with each other to create the best models for solving specific problems. Organizations from around the world sponsor these competitions, and they cover a wide range of topics, such as image classification, natural language processing (NLP), and predictive modeling.Kaggle is also used for:Learning: Kaggle provides resources such as public data sets, machine learning tutorials, and code notebooks that allow users to learn and practice data science skills.Collaboration: Kaggle allows users to form teams and collaborate on submissions, share code and data sets, and provide feedback to each other.Community building: Kaggle has a large community of data scientists, machine learning engineers, and data enthusiasts, providing a platform for users to connect, share ideas, and collaborate on projects.Research: Kaggle's data sets and competitions are impactful for research purposes, making it a platform for testing and improving machine learning algorithms.Overall, Kaggle is a versatile platform that offers a range of opportunities for data scientists and machine learning engineers, from learning and collaboration to research.The Palmer Penguins data set contains information about three species of penguins in the Antarctic collected by the Palmer Station, an ecological research program. You can use this data set in Kaggle to learn about data exploration and visualization, as well as beginner-level machine learning tasks.What is a Kaggle competition?Kaggle competitions are challenges in which data scientists and machine learning engineers compete to create the best models for solving specific problems or analyzing certain data sets. Various organizations sponsor these competitions, ranging from businesses to academic institutions, and participants from around the world are eligible to compete. Competitions typically involve a data set and a problem, and participants must develop and submit a model that solves the problem or predicts the target variable with the highest accuracy. Depending on the nature of the data set and the problem being solved, competitions have various structures, such as classification, regression, or computer vision.Competitors collaborate and share ideas throughout the process, and some competitions even offer prizes to top-performing teams. Competitors can also participate in discussions and forums related to the competition, where they can ask questions, share progress, and get feedback from other participants.Kaggle competitions allow data scientists and machine learning engineers to hone skills, learn new techniques, and solve real-world problems. They offer a platform for collaboration, networking, and career advancement and have become a popular way for organizations to crowdsource solutions in data-driven challenges.For example, Kaggle's Lux AI Season 3 advanced competition offered a prize of \$50,000 for participants to build and train artificial intelligence (AI) bots. Those bots would then compete against other participants bots in a competition designed to help competitors test their abilities in designing bots that can analyze their opponents, tackle multi-variable optimization, and gather resources. More than 800 participants signed up for the challenge [2].Kaggle is beginner-friendly, offering competitions geared toward those just starting out. Courses and guides are also available, ensuring you can develop new skills in programming and machine learning basics, and learn to navigate databases.Kaggle data sets and modelsOn Kaggle, you have access to data sets available in a variety of file formats and models openly shared with the online community. Kaggle data sets also benefit from community features, where you can discuss techniques and share code. Additionally, you can create private data sets that only you have access to. Common file formats Kaggle supports include JSON, CSVs, and SQLite.Kaggle grants you access to a wide range of machine learning models that you can filter by the task you are working on, such as image classification or object detection, as well as data type and framework. To assist with the learning curve, Kaggle has guides that show you how to work with models from start to finish.Is Kaggle useful for finding employment?Kaggle can be a valuable tool for finding employment in the data science and machine learning fields. By participating in competitions, networking with other professionals, and showcasing your skills, you can increase your chances of finding job opportunities and advancing your career. Kaggle can help with job hunting in the following ways:Showcasing skills: Participating in Kaggle competitions can showcase your skills in data science and machine learning to potential employers. Winning or placing highly in a competition can demonstrate your abilities to solve real-world problems, work with data, and develop predictive models.Networking: Kaggle has a large community of data scientists, machine learning engineers, and data enthusiasts. Participating in competitions, collaborating on projects, and contributing to the community can help you connect with other professionals in the field and potentially lead to job opportunities.Learning: Kaggle provides resources such as public data sets, machine learning tutorials, and code notebooks that allow you to learn and practice data science skills. This can help you improve your knowledge and expertise, making you more attractive to potential employers.Explore Kaggle data science and machine learning uses and build relevant skills on CourseraIf youre interested in learning more about topics related to Kaggle, completing a course or receiving a relevant certificate is a great place to start.In Google's Data Analytics Professional Certificate, you'll learn how to analyze and process data efficiently, program in R, and create impactful visualizations to showcase your data. What's more, once you've completed it, you'll earn a certificate to showcase your skills on your resume.

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