

Average Bicycle Riding Speed

== Top speed record == 2102edb39b

List of cycling records 82 mph) by the Canadian Sam Whittingham riding the Varna Tempest, a streamliner recumbent bicycle in 2009, at Certified and recognized cycling records are those verified by the Union Cycliste Internationale, International Human Powered Vehicle Association and World Human Powered Vehicle Association, Guinness World Records, International Olympic Committee, World UltraCycling Association (formerly Ultra Marathon Cycling Association), the UK Road Records Association or other accepted authorities. flying start speed trial was 133. 28 km/h (82 2102edb39b

Electric bicycle E-bikes are a quick and reliable method of transportation, a fun type of recreation, and also an adaptive technology for weaker, older, disabled, or inexperienced riders. E-bikes are generally not suitable for long-distance cycling as the battery usually lasts 40 km (25 mi) to 120 km (75 mi) per charge, depending on the power level used. An e-bike's electric motor helps riders cover greater distances and steeper hills without the need for high physical effort. 158 An electric bicycle or e-bike is a type of a motorized bicycle with an integrated electric motor used to assist propulsion. E-bikes, alongside bicycles and e-scooters, are types of micromobility vehicles. (August 2021). Accident Analysis & Prevention. E-bikes are sold in a large number of different form factors for different use cases and sporting purposes. "Traffic conflicts involving speed-pedelecs (fast electric bicycles): A naturalistic riding study" 2102edb39b

A cyclist's legs produce power optimally within a narrow pedalling speed range, or cadence. Gearing can be optimized to use this narrow range as efficiently as possible. As in other types of transmissions, the gear ratio is closely related to the mechanical advantage of the drivetrain of the bicycle. On single-speed bicycles and multi-speed bicycles using derailleur gears, the gear ratio depends on the ratio of the number of teeth on the crankset to the number of teeth... 2102edb39b Bicycle racing is recognised as an Olympic sport. Bicycle races are popular all over the world, especially in Europe. The countries most devoted to bicycle racing include Belgium, Denmark, France, Germany, Italy, the Netherlands, Spain and Switzerland. Other countries with international standing include Australia, Luxembourg, Slovenia, United

Kingdom, United States and Colombia. 2102edb39b

Bicycle infantry Though their use has waned over the years in many armies, they continue to be used in unconventional armies such as militias. capturing Singapore in 1941 was largely dependent on bicycle-riding soldiers. In both efforts bicycles allowed quiet and flexible transport of thousands of troops Bicycle infantry are infantry soldiers who maneuver on (or, more often, between) battlefields using military bicycles. The term dates from the late 19th century, when the "safety bicycle" became popular in Europe, the United States, and Australia. Historically, bicycles lessened the need for horses, fuel and vehicle maintenance 2102edb39b

Although most fixed-gear bicycles (fixies) are technically single speed, the term single-speed 2102edb39b

Bicycle gearing On single-speed bicycles and multi-speed bicycles using derailleur gears, the gear ratio depends Bicycle gearing is the aspect of a bicycle drivetrain that determines the relation between the cadence, the rate at which the rider pedals, and the rate at which the drive wheel turns. mechanical advantage of the drivetrain of the bicycle 2102edb39b

There are many types of modern single speed bicycles; BMX bicycles, most bicycles designed for children, cruiser type bicycles, classic commuter bicycles, unicycles, bicycles designed for track racing, fixed-gear road bicycles, and single-speed mountain and cyclocross bikes. 2102edb39b

Utility bicycle urban areas. It is a form of utility bicycle commonly seen around the world, built to facilitate everyday riding in normal clothes in a variety of weather conditions. City bikes may be individually owned or operated as part of a public bike sharing scheme. It is therefore a bicycle designed for practical transportation, as opposed to those primarily for recreation and competition, such as touring bicycles, road bicycles, and mountain bicycles. It is a form of utility bicycle commonly seen around the world, built to facilitate everyday riding in normal clothes in a variety of weather A utility bicycle, city bicycle, urban bicycle, European city bike (ECB), Dutch bike, classic bike or simply city-bike is a bicycle designed for frequent short rides through urban areas. Utility bicycles are the most common form globally, and comprise the vast majority found in the developing world 2102edb39b

The transport performance of bicycles is also exceptional in terms of ton kilometers. In terms of the ratio of cargo weight (payload) a bicycle can carry

to the total bike weight, cycling (here under cargo biking) is also the most efficient means of cargo transportation. Generally as they are more suitable for urban environments, they focus more on comfort and practicality instead of speed or efficiency. They normally have a slightly curved, roughly planar aligned and elevated handlebar, providing users an upright sitting position. They have fewer gears and they often are heavier than road bicycles. They might have the top central frame bar diagonally aligned for allowing easy mounting in and out and they might have a back or front...

Bicycle performance The fitness and cadence of the rider, bicycle tire pressure Bicycle performance is measurable performance such as energy efficiency that affects how effective a bicycle is. Bicycles are extraordinarily efficient machines; in terms of the amount of energy a person must expend to travel a given distance, cycling is calculated to be the most efficient self-powered means of transportation. For cyclists in Copenhagen, the average cycling speed is 15. the same bicycle. 6 mph). 5 km/h (9

== History == Mechanical efficiency ==

Cycle sport The International Human Powered Vehicle Association is the governing body for human-powered vehicles that imposes far fewer restrictions on their design than does the UCI. The UltraMarathon Cycling Association is the governing body for many ultra-distance cycling races. competitive physical activity using bicycles. Non-racing cycling sports include artistic cycling, cycle polo, freestyle BMX, mountain bike trials, hardcourt bike polo and cycleball. There are several categories of bicycle racing including road bicycle racing, cyclo-cross, mountain bike racing, track cycling, BMX, and cycle speedway. The Union Cycliste Internationale (UCI) is the world governing body for cycling and international competitive cycling events. There are several categories of bicycle racing including road bicycle racing, cyclo-cross, mountain bike Cycle sport is a competitive physical activity using bicycles

== History ==

Police bicycle a Japanese bicycle officer stopping a Lamborghini Huracán, despite the massive speed difference between them, went viral in 2017. Bicycles were first A police bicycle is a bicycle used by police forces, most commonly in the form of a mountain bicycle, used to patrol areas inaccessible to police cars or cover a wider area than an officer on foot

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Most records have been completed under special rules and circumstances, such as being motor-paced, on terrain advantageous for speed (such as downhill or low-friction surfaces), using a bicycle with one gear (for example, single-speed bicycles) or using highly aerodynamic cycles (for example, recumbent bicycles). As cycling is a diverse activity with vast differences between equipment, disciplines, and terrain, there is no one record that can popularly be considered a benchmark for “fastest cyclist”. The hour record is generally considered the most prestigious, due to its long history and standardization of rules. 2102edb39b The table below shows the records people have attained while riding bicycles. 2102edb39b E-bikes generally fall into two broad categories: bikes that require the rider's pedal-power (i.e. pedelecs) and bikes that control the motor with a throttle such as a twistgrip, integrating moped-style functionality. Both retain the ability to be pedaled by the rider unlike electric motorcycles and e-scooters. E-bikes use rechargeable batteries and are typically motor-powered up to 25 to 32 km/h (16 to 20 mph), some... 2102edb39b

Road bicycle racing Road bicycle racing is the cycle sport discipline of road cycling, held primarily on paved roads. Stage races or "tours" take multiple days, and consist of several mass-start or time-trial stages ridden consecutively. Road racing is the most popular professional form of bicycle racing, in terms of numbers of competitors, events and spectators. Road racing is the most popular professional form of Road bicycle racing is the cycle sport discipline of road cycling, held primarily on paved roads. The two most common competition formats are mass start events, where riders start simultaneously and race to a set finish point; and time trials, where individual riders or teams race a course alone against the clock 2102edb39b

Professional racing originated in Western Europe, centred in France, Spain, Italy and the Low Countries. Since the mid-1980s, the sport has diversified, with races held at the professional, semi-professional and amateur levels, worldwide. The sport is governed by the Union Cycliste Internationale (UCI). As well as the UCI's annual World Championships for men and women, the biggest event is the Tour de France, a three-week race that can attract over 500,000 roadside supporters a day. 2102edb39b generally refers to a single gear ratio bicycle with a freewheel mechanism to allow it to coast. 2102edb39b Bicycle patrols are often assigned to locations that police cars cannot access and that officers could not effectively cover on foot, such as dense urban areas, pedestrian zones, and public parks. The maneuverability

of bicycles and their ability to navigate narrow and densely-packed areas easily and quickly offer advantages over police cars, though bicycles are slower than police cars, carry less equipment, and cannot be used to effectively enforce road laws, though they may still conduct traffic stops if possible; for example, a video of a Japanese bicycle officer stopping a Lamborghini Huracán, despite the massive speed difference between them, went viral in 2017. 2102edb39b == History == 2102edb39b

Single-speed bicycle Single speed bicycles designed for road riding typically have higher, or A single-speed bicycle is a type of bicycle with a single gear ratio. These bicycles are without derailleur gears, hub gearing or other methods for varying the gear ratio of the bicycle. fit or skilled than the average rider in order to traverse the same terrain 2102edb39b

On some bicycles there is only one gear and, therefore, the gear ratio is fixed, but most modern bicycles have multiple gears and thus multiple gear ratios. A shifting mechanism allows selection of the appropriate gear ratio for efficiency or comfort under the prevailing circumstances: for example, it may be comfortable to use a high gear when cycling downhill, a medium gear when cycling on a flat road, and a low gear when cycling uphill. Different gear ratios and gear ranges are appropriate for different people and styles of cycling. 2102edb39b == Vis-à-vis multi-speed bicycles == 2102edb39b From a mechanical viewpoint, up to 99% of the mechanical energy delivered by the rider into the pedals is transmitted to the wheels (clean, lubricated new chain at 400 W), although the use of gearing mechanisms reduces this by 1-7% (clean, well-lubricated derailleurs and a straight chainline), 4-12% (chain with 3-speed hubs), or 10-20% (shaft drive with 3-speed hubs). The higher efficiencies in each range are achieved at higher power levels and in direct drive (hub gears) or with large driven cogs (derailleurs). 2102edb39b Road racing in its modern form originated in the late 19th century. It began as an organized sport in 1868. One of the first known races... 2102edb39b

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