

I'm human



Helsinki experiences a wide range of temperatures throughout the year, from -1.9°C to 21.5°C (28.6°F to 70.7°F) on average. The coldest month is February, with an average high of -1.9°C and low of -7.4°C, while July is the warmest month with highs reaching up to 21.5°C and lows around 14.2°C. Rainfall is most common from May to October, with April being the driest month, receiving only 11 days of rain. The months with the highest UV index are June and July, averaging a maximum of 5. Helsinki's sea temperature varies throughout the year, with February and March being the coldest at around 1°C (33.8°F). The warmest seawater is found in August, with an average temperature of 16°C (60.8°F). The city experiences long winters from November to March, with short days and little sunshine. In contrast, summers are mild and partly cloudy, making June to mid-August the best time for warm-weather activities. Helsinki's climate can be summarized as follows: * Long, cold, snowy winters * Mild, partially cloudy summers * Comfortable temperatures from late June to mid-August * Coldest month: February (average low of -7.4°C) * Warmest month: July (average high of 21.5°C and average low of 14.2°C) Helsinki, Finland experiences significant changes in temperature and precipitation throughout the year. In terms of temperature, the average highs range from 29°F to 70°F (around -2°C to 21°C), while lows range from 19°F to 58°F (-7°C to 14°C). The clearest part of the year is from April to October, with July being the cloudiest month. The cloudier part of the year is from October to April, with January being the cloudiest. The city experiences a wet season from June to January, with an average of 9.4 days per month having at least 0.04 inches of precipitation. November is the month with the most wet days. Rain is the most common form of precipitation for 11 months, while snow is more common in January and February. The city also experiences some seasonal variation in monthly rainfall, with October being the wettest month and February being the driest. To show the variation within each month, the text includes a graph showing the accumulated rainfall over a 31-day period centered around each day of the year. Overall, Helsinki's climate is characterized by cold winters and mild summers, with some seasonal variation in temperature and precipitation throughout the year. Rainfall: The annual rainfall in Helsinki varies greatly, with some days receiving over 2 inches of rain and others seeing none. Snowfall: The snowy period lasts from October to April, with January being the month with the most snow (5.8 inches). The least snow falls around July 30, with an average total accumulation of 0 inches. Daylight Hours: Helsinki experiences extreme variations in daylight hours throughout the year, with the shortest day on December 21 having only 5 hours and 49 minutes of daylight, and the longest day on June 21 having 18 hours and 56 minutes. Earliest sunrise is at 3:53 AM on June 19, while the latest sunset is at 10:50 PM on June 23. Daylight Saving Time: Helsinki observes daylight saving time from March 30 to October 26 in 2025. Sun's Elevation and Azimuth: The figure presents a compact representation of the sun's elevation and azimuth for every hour of every day in the reporting period. Black isolines are contours of constant solar elevation. Lunar Data: The figure presents key lunar data for 2025, including when the moon is above the horizon, new Moons, and full Moons. Humidity Comfort Level: Helsinki's humidity comfort level is based on dew point, which determines whether perspiration evaporates from the skin. The perceived humidity level remains relatively consistent throughout the year, with a small variation in the percentage of time spent in muggy, oppressive, or miserable conditions. Wind Vector: This section discusses the hourly average wind vector (speed and direction) at 10 meters above the ground. The average hourly wind speed in Helsinki varies significantly throughout the year, with a notable seasonal fluctuation. From September 17 to March 7, the city experiences an unusually windy period, averaging over 9.2 miles per hour, while December holds the title of the windiest month, with an average of 11.2 miles per hour. Conversely, from March 7 to September 17, Helsinki is generally calm, with a lower average hourly wind speed of 7.1 miles per hour, as June takes the honor of being the calmest month. Additionally, the prevailing wind direction in Helsinki changes throughout the year, primarily coming from the south for about two months and from the west for approximately seven months. Given its proximity to a significant body of water, Helsinki's average surface water temperature undergoes substantial seasonal shifts, ranging between 32°F and 62°F. The warmest waters occur in August, averaging around 62°F, while the coolest are detected in March, at an average of 33°F. To assess the pleasantness of the weather throughout the year, two travel scores are calculated, favoring clear days with perceived temperatures within a specific range. JanFebMarAprMayJunJulAugSepOctNovDec Helsinki's temperature ranges vary linearly throughout the year, with a score of 9 for temperatures around 65°F (18°C), rising to 10 for 75°F (24°C) and falling back down to 1 for temperatures above 90°F (32°C). The beach/pool temperature score follows a similar pattern but peaks at 82°F (28°C). The growing season in Helsinki, defined as the longest continuous period of non-freezing temperatures, typically lasts around 4.8 months from May 8 to October 1. Growing degree days measure yearly heat accumulation and are used to predict plant and animal development. In Helsinki, this would start around May 23, based on growing degree days alone. The average daily incident shortwave solar energy experiences extreme seasonal variation, with the brighter period lasting from May 5 to August 10 and peaking in June at an average of 6.2 kWh per square meter. Helsinki's geographical coordinates are 60.170 deg latitude, 24.935 deg longitude, and 85 ft elevation. The topography within 50 miles contains only modest variations in elevation, with the area mostly covered by water (49%) and trees (32%). This report analyzes typical weather patterns in Helsinki based on a statistical analysis of historical hourly weather reports from January 1, 1980 to December 31, 2016. Helsinki's temperature records are corrected for elevation differences using the International Standard Atmosphere and MERRA-2 satellite-era reanalysis, then weighted averages are calculated based on distance from Helsinki to each station. The contributing stations include EFHF and EETN, with weights proportional to their distance from Helsinki. A comparison of these sources is available to demonstrate their agreement. Other data, such as the Sun's position and weather patterns like cloud cover and precipitation, come from NASA's MERRA-2 reanalysis and other global models. Land use data comes from the Global Land Cover SHARE database, while elevation data is provided by NASA's SRTM. Time zones and names are sourced from GeoNames and AskGeo.com, respectively. Maps are © OpenStreetMap contributors. Please note that weather data may contain errors or be incomplete, and our travel scores are only as accurate as the underlying data. Helsinki, Finland has a Dfb climate classification according to the Köppen-Geiger system, with an average temperature of 6.1°C (42.9°F) per year. The annual rainfall is around 730 mm (28.7 inches). The summer months, from June to September, are characterized by relatively short days and cool temperatures. The driest month is April, with just 40 mm (1.6 inches) of rainfall, while August receives the most precipitation at an average of 92 mm (3.2 inches). July is the warmest month, with an average temperature of 18.3°C (64.9°F). The lowest average temperature recorded in Helsinki is -4.9°C (23.3°F) in February, while the highest is 18.3°C (64.9°F) in July. The location is situated in the northern hemisphere. Analyzing the data from 1991 to 2021, it's observed that: * November has the highest relative humidity at 87% * May has the lowest relative humidity at 67.76% * December is the wettest month with an average of 13.20 rainy days * The difference in precipitation between the driest and wettest months is around 42 mm (2 inches) * The average temperature varies by 23.1°C (41.7°F) throughout the year. Overall, Helsinki's climate is characterized by cool summers, mild winters, and significant variation in precipitation throughout the year. Helsinki, Finland experiences varying amounts of sunshine throughout the year. In June, it receives an average of 12.25 hours of sunlight per day and a total of 379.74 hours for the entire month, making it one of the sunniest cities in June globally. On the other hand, January is the darkest month with only 1.54 hours of sunshine per day and a total of 47.88 hours. In terms of water temperature, Helsinki's average annual temperature is around 7.20°C (44.96°F). The highest recorded temperature occurs in July at an average of 18.30°C (64.94°F), while the lowest recorded temperature is -1.10°C (30.02°F) in February. The Gulf of Finland, which borders Helsinki, plays a significant role in determining the city's water temperature. The closest airports to Helsinki are Helsinki Airport and nearby Turku, Tampere-Härmälä, and other regional airports. Additionally, Helsinki is easily accessible by air from various European cities, including London, Athens, Ljubljana, Copenhagen, New Delhi, Vienna, Paris, Hamburg, Oslo, Bremen, Alicante, Málaga, Beijing, Stockholm, Gothenburg, Kyiv, Minsk, Gdańsk, Riga, and Frankfurt am Main.

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