Met Office

Postcode Sector Data

A seamless set of past weather data and accurate forecasts for your chosen postcode sector.

We've developed Postcode Sector Data to help you excel in identifying weather impacts on your business and use this actionable intelligence to plan effectively and enhance your results.

What is the Postcode Sector data set?

- Combines model-generated past weather data from 2011 up until now and hourly forecasts for up to 14 days.
- It's available for 9000+ postcode sectors (e.g. EX1 1) within the UK and Northern Ireland and larger cities in the Republic of Ireland.
- Provides information for over 80 parameters such as e.g. temperature, wind, rain, snow, solar, cloud and more.

The key benefits of Postcode Sector Data

Actionable insights for effective planning

One consistent set of past weather data and forecasts (like for like analysis). It allows you to understand how past weather impacted critical processes in your business (e.g. sales, footfall, operations); and anticipate and benefit from the influence of similar weather in the future.

Learn more >

Available for your chosen location

9000+ postcode sectors provide exceptional spatial coverage. Postcode Sector Data is especially useful for urban areas and locations where the observed data are not available due to the lack of an observing network.

Accurate, dependable forecasts

Postcode Sector Data is created by blending eight supercomputer weather prediction models incorporating real-life observations. Combining all these elements in an intelligent way allows for a significant improvement in forecast accuracy.

A large number of parameters

To meet a variety of business needs Postcode Sector Data offers over 80 weather parameters to choose from, including probabilistic, at height, and weather codes.

Seamless set of past weather data

Using models allows us to fill in gaps where the observed data isn't available. That means we can provide not only greater spatial but also temporal (time) data coverage to suit your business needs.

Percentiles helping to assess risk

Postcode Sector Data offers a probability forecast for several parameters. This means we can express the uncertainties to the range of possible values of different parameters. Knowing the probability of certain weather events occurring will allow you to better assess risk and make informed decisions.

How various businesses use Postcode Sector Data

As a seamless combination of historical weather data and forecasts, Postcode Sector Data allows businesses to discover weather insights from the past and apply this intelligence to future planning and operations.

Read on to see how businesses from various industries benefit from using Postcode Sector Data:

A restaurant chain uses weather data such as temperature, UV and wind speed to plan how many sittings they will need in outdoor sitting areas. Weather parameters also guide them to how many employees they will need on the floor on a particular day.

Hospital and ambulance services use weather information for the anticipation of different types of accidents (e.g. air pressure is linked to the number of heart attacks, frosty weather to the number of hip replacements). As a result, they can forecast the demand for ambulances and hospitals. For example, the weather forecast gives them an indication of how many more ambulance callouts they may expect.

Poultry farmers use weather data to track and control humidity inside the barns. The humidity is a key factor to keep under control as too much or too little moisture can cause disease. Thanks to set humidity thresholds and location-specific forecasts farmers know when to turn the air conditioning and dehumidifiers on. This enables them to grow animals more efficiently in the most desirable and least stressful environment.

Biscuit manufacturers use Postcode Sector Data for weather warnings to protect their chocolate biscuits from melting during hot summer months. Their warnings are based on temperature thresholds and alert their warehouses and logistics team in advance of any temperature peaks. That way they can deliver 'perfect' biscuits to customers across the UK.

Water companies use Postcode Sector Data to help prepare the amount of clean water they need to process and deliver. Postcode Sector Data feeds into the water demand models the Met Office provides to its customers. Based on the relationships between the weather parameters and water usage in a water company's area, they can predict the change in water demand due to the weather changes, up to 10 days in advance.