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Useful Data Feeds for Supply Chain Risk Management

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The following data sets and feeds could be used to analysis risk to supply chains posed by a variety of events. Data relating to weather, geopolitics and natural disasters can be obtained at a low cost or in many cases at no cost. In the case of weather, organisations like the Met Office provide paid services that can give historical and forecast data which can be used with statistical tools to generate predictions around the likelihood of future conditions becoming prevalent.

Feed	Source	Potential UseW	URL	Description
Weather Warning RSS Feeds	UK Met Officet	Preparing for extreme weather events that may cause supply chain disruption.	https://www.metoffice.gov.uk/weather/guides/rss	The UK Met Office offers a range of feeds in XML format ("RSS Content") to RSS enabled browsers or news readers. The feeds contain a brief summary and a link to the full content on the website. Feeds contain a summary of warnings as they are issued. For any one region, warnings may be issued for different days or different weather elements.
Historical Weather Data over a period	Weather Data Online	Planning for weather sensitive events such as harvesting of crops in food production.	https://dpds.weatheronline.co.uk/historical_data/weather_stations_download/#forward	A comprehensive set of data is available to download at a reasonably low price: • Maximum temperature • Wind speed at 100m • Minimum temperature • Snow depth • Mean temperature • Pressure • Precipitation • Humidity • Wind speed at 10m • UV Index (Clear sky) • Wind direction • Sunshine duration • Wind Gust at 10m • Irradiation • Wind speed at 50m • Cloud cover
GEO Political Events Feed	GEO Political Monitor RSS FEED	Using analysis for certain keywords indicative of heightened risk could be useful when considering alternative sources of supply, where a geographical region is at risk.	https://www.geopoliticalmonitor.com/feed/	This feed contains categorised articles on topics ranging from energy, to health, politics and military activity.
GDACS.org	GDACS Global Disaster Alert Co-Ordination System RSS FEED	This detailed data feed can be used to obtain alerts around events related to natural disasters such as earthquake, drought, cyclones and even volcano eruption risks.	https://www.gdacs.org/XML/RSS.xml	GDACS is a cooperation framework between the United Nations, the European Commission and disaster managers worldwide to improve alerts, information exchange and coordination in the first phase after major sudden-onset disasters.

Ready to take the next step and create a data mash-up?

When it comes to Data Analytics at Columbus, we always start with a single question: Why? What is the business need or pain point that you need to address? Let's discuss that and the potential business benefits of an analytics project before we start to think about technology. If you've been inspired too take a more pro-active, data-driven approach to managing the risks external to your business, contact us today.

Via a FREE innovation workshop and a rapid prototyping exercise we can help you connect these data to your existing repositories and create tools that will assist operational teams to keep your business up with a fast and ever changing world.

About Columbus

Columbus is a global IT services and consulting corporation with more than 2,000 employees serving our customers worldwide. We bring digital transformation into your business and position you to thrive far into the future.

We are experts in designing, developing, implementing, upgrading and maintaining digital business applications that help your business succeed in the digital transformation. Our consultants have experience in developing businesses in many different industries all over the world.

We offer a comprehensive solution portfolio with deep industry knowledge, extensive technology expertise and profound customer insight. We have proven this through 30 years of experience serving more than 5,000 customers worldwide.

Let us help you realize the full potential of your business.

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