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# Data discovery

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Inspiration for what  
data can do!



**Data science can...  
bring together river sensor  
data, geographical data  
and population data into  
dynamic maps which  
provide flood alerts.**



**Data science can...  
help you turn thousands of  
rows of fire brigade call outs  
into real-time, interactive  
charts and maps to help  
manage fires.**



**Data science can...  
use social media posts  
about being sick to predict  
outbreaks of Norovirus.**



**Data science can...  
find well-connected groups  
among an ambassador's  
Twitter followers to target  
communications.**



**Data science can...  
scrape supermarket  
websites to show price  
changes in real-time to  
support the Consumer Price  
Index (CPI).**



**Data science can...  
use real time GPS data to  
see where people travel  
to and from, and plan bus  
routes where and when  
people need them.**



**Data science can...  
take advantage of huge  
amounts of disparate,  
real-time data sets to  
make enhanced, accurate  
predictions of the weather.**





**Data science can...  
find specific households  
needing cavity wall  
insulation based on the most  
relevant criteria and target  
resources more effectively.**



**Data science can...  
use longitudinal survey data  
to show journeys of those  
moving on and off sickness  
benefits to help us develop  
new services to support  
people when they most need it**



**Data science can...  
use previously inaccessible  
data, like thousands of  
comments to gov.uk service  
pages to help us spot spikes  
in complaints and predict  
when a service is going to  
be in high demand!**



**Data science shows...  
that men are at higher  
risk than women of going  
onto sickness benefits if  
they have mental health,  
which led to how we have  
developed a new service to  
support people.**



**Data science can...  
link geo-spatial data with  
records of bin collection  
services to improve  
inspections of grease waste  
in New York City (think  
Ghostbusters pink slime!).**

