

# Big Data Corridor (BDC) Platform User Guide

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# Getting Started

## Getting an Account

- 1 Register your interest for the Big Data Corridor by clicking [Register Your Interest](#) in the [SME Support](#) page.

The BDC team will contact you to confirm your eligibility.

- 2 Join the BDC Business Assist Programme.

The BDC team will contact you to complete your enrolment.

- 3 Sign up to the BDC data platform (see Page 5).

Create a password together with your name and email to sign up to the BDC member area.

- 4 Sign into the BDC data platform (see Page 6).

Sign into the BDC member area using your email and password.

## Sign up to the BDC Data Platform



Sign up to create your  
**BigDataCorridor** account

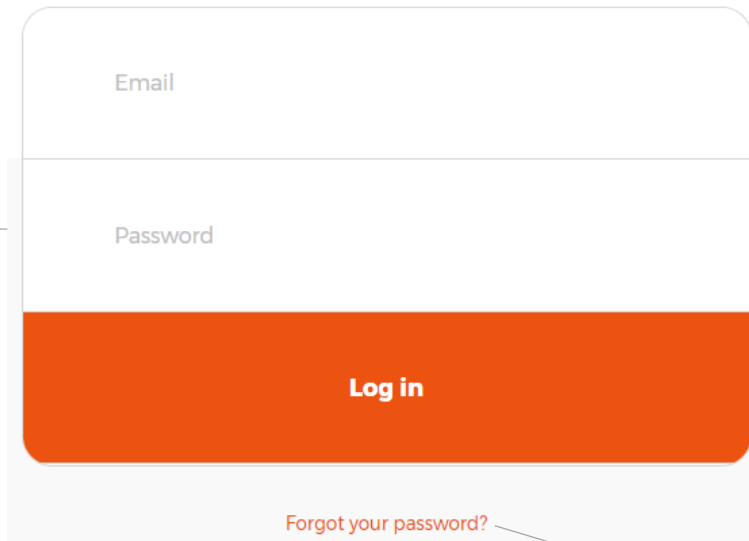
A sign-up form for a BigDataCorridor account. The form is centered on a light gray background. It consists of five input fields stacked vertically: 'First Name', 'Last Name', 'Email', 'Password', and 'Password Confirmation'. Each field has a light gray border and a small label inside. At the bottom of the form is a large orange button with the text 'Create Account' in white.

Here use the same email you provided when you enrolled onto the BDC business assist programme.

Password needs a minimum of 8 lower and upper case characters containing only numbers and letters.

## Sign into the BDC Data Platform

Sign in to your  
**BigDataCorridor** account

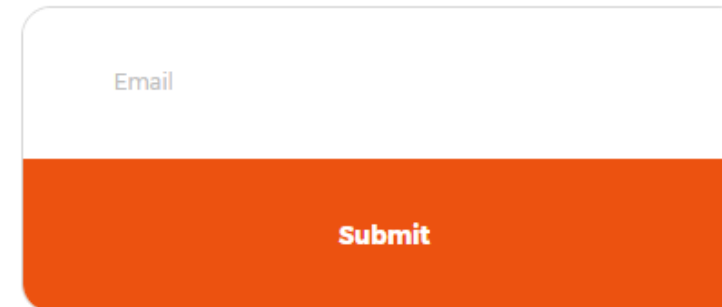


A login form with two input fields: 'Email' and 'Password'. Below the fields is an orange 'Log in' button. At the bottom right of the form is a link that says 'Forgot your password?'.

Sign into the BDC member area using your email and password.

Sign in to your  
**BigDataCorridor** account

Please enter your email address.  
You will receive a link to create a new  
password via email.



A form for resetting a password. It has a single input field labeled 'Email'. Below the field is an orange 'Submit' button.

If you have forgotten your password, use the same email you provided in the BDC business assist enrolment to create a new password.

## Member Area - Dashboard

Click the BDC logo to take you to the main Big Data Corridor site.



Here you can change the font size clicking **A A A** and search in the site using **Q**.

### BigDataCorridor Toolkit Select Below

Learn how to use data to your advantage. Search our datasets and visualise results for Birmingham and the surrounding areas

Here you can access the **Help Desk** (see Page 21).

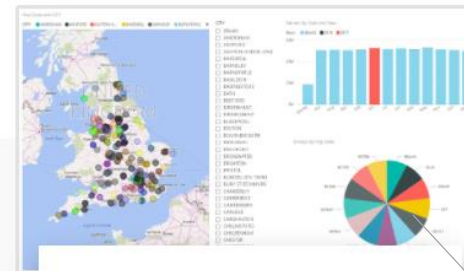
Click **Go to Data** or the image to take you to the BDC Data Hub. (See Page 8)



#### Data

- Browse data by topics, organisations, formats or keywords search.
- Preview data in grids, graphs, maps or document viewers.
- Download data to combine with your private data for particular business needs.

**Go to Data**



#### Visualisation

- Extract business insight through interactive visualisation.
- Blend open data with your private data to generate new business values.
- Produce robust data models, rich and interactive personalised dashboard reports.

**Go to Visualisation**

Click **Go to Visualisation** or the image to take you to the Visualisation page. (see Page 17)

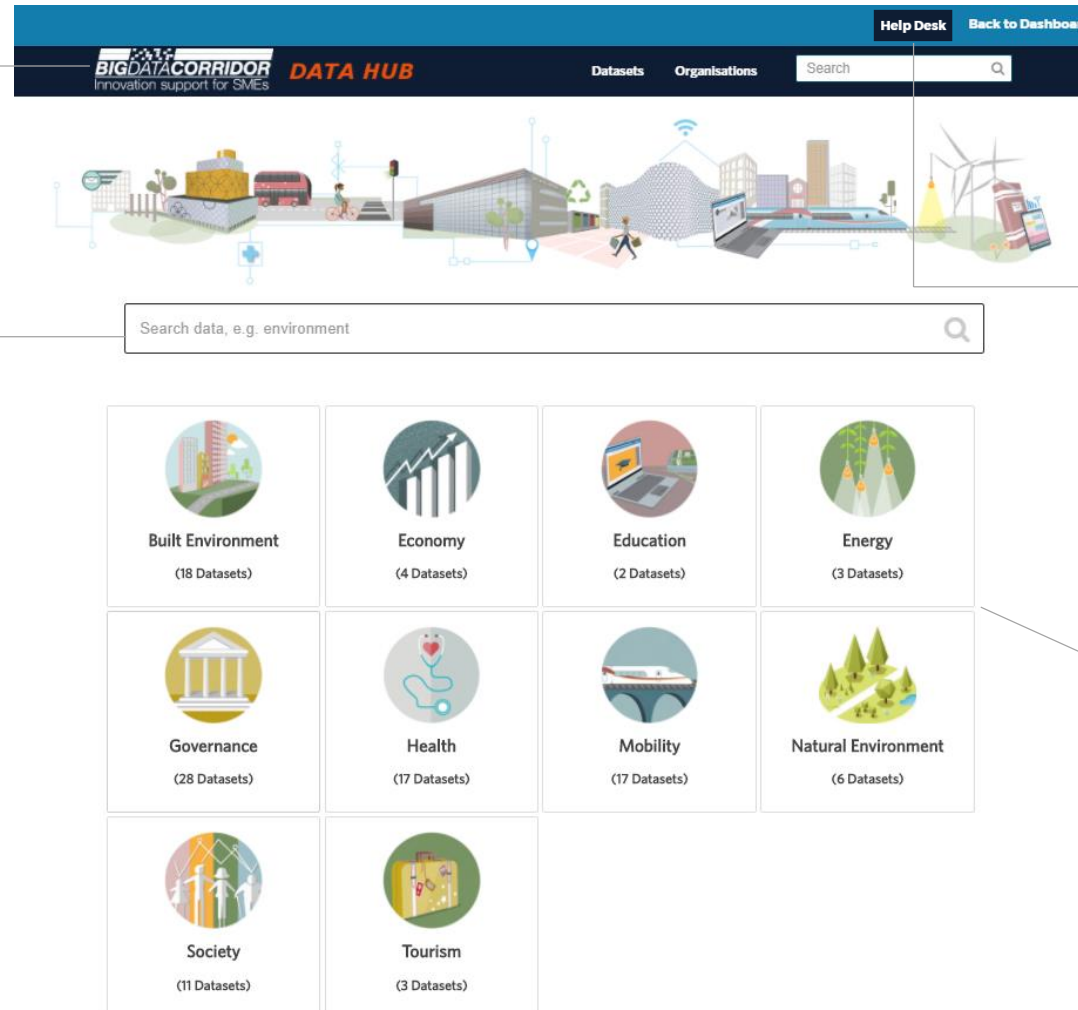
# Data



## Data: Browse, Search, Preview and Download

Here you can navigate to the main Data Hub site, Datasets, Organisations.

Here you can do keyword-based general search across the data hub.



Here you can go to back to the member area Dashboard page.

Here you can access the **Help Desk** (see Page 21).

Here you can browse the datasets by topics. In the Data Hub, topics are known as Groups.

## Data: Dataset listing

Click Datasets to browse all datasets in the Data Hub.

Here you can filter datasets by Organisations, Topic Groups, Tags, Formats and Licenses.

Click Organisations to browse all datasets by Organisations.

Here you can sort the datasets by Relevance, Name Ascending/Descending, Last Modified or Popular.

Here towards the bottom of the page you can navigate to other pages of the list of datasets.

The screenshot displays the 'Data Hub' interface for Big Data Corridor. The top navigation bar includes 'Help Desk' and 'Back to Dashboard' links. The main header shows 'BIGDATACORRIDOR DATA HUB' with 'Innovation support for SMEs' and tabs for 'Datasets' and 'Organisations'. A search bar is present on the right. The left sidebar is titled '/ Datasets' and contains two main sections: 'Organisations' and 'Groups'. The 'Organisations' section lists various entities like Birmingham City Council, Big Data Corridor, NHS Digital, etc. The 'Groups' section lists topics like Governance, Built Environment, Health, etc. The main content area shows '104 datasets found' and a list of datasets. A dropdown menu for 'Order by:' is open, showing options: Relevance, Name Ascending, Name Descending, Last Modified, and Popular. The footer contains links for Privacy Statement, Terms & Conditions, Cookie Policy, and Accessibility, along with copyright information for 2017 Big Data Corridor.

## Data: Dataset listing (Continued)

The screenshot shows the 'Data Hub' interface. At the top, there's a navigation bar with 'Help Desk' and 'Back to Dashboard' links. Below this, the 'DATA HUB' logo is visible, along with tabs for 'Datasets' and 'Organisations'. A search bar is located on the right. On the left, there's a sidebar with a 'Datasets' link and a list of organizations including Birmingham City Council (47), Big Data Corridor (24), NHS Digital (10), Transport for West Midlands (7), West Midlands Fire Service (7), Birmingham and Solihull (1), Birmingham Children's Hospital (1), Birmingham East and North (1), Heart of Birmingham (1), and NHS Birmingham Cross (1). Below the organizations list, there's a 'Show More Organisations' link. The main content area shows a search bar for datasets, a dropdown for 'Order by' set to 'Name Ascending', and a list of 104 datasets found. The first dataset is '16-18 year olds not in education employment or training - West Midland and Birmingham', with a description: 'The estimated number of 16-18 year olds not in education, employment or training divided by the total number of 16-18 year olds known to the local authority whose activity is...'. It has a 'CSV' format icon. The second dataset is 'Air Quality in Birmingham 2015', with a description: 'The pollutants of concern within Birmingham City Council relate to traffic, hence monitoring is focused on nitrogen dioxide (NO2) and fine particles (PM10). However, other...'. It has an 'XLS' format icon. The third dataset is 'Air Quality in Birmingham 2016', with a description: 'The pollutants of concern within Birmingham City Council relate to traffic, hence monitoring is focused on nitrogen dioxide (NO2) and fine particles (PM10). However, other...'. It has 'SHP', 'SHX', 'dBase', and 'XLS' format icons.

Here you can click the Dataset title to view the detail of the dataset.

Here you can view the short description of the dataset.

Here you can view the data resource formats available within this dataset.

## Data: Inside a dataset


The screenshot shows the 'Pharmacies and Dispensaries - West Midland and Birmingham' dataset page. The interface includes a top navigation bar with 'Help Desk' and 'Back to Dashboard' links. The main content area is divided into a sidebar and a main panel. The sidebar contains sections for 'Pharmacies and Dispensaries - West Midland and Birmingham' (with 0 followers), 'Organisation' (Big Data Corridor), 'Social' (Google+, Twitter, Facebook), and 'License' (UK Open Government Licence). The main panel shows the dataset title, a description of the data source (NHS Prescription Services), and a list of data resources (edispensary.xlsx, epharmacyhq.csv, edispensary.csv, epharmacyhq.xlsx) with 'Explore' buttons. At the bottom, there are tags (Health, Location, Pharmacies) and an 'Additional Info' table.

Field	Value
Last Updated	19 September 2017, 13:46 (UTC+01:00)
Created	5 July 2017, 11:09 (UTC+01:00)

Here you read the detailed description of the dataset.

Here you can view a full list of data and resources available within this dataset.

Here is a list of metadata about the dataset.

Click  to take you to the options of Preview or Download the data resource.

Here you can view tags associated to this datasets.

## Data: Inside a dataset (Continued)

The screenshot shows the 'Pharmacies and Dispensaries - West Midland and Birmingham' dataset page. The sidebar on the left identifies the provider as 'Big Data Corridor'. The main content area displays the dataset title, a description of the data source (NHS Prescription Services), and a list of resources including 'edispensary.xlsx', 'epharmacyhq.csv', 'edispensary.csv', and 'epharmacyhq.xlsx'. Each resource has an 'Explore' button. A dropdown menu is shown for the 'edispensary.xlsx' resource, with options for 'Preview' and 'Download'. The page also includes a 'License' section indicating 'UK Open Government Licence (OGL)' and an 'Additional Info' table with fields for 'Last Updated' and 'Created'.

Field	Value
Last Updated	19 September 2017, 13:46 (UTC+01:00)
Created	5 July 2017, 11:09 (UTC+01:00)

Here is the provider of this dataset.

Click the resource name to bring you the resource page.

Here you can view the licence information for this dataset.

In **Explore** dropdown button, select Preview to go to the resource page or select Download to download the resource to your local workstation.

## Data: Inside a resource

**edispensary.xlsx**

URL: <http://birminghamdata.org/dataset/51e4bb45-3970-42da-8e67-28b0e4a66df2/resource/b9009abe-28bd-49cb-935d-e39d8bece4b5/download...>

**From the dataset abstract**

New data is now being supplied by the NHS Prescription Services (NHS PS) which identifies dispensaries (pharmacies) in Birmingham and West Midlands. The Organisation Data Service (ODS)...

Source: [Pharmacies and Dispensaries - West Midlands and Birmingham](#)

[Data Explorer](#)

[Embed](#)

**Add Filter**

Grid Graph Map 718 records 1 - 100 Search data ... Go Filters

_id	Name	National...	High Le...	Address...	Address...	Address...	Address...	Address...	Postcode	Open Date
1	LLOYDS...	Y55	Q77	396 LON...	ROWLE...	WARLEY	WEST M...		B65 0JE	198912
2	LINTHO...	Y51	Q34	104 WE...	SELY ...	BIRMIN...			B29 5PT	194801
3	LLOYDS...	Y51	Q34	317 FOX...	ACOCK...	BIRMIN...			B27 7PS	194801
4	HURCO...	Y55	Q77	11 WHE...	LOZELLS	BIRMIN...			B19 2ER	198602
5	BELLEV...	Y55	Q77	69 PER...	EDGBA...	BIRMIN...			B5 7NX	201301
6	LLOYDS...	Y51	Q34	111 GRO...	HANDS...	BIRMIN...			B20 2HF	198612
7	LLOYDS...	Y55	Q77	DORDO...	LONG S...	TAMWO...	STAFFO...		B78 1QA	199801
8	FERGU...	Y42	Q34	46 NEW ...	WEST B...	WEST M...			B70 7PT	194801
9	SAINSB...	Y55	Q77	J SAINS...	545 STR...	SHIRLE...	WEST M...		B90 4AJ	199711
10	PHARM...	Y51	Q34	UNIT 9	BROOK...	MOOR L...			B6 7AQ	200810
11	PRINJA ...	Y55	Q77	1128 TY...	ERDING...	BIRMIN...			B24 0SY	198709
12	NOOR P...	Y55	Q77	WATER...	EDGBA...	BIRMIN...			B16 9AL	199911
13	ND CHE...	Y55	Q77	452 COL...	KINGST...	BIRMIN...			B44 0HL	194801
14	HIGH ST...	Y51	Q34	36 HIGH...	ERDING...	BIRMIN...			B23 6RH	201109
15	BOOTS	Y55	Q77	2 WIND...	CAPE HI...	SMETH...			B66 3PR	201204

Here you can download the data resource to your local workstation.

Clicking the [Go to resource](#) button also takes you to the resource download page.

Here is the preview of the data resource in grid, graph or map format.

Here is the description of the data resource.

## Data: Inside a resource (Continued)

Here you can view the list of resources within the same dataset.

Resources

edispensary.xlsx

epharmacyhq.csv

edispensary.csv

epharmacyhq.xlsx

Social

Google+

Twitter

Facebook

Additional Information

Field	Value
Last updated	September 19, 2017
Created	September 19, 2017
Format	XLSX
License	<a href="#">UK Open Government Licence (OGL)</a>
created	4 hours ago
datastore active	True
format	XLSX
has views	True
id	ea8f344c-5469-4391-8126-958c745be3fa
last modified	1 hour ago
on same domain	True
package id	51e4bb45-3970-42da-8e67-28b0e4a66df2
position	3
revision id	52193ed3-179d-440a-a20a-d327126575be
state	active
url type	upload

Hide

Here you can view the metadata of the resource.



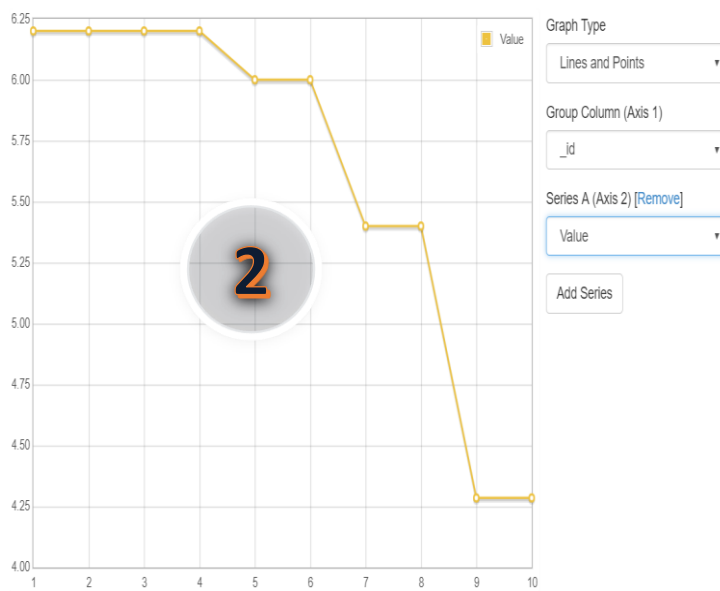
## Data: Ways of displaying the resource preview

In the data resource preview section, according to the data resource format and content, you may preview the resource in:

**1** Grid, **2** Graph, **3** Map, **4** File.

Grid Graph Map 289 records « 1 - 100 » Search data ... Go Filters

_id	Organis...	Name	Address...	Address...	Address...	Address...	Address...	Postcode	Open Date	Close D...
1	P00J	R. K. SI...	SIRPAL ...	274-276 ...		BIRMIN...	WEST M...	B12 8JU	20040401	
2	P011	CARE P...	742 - 74...	WARD E...		BIRMIN...	WEST M...	B8 3PP	20040401	
3	P03X	ALCOC...	566-568 ...	SPARKH...		BIRMIN...	WEST M...	B11 4AN	20040401	2006030
4	P04G	MANOR ...	UNITS 1...			BIRMIN...	WEST M...	B61 7DG	20040401	2006070
5	P04J	MASTE...	741A ST...			BIRMIN...	WEST M...	B11 4DG	20040401	
6	P055	FORRE...	413 RO...	GREAT ...		BIRMIN...	WEST M...	B42 1NL	20040401	
7	P059	COOPE...	28 POU...	OLDBURY		BIRMIN...	WEST M...	B68 8LY	20040401	2006080
8	P05D	STAR P...	295 WA...	PERRY ...		BIRMIN...	WEST M...	B42 1TY	20040401	



tradeunionfacilitytimedata.pdf 1 / 2

Trade Union (TU) facility time data for the period 2013/14

Total number of staff who are TU reps, headcount & FTE	TU reps who spend 50% and above on TU duties	A basic estimate of spending on unions (calculated as the number of full time equivalent days spent on union duties multiplied by the average salary)	A basic estimate of spending on unions as a percentage of the total pay bill (calculated as the number of full time equivalent days spent on union duties multiplied by the average salary divided by the total pay bill).
H/C FTE	H/C FTE		
96 53.4	47.5 39.64	£1,8924	0.126%

Names of all Trade Unions represented in the Local Authority

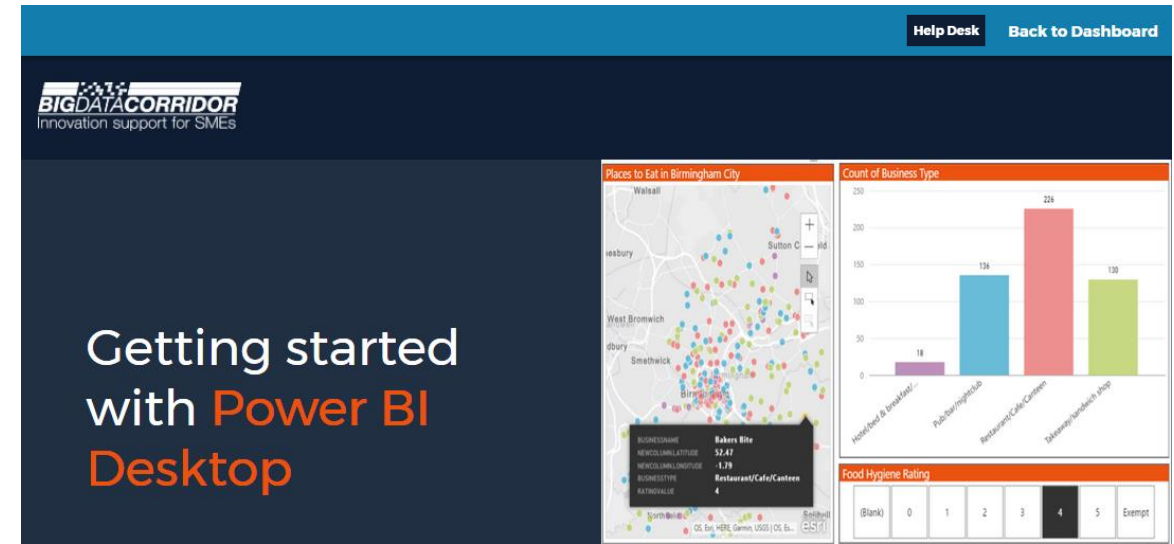
ASCL
NAHT
NASUWT
NUT
ATL
VOICE
GMB



# Visualisation

## Visualisation: Powered by Microsoft Power BI

- 1 Here you can download Microsoft Power BI.
- 2 Here is a short tour of Power BI.
- 3 Here are some video tutorials of Power BI.
- 4 Submit your request if you need more assistance on Power BI from the BDC team.



Download

Power BI Desktop is a free download. You can get the latest version of Power BI Desktop using this [link](#), or for more advanced download options click [here](#).

To find out more details about installation process, you can follow this [link](#).



Getting Started Guide

This [short tour of Power BI Desktop](#) (by David Iseminger) familiarises you with how this tool works, demonstrates what it can do, and accelerates your ability to create robust data models, rich and interactive reports with visual analytics that amplify your business intelligence efforts.



Getting Started Videos

Prefer to watch instead of read? Feel free to take a look at [getting started videos](#) provided by David Iseminger. And if you want to follow along with the video with matching sample data, you can [download this sample Excel workbook](#).

There is also a [YouTube channel for Power BI](#).



Getting More Help

Need more assistance to use Power BI? You can contact the Big Data Corridor support below.

[Get in touch](#)

1

2

3

4

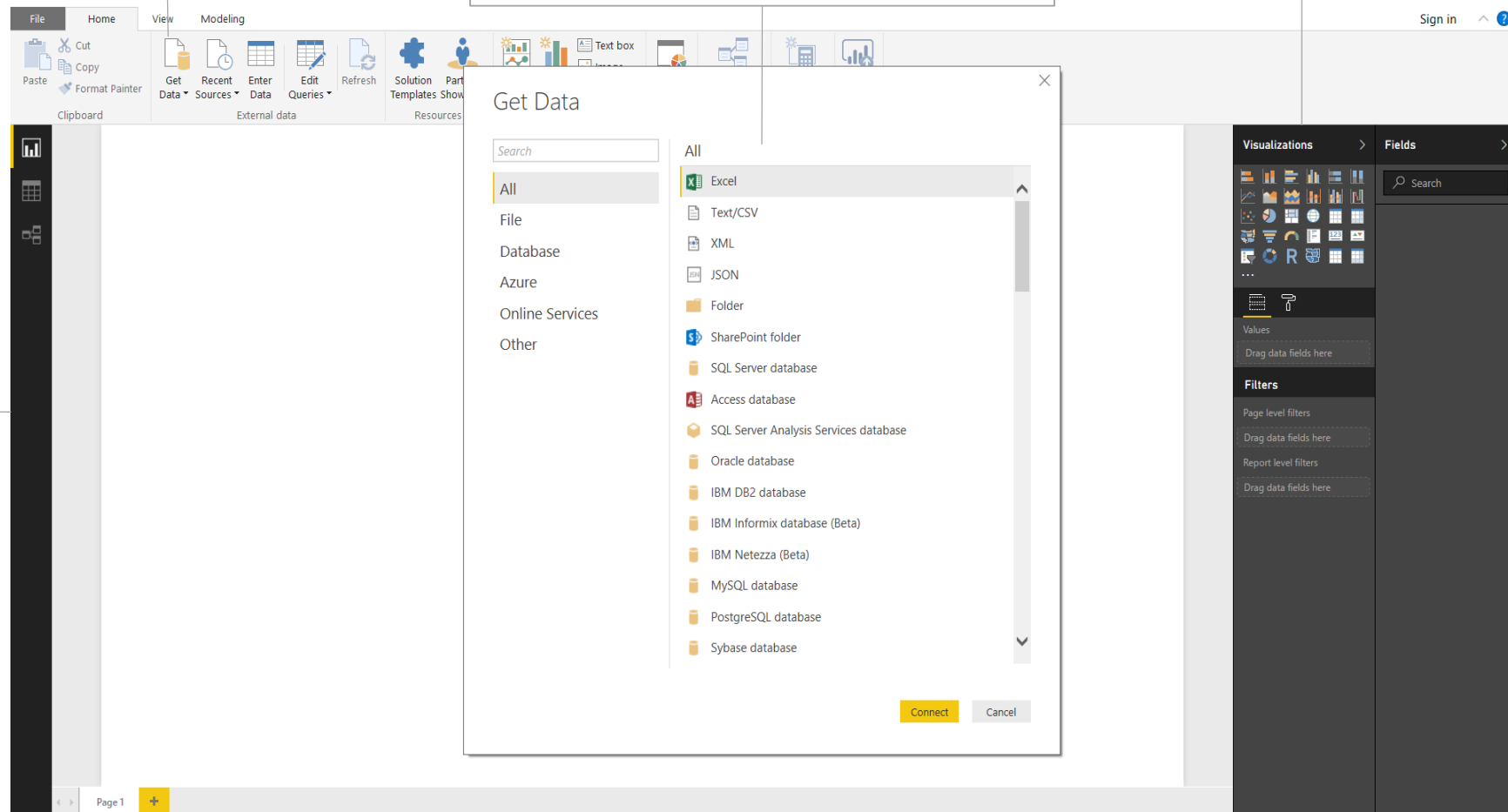
## Visualisation: Inside Power BI Desktop

Here you can import data into Power BI.

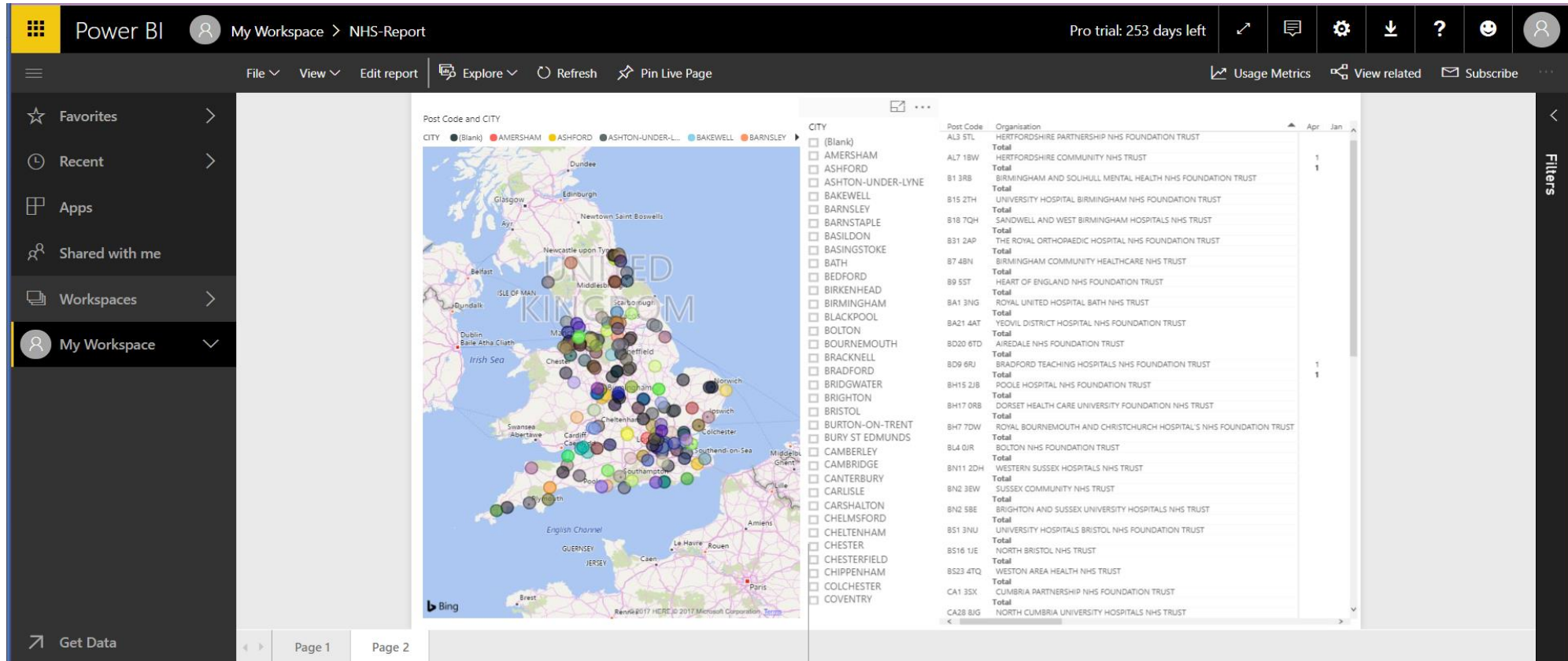
Here you can view various sources and formats.

Here are available visualisations.

Here is the Workspace Area.



## Visualisation: Inside Power BI Desktop (Continued)



Here you can create your own dashboard reports in Power BI.

# Help Desk

## Help Desk – Main Page

The screenshot shows the BigDataCorridor Help Desk interface. At the top is a dark blue header with the logo, a search bar, and navigation links for Dashboard, Help Desk, and Sign Out. Below the header, a light blue banner reads "Advice and answers from the BigDataCorridor team". A search bar with the placeholder "Have a Question? Ask or enter a search term here" and an orange "Search" button is present. The main content area is titled "Browse FAQ's" and features three expandable sections: "Password", "Other", and "Visualisation". Each section contains a list of questions with expandable icons. Callout boxes provide instructions: one points to the search bar, another to the "User guide" button, a third to the "Contact Us" button, and a fourth to the FAQ list.

Here you can search for an answer to your question using key words/terms.

Click **User guide** to access this user guide document.

Click **Contact Us** if the answer to your question is not covered in any of our FAQs.

Here you can view a list of FAQs.

## Help Desk – Contact Us



Get in touch with our  
**BigDataCorridor** team

Fill in the form below to help us understand  
what you are looking for

The image shows a 'Contact Us' form with several sections and callout boxes. The 'Select topic' section has buttons for 'Visualisation', 'Power BI' (highlighted in orange), 'Password', 'Data Catalogue', and 'Other'. The 'Question Summary' section has a text input field with the placeholder 'Please enter a short summary of the problem'. The 'Details' section has a larger text input field with the placeholder 'Please give a full description'. Below the details field is a 'Choose Image' button. At the bottom is a large orange 'Send' button and a link 'Go back to FAQs'. Callout boxes provide instructions for each section: 'Here you can provide the summary of your question.' points to the 'Question Summary' field; 'Here you can choose the topic category of your question.' points to the 'Select topic' buttons; 'Here you can provide the detailed description of your question.' points to the 'Details' field; 'Here you can upload an image for your question.' points to the 'Choose Image' button; and 'Click Send to submit your question. The BDC team will respond to your question within 5 working days.' points to the 'Send' button.

Here you can provide the  
summary of your question.

Here you can choose the topic  
category of your question.

Here you can upload an image for  
your question.

Here you can provide the  
detailed description of  
your question.

Click **Send** to submit your  
question. The BDC team will  
respond to your question  
within 5 working days.

## FAQ - Data Hub

### ➤ How can I use the Big Data Corridor Data toolkit?

The Big Data Corridor Data toolkit provides a search engine to offer several ways of finding the data you want. You can browse all the datasets that are currently available through Datasets tab, or search by keywords, organisation, topic group, file format or licence type. Please check the User Guide on the Help Desk page for details.

### ➤ How were the datasets in the Big Data Corridor Data toolkit collected?

Datasets are currently sourced from a number of open data sites including data.gov.uk, Birmingham Data Factory, NHS Digital, NHS England data catalogue, Birmingham City Council, Transport for West Midlands, data.police.uk, NaPTAN, and Food Standards Agency.

### ➤ Will more data be available in the future?

The Big Data Corridor team is continuing sourcing datasets from various open data sites. If you have any particular request, please submit your request using Contact Us – Data Catalogue on the Help Desk page.

### ➤ Under which licence is the data available?

In general, the data is licensed under the [Open Government Licence](#) and [Creative Common Attribution](#). Please check each dataset for its detail.

### ➤ What are the commercial user rights for the data in the Big Data Corridor Data toolkit?

The [Open Government Licence](#) and [Creative Common Attribution](#) enable you to use data for commercial purpose. Please check each dataset licence for its detail.

### ➤ How can my company publish data in the Big Data Corridor Data toolkit?

Please use Contact Us – Data Catalogue on the Help Desk page to send your request to us. We will help you to publish your datasets. Please note: datasets published in the Big Data Corridor Data toolkit will be accessible by all Big Data Corridor registered users and partner organisations.



## FAQ - Visualisation

### ➤ **How can I use the Big Data Corridor Visualisation toolkit?**

The Big Data Corridor Visualisation toolkit is powered by Microsoft Power BI. Please check the User Guide on the Help Desk page for details.

### ➤ **How can I get assistance on using the Big Data Corridor Visualisation toolkit?**

Please use Contact Us – Data Visualisation or Power BI on the Help Desk page to send your request to us. We will get in touch with you.

### ➤ **Do I need to pay to use Microsoft Power BI?**

Microsoft Power BI desktop version is free to download and use. You can upgrade to Power BI Pro which gives you [additional capabilities](#). If you require Power BI Pro licence while you are in the Big Data Corridor Business Assist Programme, we suggest you get in touch with us through Contact Us – Business Assist on the Help Desk page.

## FAQ - Password/Other

### ➤ Why is my password not accepted?

Your password must contain a minimum of 8 lower and upper case characters containing only numbers and letters. This is to make sure your password and account are secure.

### ➤ I've forgotten my password, how do I reset it?

- 1) Go to Sign In page
- 2) Select 'Forgotten password'
- 3) Follow email reset link
- 4) Reset your password

### ➤ I am having problems accessing the website. Some of the pages look weird.

As BigDataCorridor uses some of the latest graphics designs which may not be supported in lower version of browsers, it is recommended that you use the following browsers to access the platform:

- 1) Microsoft Internet Explorer Version 10 onwards. Download the latest Microsoft Internet Explorer at: <http://windows.microsoft.com/en-us/internet-explorer/download-ie>
- 2) Mozilla Firefox Version 10 onwards. Download the latest Mozilla Firefox at: <https://www.mozilla.org/en-US/firefox/new/>
- 3) Google Chrome Version 12 onwards. Download the latest Google Chrome at: <https://www.google.com/chrome/browser/desktop/>

In addition, please ensure that your Javascript and Cookie is enabled on your browser.



# **BIGDATACORRIDOR**

Innovation support for SMEs

DRIVING GROWTH AND DEVELOPMENT

<http://bigdatacorridor.com/>

PROJECT NO. 12R16P00220



**European Union**  
European Regional  
Development Fund