

Eat Out To Help Out Guide (Created by Simray, 4 Aug 2020)

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1) Checking data

The first thing you want to do is to check the information on the official government website (https://www.tax.service.gov.uk/eat-out-to-help-out/find-a-restaurant/?_ga=2.4603571.1850882643.1596374356-556899206.1586462775) by inputting your post code to look at the list of restaurants participating in this scheme. I will use the postcode "L39 4QP" for demonstration purposes in this example. Results obtained shows 80 restaurants within 5 miles of L39 4QP (Figure 1)!

Registered restaurants within 5 miles of L39 4QP

Your search results may not include participating restaurants in larger chains.

[Check which chain restaurants have registered](#) for the Eat Out to Help Out Scheme.

Look out for better health choices when selecting somewhere to visit.

80 results found

Ormskirk hospital restaurant

0.36 miles away

Ormskirk & District General Hospital, Wigan Road, Lancashire, L39 2AZ

The Cricketers

0.58 miles away

24 Chapel Street, Lancashire, L39 4QF

Figure 1: Participating restaurants within 5 miles of the post code

2) Saving information from the site to .txt format

Now, we will have to use the code from the code file "EatOutToHelpOut.py" located in the repo and run it through a python platform to extract the "Name" and "Address" of the participating eateries into a .txt file. All you have to do is to run it and input your postcode. You will have to do a pip install of the modules (requests, html) that are required if you do not have them!

```
import requests
import html

# The script will ask you to input your post code.
print("Please enter your post code.")
print("Please note that spacing is required.")
print("E.g. 'L39 4QP'\n")
print('Enter your post code:')
postcode = input()
postcode = str(postcode)

# This is to create a .txt file in the script's directory, with the file
name being the post code specified.
f = open(postcode + '.txt', 'w')

# The list of registered restaurants within 5 miles of the specified
postcode will be obtained from the government website.
postcode = postcode.split(' ')
url = 'https://www.tax.service.gov.uk/eat-out-to-help-out/find-a-
restaurant/results?postcode=' + \
    postcode[0] + '+' + postcode[1]

r = requests.get(url)
r = r.text

# The script will extract the site's data to obtain the restaurant's name
and its corresponding address.
for line in r.splitlines():
    if '<h3 class="govuk-heading-m"' in line:
        y = line.split('>')[1]
        y = y.split('<')[0]
        y = html.unescape(y)
    if 'govuk-results-address govuk-body' in line:
        x = line.split('>')[1]
        x = x.split('<')[0]
        '''
        for lines in x:
            x = str(x)[1:-1]
            #x = x.replace(" ", "+")
            print(x, end="\n")
        '''
        x = html.unescape(x)
        print(y, ', ', x, end="\n")
        f.write(f'{y} \ {x}\n')
f.close()
```

I usually locate the newly-created .txt file (Figure 2) by just pressing my Windows key and searching for the document "L394QP.txt", before moving it to somewhere accessible.

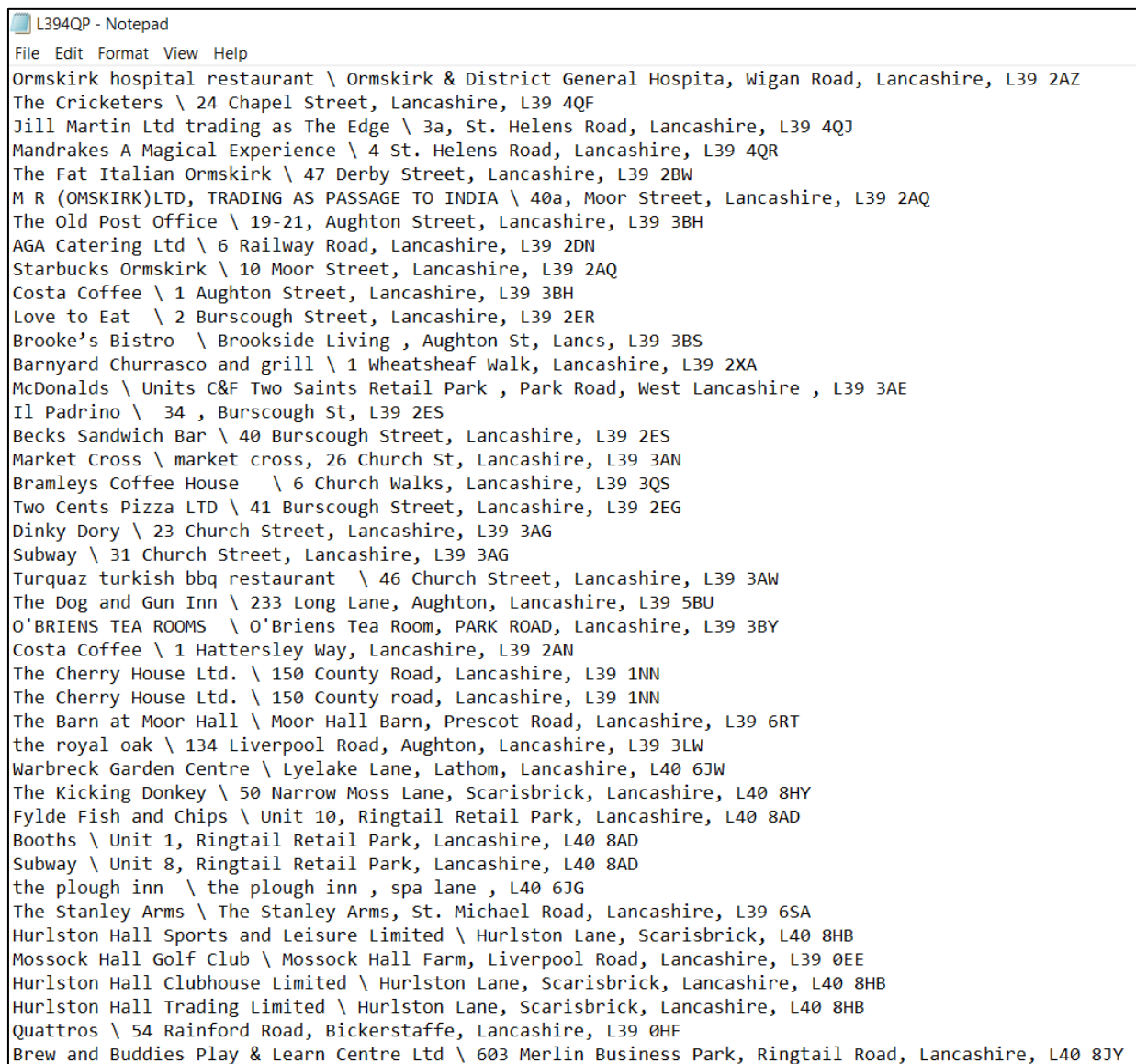


Figure 2: Format of the extracted information opened via Notepad

3) Converting .txt into .xlsx

Open a new Excel document, go to the "Open" tab, search for the .txt file and open it. A new small window "Text Import Wizard" will appear. You need to:

- a) Toggle "Delimited" and press "Next" (Figure 3)

Text Import Wizard - Step 1 of 3

The Text Wizard has determined that your data is Delimited.
If this is correct, choose Next, or choose the data type that best describes your data.

Original data type

Choose the file type that best describes your data:

☒ Delimited - Characters such as commas or tabs separate each field.

☐ Fixed width - Fields are aligned in columns with spaces between each field.

Start import at row: 1 File origin: Windows (ANSI)

☐ My data has headers.

Preview of file C:\Users\LTS_S\OneDrive\Desktop\L394QP.txt.

1	Ormskirk hospital restaurant \ Ormskirk & District General Hospita, Wigan Road, Lancashir
2	The Cricketers \ 24 Chapel Street, Lancashire, L39 4QF
3	Jill Martin Ltd trading as The Edge \ 3a, St. Helens Road, Lancashire, L39 4QJ
4	Mandrakes A Magical Experience \ 4 St. Helens Road, Lancashire, L39 4QR
5	The Fat Italian Ormskirk \ 47 Derby Street, Lancashire, L39 2BW
6	M R (OMSKIRK) LTD, TRADING AS PASSAGE TO INDIA \ 40a, Moor Street, Lancashire, L39 2AQ

Cancel < Back Next > Finish

Figure 3: Step 1 of the Text Import Wizard

- b) Deselect "Tab", Toggle "Other" and in the empty box type \ and press "Next" (Figure 4)

Text Import Wizard - Step 2 of 3

This screen lets you set the delimiters your data contains. You can see how your text is affected in the preview below.

Delimiters

☐ Tab
☐ Semicolon
☐ Comma
☐ Space
☒ Other: \

☐ Treat consecutive delimiters as one

Text qualifier: "

Data preview

Ormskirk hospital restaurant	Ormskirk & District General Hospita, Wigan
The Cricketers	24 Chapel Street, Lancashire, L39 4QF
Jill Martin Ltd trading as The Edge	3a, St. Helens Road, Lancashire, L39 4QJ
Mandrakes A Magical Experience	4 St. Helens Road, Lancashire, L39 4QR
The Fat Italian Ormskirk	47 Derby Street, Lancashire, L39 2BW
M R (OMSKIRK)LTD, TRADING AS PASSAGE TO INDIA	40a, Moor Street, Lancashire, L39 2AQ

< >

Cancel < Back Next > Finish

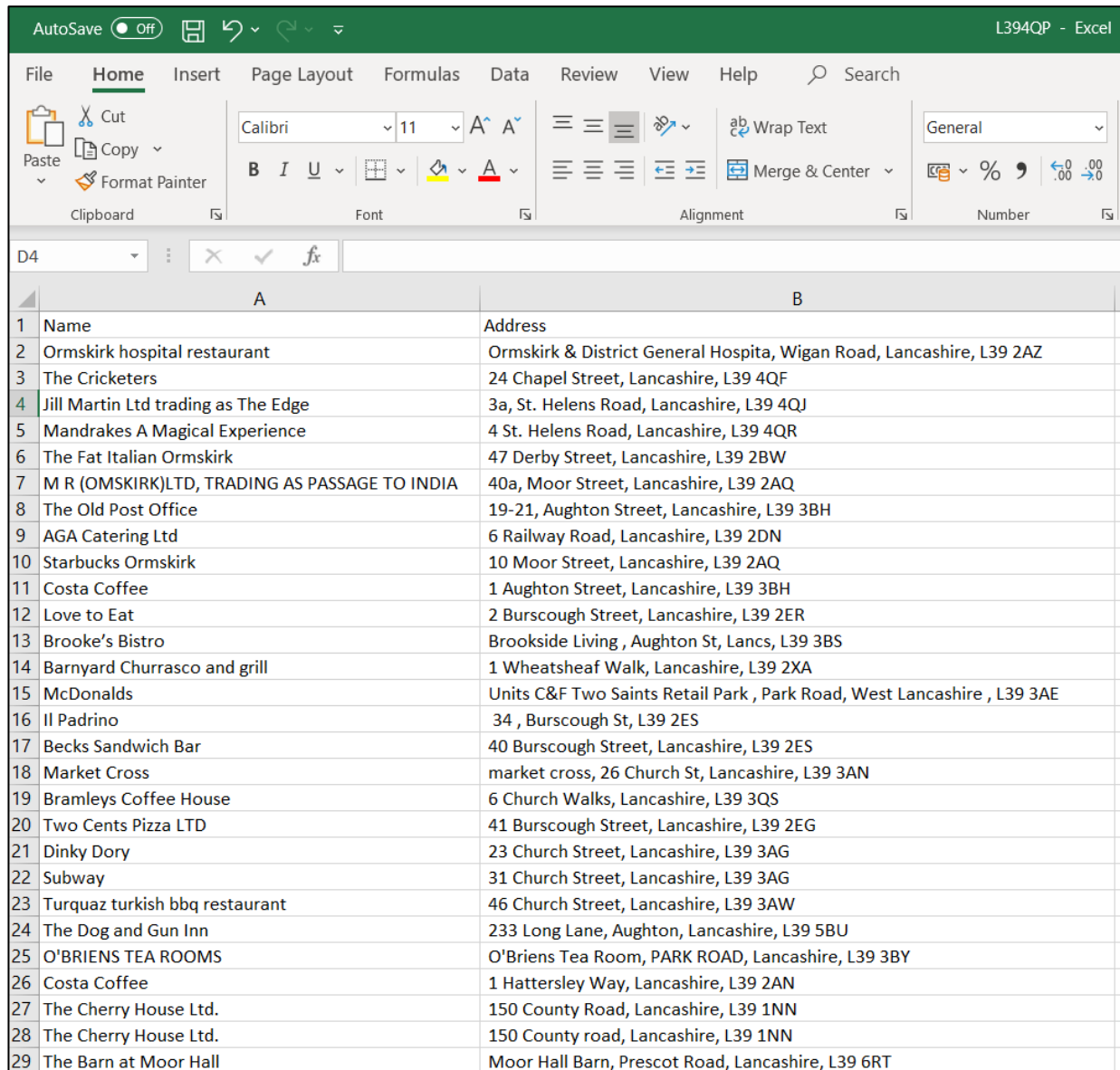
Figure 4: Step 2 of the Text Import Wizard

c) Press "Finish"

What you will get now is 2 columns, the first column with the "Names" of restaurants and the second column with the "Address" of restaurants (Figure 5)

d) Right click on the first row on the left and insert a new row at the top

e) I will input the headers "Name" and "Address" in each column respectively so that it is convenient for me to look at the data!



	A	B
1	Name	Address
2	Ormskirk hospital restaurant	Ormskirk & District General Hospita, Wigan Road, Lancashire, L39 2AZ
3	The Cricketers	24 Chapel Street, Lancashire, L39 4QF
4	Jill Martin Ltd trading as The Edge	3a, St. Helens Road, Lancashire, L39 4QJ
5	Mandrakes A Magical Experience	4 St. Helens Road, Lancashire, L39 4QR
6	The Fat Italian Ormskirk	47 Derby Street, Lancashire, L39 2BW
7	M R (OMSKIRK)LTD, TRADING AS PASSAGE TO INDIA	40a, Moor Street, Lancashire, L39 2AQ
8	The Old Post Office	19-21, Aughton Street, Lancashire, L39 3BH
9	AGA Catering Ltd	6 Railway Road, Lancashire, L39 2DN
10	Starbucks Ormskirk	10 Moor Street, Lancashire, L39 2AQ
11	Costa Coffee	1 Aughton Street, Lancashire, L39 3BH
12	Love to Eat	2 Burscough Street, Lancashire, L39 2ER
13	Brooke's Bistro	Brookside Living , Aughton St, Lancs, L39 3BS
14	Barnyard Churrasco and grill	1 Wheatsheaf Walk, Lancashire, L39 2XA
15	McDonalds	Units C&F Two Saints Retail Park , Park Road, West Lancashire , L39 3AE
16	Il Padrino	34 , Burscough St, L39 2ES
17	Becks Sandwich Bar	40 Burscough Street, Lancashire, L39 2ES
18	Market Cross	market cross, 26 Church St, Lancashire, L39 3AN
19	Bramleys Coffee House	6 Church Walks, Lancashire, L39 3QS
20	Two Cents Pizza LTD	41 Burscough Street, Lancashire, L39 2EG
21	Dinky Dory	23 Church Street, Lancashire, L39 3AG
22	Subway	31 Church Street, Lancashire, L39 3AG
23	Turquaz turkish bbq restaurant	46 Church Street, Lancashire, L39 3AW
24	The Dog and Gun Inn	233 Long Lane, Aughton, Lancashire, L39 5BU
25	O'BRIENS TEA ROOMS	O'Briens Tea Room, PARK ROAD, Lancashire, L39 3BY
26	Costa Coffee	1 Hattersley Way, Lancashire, L39 2AN
27	The Cherry House Ltd.	150 County Road, Lancashire, L39 1NN
28	The Cherry House Ltd.	150 County road, Lancashire, L39 1NN
29	The Barn at Moor Hall	Moor Hall Barn, Prescot Road, Lancashire, L39 6RT

Figure 5: Excel file containing "Name" and "Address" of the participating restaurants

f) "File" > "Save As" > Select Excel Workbook (.xlsx) format and select "Save" Now you have neat classified information in an .xlsx format!

4) Creating a personal Google Map

- Go to [Google Maps](https://www.google.com/maps), select the "Menu" tab on the top left, select "Your places", go to the "MAPS" tab and select "CREATE MAP"
- Click on "Import", "Select a file from your device", find your .xlsx file and open it
- For "Choose columns to position your placemarks", select "Address" and click on "Continue"
- For "Choose a column to title your markers", select "Name" and click on "Finish". Now it will show all the places that was listed on the website (Figure 6)!

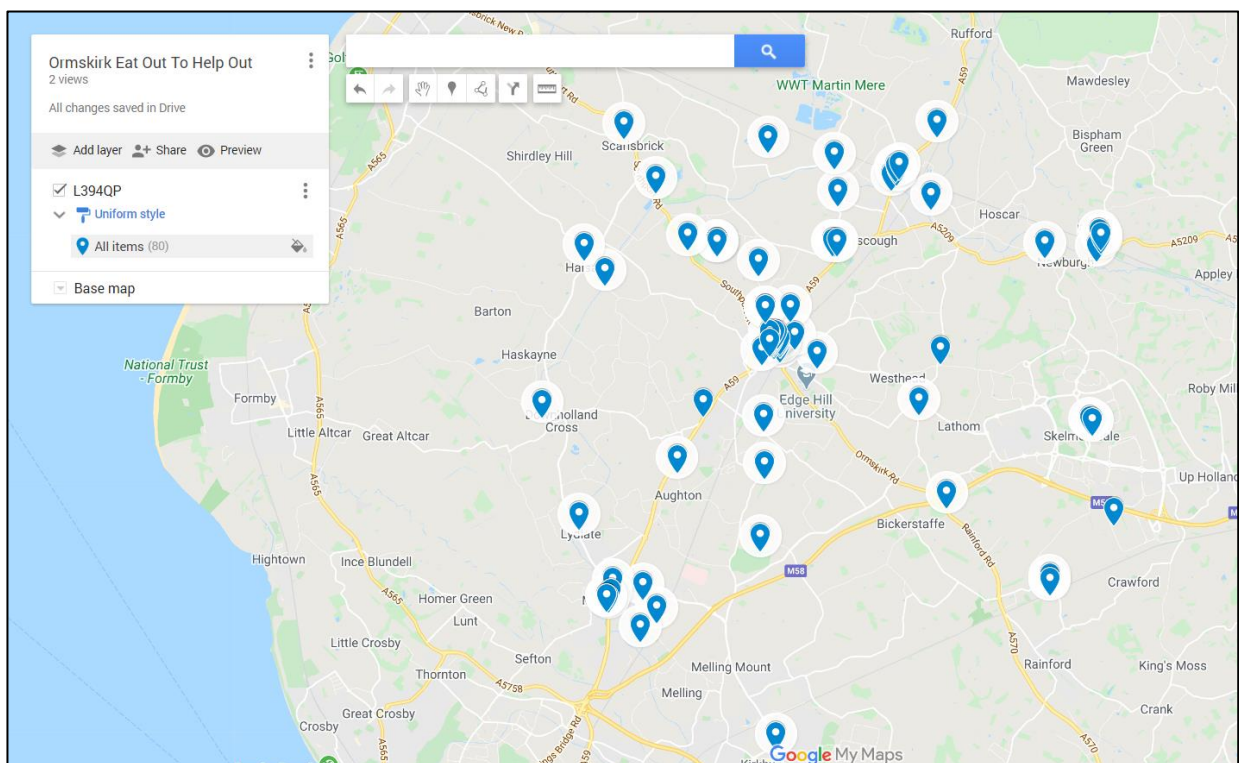


Figure 6: Visualisation of participating restaurants on Google Maps

5) Troubleshooting problems

There were a few situations where I was helping my friend load the places near them and there were some that were not loaded. This can be rectified manually and it is usually around 0-3 incidences per 100 samples.

Unfortunately, we have not found a way to link these destinations with the actual Google Maps business page. We will need to take a look at this and perhaps if someone in the community knows how to solve this issue that would be great!

For now, what we have is a code that can visualize the restaurants participating in the scheme!