

# Food Hygiene Rating Scheme

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## Get data from the website through data scraping

```
# Fetch the page
# https://data.food.gov.uk/catalog/datasets/38dd8d6a-5ab1-4f50-b753-ab33288e3200
# And store it into a variable
data.food.gov.uk.url <-
  "https://data.food.gov.uk/catalog/datasets/38dd8d6a-5ab1-4f50-b753-ab33288e3200"

#Read the html link and store the script into a variable
data.food.gov.uk.pages <- read_html(data.food.gov.uk.url)
data.food.gov.uk.pages

## {html_document}
## <html lang="en">
## [1] <head>\n<meta http-equiv="Content-Type" content="text/html; charset=UTF-8 ...
## [2] <body class="theme--data">\n      <div class="cc_banner-wrapper" id="global ...

# To filter out the data that is not in Welsh language, we need to find the
# individual local authority name
individual_name <- data.food.gov.uk.pages %>%
  html_nodes(".c-dataset-element__item-content") %>%
  html_nodes("h2") %>%
  html_text()

# To know the file type of each file link from this page,
# we need to find the url type
individual_type <- data.food.gov.uk.pages %>%
  html_nodes(".c-dataset-element__item-content") %>%
  html_nodes(".o-dataset-distribution--link")%>%
  html_text()

# To get a url for each file url from this page, we need to use html_attr('href')
# to get the link and store them into a variable (individual_urls)
individual_urls <- data.food.gov.uk.pages %>%
  html_nodes(".c-dataset-element__distribution-files")%>%
  html_nodes(".o-dataset-distribution--link") %>%
  html_attr('href')

# To filter out the individual_type which is application/xml, we have to merge
# variables individual_type and individual_urls into one dataframe
individual_type_table <- data.frame(individual_type)
individual_urls_table <- data.frame(individual_urls)
individual_name_table <- data.frame(individual_name)
```

```

link_data <- cbind(individual_name, individual_type_table, individual_urls_table)

# Use filter() to filter out the rows data which is application/xml
# and not in Welsh language type of data
link_data %>% filter(individual_type == "application/xml",
                      !grepl("Welsh language", individual_name)) -> link_data

summary(link_data)

##   individual_name    individual_type    individual_urls
##   Length:376        Length:376        Length:376
##   Class :character  Class :character  Class :character
##   Mode  :character  Mode  :character  Mode  :character

# Create a directory to store files
dir.create("FHRS_data")

# Use 'for' loop to download xml files from web to the directory
for (i in 1:nrow(link_data)){
  download.file(link_data$individual_urls[i], destfile =
    paste0(
      "../../../Data_Management/Assignment/FHRS_data/local_authority", i, ".xml"))
}

# Using 'for' loop to read all the downloaded files at one go
local_authority_df <- data.frame()

# Use 'for' loop to get data in multi-level nested files
for(i in 1:nrow(link_data)){
  local_authority_parse <-
    xmlParse(
      paste0(
        "../../../Data_Management/Assignment/FHRS_data/local_authority", i, ".xml"))
  # Get data from each children
  local_authority_df_new <- xmlToDataFrame(
    nodes = getNodeSet(local_authority_parse,
                       "//EstablishmentDetail | //Geocode | //Scores"))
  # bind the new data into the whole dataframe
  local_authority_df <- rbind.fill(local_authority_df_new, local_authority_df)
}

# To save time for code running in the future, we save the large data in local
saveRDS(local_authority_df, "local_authority_df.rds")

# Read in the local file saved previously
local_authority_df <- readRDS("local_authority_df.rds")

# Delete columns that are not used
local_authority_df$Geocode <- NULL
local_authority_df$Scores <- NULL

# Create a dataframe for Longitude and Latitude

```

```

geo <- select(local_authority_df, Longitude, Latitude)

# Delete the extra rows
geo <- geo[-c(1,2),]

# Create a dataframe for Hygiene, Structural and ConfidenceInManagement
scores <- select(local_authority_df, Hygiene, Structural, ConfidenceInManagement)

# Delete the extra rows
scores <- scores[-1,]
scores <- head(scores, -1)

# Select the columns from the original dataframe except Longitude,
# Latitude, Hygiene, Structural and ConfidenceInManagement
LA_df <- local_authority_df[, !names(local_authority_df) %in% c("Longitude",
    "Latitude", "Hygiene", "Structural", "ConfidenceInManagement")]

#Delete the extra rows
LA_df <- head(LA_df, -2)

#Combine three dataframes into one dataframe
LA_df <- cbind(LA_df, geo, scores)

#Set a function to delete the rows that have NA for every column
removeRowsAllNa <- function(x){x[apply(x, 1, function(y) any(!is.na(y))),]}

LA_df <- removeRowsAllNa(LA_df)

# To further analyze the data, filter data into two groups. One for Rating stamp
# (Rating value:0,1,2,3,4,5), another group is for certain circumstances.
rating_value_num <- LA_df %>%
  filter(RatingValue == "0" | RatingValue == "1" | RatingValue == "2" |
    RatingValue == "3" | RatingValue == "4" | RatingValue == "5")

rating_value_chr <- LA_df %>% filter(RatingValue != "0" & RatingValue != "1" &
  RatingValue != "2" & RatingValue != "3" & RatingValue != "4" & RatingValue != "5")

# Inspect whether value of rating_value is uniform
unique(rating_value_chr$RatingValue)
unique(rating_value_num$RatingValue)

# Clean Data: To gain uniform rating_value in character,
# replace the original one with a space bewteen the texts
rating_value_chr$RatingValue <- rating_value_chr$RatingValue %>%
  str_replace_all(c("AwaitingInspection" = "Awaiting Inspection",
    "AwaitingPublication" = "Awaiting Publication"))

#Reorder the columns by putting important information in the front columns
rating_value_chr <- rating_value_chr %>% select(LocalAuthorityName, BusinessName,
  BusinessType, RatingValue, Longitude, Latitude, everything())

rating_value_num <- rating_value_num %>% select(LocalAuthorityName, BusinessName,
  BusinessType, RatingValue, Longitude, Latitude, everything())

```

```
#download them into csv file for further use
write_csv(rating_value_num, "data_rating_num.csv")
write_csv(rating_value_chr, "data_rating_chr.csv")
```

Present the data in a Shiny dashboard

```
#Read food hygiene rating data
data_rating_chr <- read_csv("data_rating_chr.csv")

## Rows: 141970 Columns: 25
## -- Column specification -----
## Delimiter: ","
## chr (15): LocalAuthorityName, BusinessName, BusinessType, RatingValue, Loca...
## dbl (4): Longitude, Latitude, FHSRID, BusinessTypeID
## lgl (5): NewRatingPending, RightToReply, Hygiene, Structural, ConfidenceIn...
## date (1): RatingDate
##
## i Use 'spec()' to retrieve the full column specification for this data.
## i Specify the column types or set 'show_col_types = FALSE' to quiet this message.
```

```
data_rating_num <- read_csv("data_rating_num.csv")
```

```
## Rows: 455013 Columns: 25
## -- Column specification -----
## Delimiter: ","
## chr (14): LocalAuthorityName, BusinessName, BusinessType, LocalAuthorityBus...
## dbl (8): RatingValue, Longitude, Latitude, FHSRID, BusinessTypeID, Hygiene...
## lgl (2): NewRatingPending, RightToReply
## date (1): RatingDate
##
## i Use 'spec()' to retrieve the full column specification for this data.
## i Specify the column types or set 'show_col_types = FALSE' to quiet this message.
```

```
#Shiny UI
ui <- dashboardPage(
  dashboardHeader(title = "Food Hygiene"),
  dashboardSidebar(
    sidebarMenu(
      menuItem("Data Overview", tabName = "food_hygiene_data",
               icon = icon("bookmark")),
      menuItem("Pie Chart", tabName = "pie_chart", icon = icon("chart-pie")),
      menuItem("Bar Chart", tabName = "bar_chart", icon = icon("chart-bar")),
      menuItem("Map", tabName = "map", icon = icon("globe-europe"))
    )
  ),
  dashboardBody(
    tabItems(
```

```

# Item 1: Data overview -----
tabItem(tabName = "food_hygiene_data",
        fluidRow(column(width = 12,
                        h1("Data Overview")))
      ),
      fluidRow(
        tabBox(width = 12,
               tabPanel("Data Rating by Number",
                        DT::dataTableOutput("by_num"),
                        style = "overflow-y: scroll"
               )),
               tabPanel("Data Rating by Character",
                        DT::dataTableOutput("by_chr"),
                        style = "overflow-y: scroll"
               )
      )#end of tabBox
    )
),#end of Item 1

# Item 2: Pie chart -----
tabItem(tabName = "pie_chart",
        fluidRow(column(width = 12,
                        h1("Pie Chart for Rating Value"))),
        fluidRow(
          box(width = 12,
              solidHeader = TRUE,
              status = "success",
              selectInput("BusinessType1",
                          "Business Type:",
                          choices = c("All",
                                      levels(as.factor(data_rating_num$BusinessType))
              )),
              ),#end of select1
              selectInput("LocalAuthorityName1",
                          "Local Authority Name:",
                          choices = c("All",
                                      levels(as.factor(data_rating_num$LocalAuthorityName))
              )),
              ),#end of select2
              plotlyOutput("by_num_chr_pie")
        )#end of box 1
      )#end of fluidRow2
    ),#end of Item 2

# Item 3: Bar chart -----
tabItem(tabName = "bar_chart",
        fluidRow(column(width = 12,
                        h1("Bar Chart")))
      ),
      fluidRow(box(width = 8,

```

```

        status = "primary",
        plotlyOutput("barplot")
),
box(width = 4,
    solidHeader = TRUE,
    status = "primary",
    title = "Option box",
    selectInput("LocalAuthorityName3",
                "Local Authority Name:",
                choices = c("All",
                           levels(as.factor(data_rating_num$LocalAuthorityName)),
                           levels(as.factor(data_rating_chr$LocalAuthorityName)))
),
    selectInput("RatingValue1",
                "Rating Value:",
                choices = c(
                    levels(as.factor(data_rating_num$RatingValue)),
                    levels(as.factor(data_rating_chr$RatingValue)))
)
# end of select
) #end of box
)
),
#end of Item 3

# Item 4: Map -----
tabItem(tabName = "map",
        div(class = "outer",
            tags$style(type = "text/css",
                       "#map {height: calc(100vh - 80px) !important;}"),
            leafletOutput("map", width = "100%", height = "100%"),
            absolutePanel(id = "controls", class = "panel panel-default",
                          fixed = TRUE, draggable = TRUE, top = 80,
                          right = 20, width = 300, height = "auto",
                          bottom = "auto",
                          column(width = 12,
                                 h2("Options"),
                                 selectInput("RatingValue2",
                                            "Select Rating Value:", choices = c(
                                                levels(as.factor(data_rating_num$RatingValue)),
                                                levels(as.factor(data_rating_chr$RatingValue)))
),
# end of selectInput
                                 sliderInput(inputId = "date2",
                                            label = "Select rating date range:",
                                            min = as.Date("2000-01-01"),
                                            max = as.Date("2021-12-03"),
                                            value = c(as.Date("2010-01-01"),
                                                      as.Date("2021-12-03")))
)
#end of sliderUnput
)
#end of column
)
#end of absolutePanel
)
)
#end of Item 4

```

```

    )#end of tabItems
  )#end of dashboardBody
)##end of dashboardPage

```

From the Shiny dashboard, the following points could be observed

1. Tables: Show all data scraped from the food hygiene rating scheme
2. Pie chart: Show the food hygiene rating distribution of any type of business in any country
3. Bar chart: Show the business types of a certain rating in a specific local authority
4. Map: Show the geographic distribution of different ratings and their changes over time.

```

# Read food hygiene rating data
my_connection <- RSQLite::dbConnect(RSQLite::SQLite(), "food_hygiene.db")
num_rating <- readr::read_csv("data_rating_num.csv")

```

```

## Rows: 455013 Columns: 25
## -- Column specification -----
## Delimiter: ","
## chr (14): LocalAuthorityName, BusinessName, BusinessType, LocalAuthorityBus...
## dbl (8): RatingValue, Longitude, Latitude, FHSRID, BusinessTypeID, Hygiene...
## lgl (2): NewRatingPending, RightToReply
## date (1): RatingDate
##
## i Use 'spec()' to retrieve the full column specification for this data.
## i Specify the column types or set 'show_col_types = FALSE' to quiet this message.

```

```
chr_rating <- readr::read_csv("data_rating_chr.csv")
```

```

## Rows: 141970 Columns: 25
## -- Column specification -----
## Delimiter: ","
## chr (15): LocalAuthorityName, BusinessName, BusinessType, RatingValue, Loca...
## dbl (4): Longitude, Latitude, FHSRID, BusinessTypeID
## lgl (5): NewRatingPending, RightToReply, Hygiene, Structural, ConfidenceIn...
## date (1): RatingDate
##
## i Use 'spec()' to retrieve the full column specification for this data.
## i Specify the column types or set 'show_col_types = FALSE' to quiet this message.

```

```

RSQLite::dbWriteTable(my_connection, "num", num_rating, overwrite=TRUE)
RSQLite::dbWriteTable(my_connection, "chr", chr_rating, overwrite=TRUE)
dbDisconnect(my_connection)

```

```
# Shiny Server
```

```

server <- function(input, output) {

  # Connect to the database and get the data from the tables
  sqlitePath <- "./food_hygiene.db"
  my_connection <- dbConnect(SQLite(), sqlitePath)

```

```

# Show all data scraped from the food hygiene rating scheme in two tables
## Output all data
chr_data <- dbGetQuery(my_connection, 'SELECT * FROM chr;')
num_data <- dbGetQuery(my_connection, 'SELECT * FROM num;')

## Put the data into tables
output$by_num <- DT::renderDT({
  DT::datatable(num_data,
    filter = "top",
    class = "cell-border stripe",
  )
})

output$by_chr <- DT::renderDT({
  DT::datatable(chr_data,
    filter = "top",
    class = "cell-border stripe",
  )
})
}

# Show the food hygiene rating distribution of any type of business in any country.
## Set colors
colors <- c("#8B6969", "#EEB4B4", "#FFE4C4", "#8EE5EE", "#00C5CD", "#36648B")

## For data of rating values in numeric, select the useful attributes
## for showing the plot when input is "All"
BT_all_sql <- dbGetQuery(my_connection,
  ### Convert RatingValue data in the num table to varchar
  ### Combine rows of num and chr tables
  ### Group by RatingValue to get the proportion of each rating value
  "SELECT BusinessType, CAST(RatingValue AS VARCHAR) AS RatingValue,
  LocalAuthorityName, count(*) AS amount
  FROM num AS n
  GROUP BY n.RatingValue
  UNION ALL
  SELECT BusinessType, RatingValue, LocalAuthorityName, count(*) AS amount
  FROM chr AS c
  GROUP BY c.RatingValue;")

output$by_num_chr_pie <- renderPlotly({

  ## If the input is not "All", select by Business Type & Local Authority Name
  if(input$BusinessType1 != "All" & input$LocalAuthorityName1 != "All"){
    BT_LA_glue_sql <- glue_sql(
      ### Convert RatingValue data in the num table to varchar
      ### Filter data based on the choice selected in the dashboard
      ### Combine rows of num and chr tables
      ### Group by RatingValue to get the proportion of each rating value
      "SELECT BusinessType, CAST(RatingValue AS VARCHAR) AS RatingValue,
      LocalAuthorityName, count(*) AS amount
      FROM num AS n
      WHERE BusinessType = 'All' AND LocalAuthorityName = 'All';")
  }
})
}

```

```

WHERE n.BusinessType = ?
AND n.LocalAuthorityName = ?
GROUP BY n.RatingValue
UNION ALL
SELECT BusinessType, RatingValue, LocalAuthorityName, count(*) AS amount
FROM chr AS c
WHERE c.BusinessType = ?
AND c.LocalAuthorityName = ?
GROUP BY c.RatingValue;")
BT_LA_sql <- dbSendQuery(my_connection, BT_LA_glue_sql)
### Input the choice from the dashboard and get the output shown in pie chart
dbBind(BT_LA_sql, list(input$BusinessType1, input$LocalAuthorityName1,
                      input$BusinessType1, input$LocalAuthorityName1))
pie_chart <- dbFetch(BT_LA_sql)
}

## Select by Business Type
else if(input$BusinessType1 != "All"){
  BT_glue_sql <- glue_sql(
    ### Convert RatingValue data in the num table to varchar
    ### Filter data based on the choice selected in the dashboard
    ### Combine rows of num and chr tables
    ### Group by RatingValue to get the proportion of each rating value
    "SELECT BusinessType, CAST(RatingValue AS VARCHAR) AS RatingValue,
  LocalAuthorityName, count(*) AS amount
  FROM num AS n
  WHERE n.BusinessType = ?
  GROUP BY n.RatingValue
  UNION ALL
  SELECT BusinessType, RatingValue, LocalAuthorityName, count(*) AS amount
  FROM chr AS c
  WHERE c.BusinessType = ?
  GROUP BY c.RatingValue;")
  BT_sql <- dbSendQuery(my_connection, BT_glue_sql)
  ### Input the choice from the dashboard and get the output shown in pie chart
  dbBind(BT_sql, list(input$BusinessType1, input$BusinessType1))
  pie_chart <- dbFetch(BT_sql)
}

## Select by Local Authority Name
else if(input$LocalAuthorityName1 != "All"){
  LA_glue_sql <- glue_sql(
    ### Convert RatingValue data in the num table to varchar
    ### Filter data based on the choice selected in the dashboard
    ### Combine rows of num and chr tables
    ### Group by RatingValue to get the proportion of each rating value
    "SELECT BusinessType, CAST(RatingValue AS VARCHAR) AS RatingValue,
  LocalAuthorityName, count(*) AS amount
  FROM num AS n
  WHERE n.LocalAuthorityName = ?
  GROUP BY n.RatingValue
  UNION ALL
  SELECT BusinessType, RatingValue, LocalAuthorityName, count(*) AS amount
  FROM chr AS c
}

```

```

        WHERE c.LocalAuthorityName = ?
        GROUP BY c.RatingValue;" )
LA_sql <- dbSendQuery(my_connection, LA_glue_sql)
### Input the choice from the dashboard
### and get the output shown in pie chart
dbBind(LA_sql, list(input$LocalAuthorityName1, input$LocalAuthorityName1))
pie_chart <- dbFetch(LA_sql)
} else{
  pie_chart <- BT_all_sql
}

## Draw pie chart
g1 <- plot_ly(pie_chart, values = ~amount, labels = ~RatingValue,
              marker = list(colors = colors,
                            line = list(color = '#FFFFFF', width = 1)
              )
) %>%
  add_pie(hole = 0.4)
g1
})

# Show the business types of a certain rating in a specific local authority
output$barplot <- renderPlotly({
  ## Get data if the choice of local authority is "All"
  if(input$LocalAuthorityName3 == "All"){
    ### Filter data based on the selection of RatingValue
    data_num_bar_glue_sql <- glue_sql("SELECT BusinessType, RatingValue,
                                         RatingDate
                                         FROM num
                                         WHERE RatingValue = ?;")
    data_chr_bar_glue_sql <- glue_sql("SELECT BusinessType, RatingValue,
                                         RatingDate
                                         FROM chr
                                         WHERE RatingValue = ?;")

    data_num_bar_sql <- dbSendQuery(my_connection, data_num_bar_glue_sql)
    ### Input the choice selected from the dashboard
    ### and get the output to show in bar chart
    dbBind(data_num_bar_sql, list(input$RatingValue1))
    data_num_bar <- dbFetch(data_num_bar_sql)

    data_chr_bar_sql <- dbSendQuery(my_connection, data_chr_bar_glue_sql)
    ### Input the choice selected from the dashboard
    ### and get the output to show in bar chart
    dbBind(data_chr_bar_sql, list(input$RatingValue1))
    data_chr_bar <- dbFetch(data_chr_bar_sql)

  } else{
    ## Get data if the choice of local authority is not "All"
    ### Filter data based on LocalAuthorityName and RatingValue.
  }
})

```

```

data_num_bar_glue_sql <- glue_sql("SELECT BusinessType, RatingValue,
                                    LocalAuthorityName
                                 FROM num
                                 WHERE LocalAuthorityName = ?
                                 AND RatingValue = ?;")

data_chr_bar_glue_sql <- glue_sql("SELECT BusinessType, RatingValue,
                                    LocalAuthorityName
                                 FROM chr
                                 WHERE LocalAuthorityName = ?
                                 AND RatingValue = ?;")

data_num_bar_sql <- dbSendQuery(my_connection, data_num_bar_glue_sql)
### Input the choices selected from the dashboard
### and get the output to show in bar chart
dbBind(data_num_bar_sql, list(input$LocalAuthorityName3, input$RatingValue1))
data_num_bar <- dbFetch(data_num_bar_sql)

data_chr_bar_sql <- dbSendQuery(my_connection, data_chr_bar_glue_sql)
### Input the choices selected from the dashboard
### and get the output to show in bar chart
dbBind(data_chr_bar_sql, list(input$LocalAuthorityName3, input$RatingValue1))
data_chr_bar <- dbFetch(data_chr_bar_sql)
}

# Bind the data from the num and chr outputs based on the previous step
data_bar <- rbind(data_num_bar, data_chr_bar)

# Show the result in bar chart
g3 <- ggplot(data_bar, aes(x = fct_rev(fct_infreq(BusinessType)))) +
  geom_bar() + coord_flip()
plotly::ggplotly(g3)

})

# Show the geographic distribution of different ratings and their changes over time.
output$map <- renderLeaflet({
  ## To show data in the map, we also need to select latitude and longitude
  ## Filter data based on RatingDate and Rating Value for the observation
  data_map_num_glue_sql <- glue_sql("SELECT RatingValue, Longitude,
                                       Latitude, RatingDate
                                    FROM num
                                    WHERE RatingValue = ?
                                    AND RatingDate >= ?
                                    AND RatingDate <= ?;")

  data_map_chr_glue_sql <- glue_sql("SELECT RatingValue, Longitude, Latitude,
                                       RatingDate
                                    FROM chr
                                    WHERE RatingValue = ?
                                    AND RatingDate >= ?
                                    AND RatingDate <= ?;")

```

```

data_map_num_sql <- dbSendQuery(my_connection, data_map_num_glue_sql)
## Input the choices selected from the dashboard
## and get the output to present data on map
dbBind(data_map_num_sql, list(input$RatingValue2, input$date2[1],
                               input$date2[2]))
data_map_num <- dbFetch(data_map_num_sql)

data_map_chr_sql <- dbSendQuery(my_connection, data_map_chr_glue_sql)
## Input the choices selected from the dashboard
## and get the output to present data on map
dbBind(data_map_chr_sql, list(input$RatingValue2, input$date2[1],
                               input$date2[2]))
data_map_chr <- dbFetch(data_map_chr_sql)

# Bind the data from the num and chr outputs based on the previous step
data_map <- rbind(data_map_num, data_map_chr)

# Adjust the setting of map display
leaflet(data_map) %>%
  addTiles() %>%
  addProviderTiles(providers$CartoDB.Positron) %>%
  fitBounds(~9,50,~9,58) %>%
  addCircles(color = "#045a8d",
             fillOpacity = 0.2,
             radius = 5000,
             weight = 1,
  )
}

# Run the application
# shinyApp(ui = ui, server = server)

```



Data Overview

Pie Chart

Bar Chart

Map

## Data Overview

Data Rating by Number

Data Rating by Character

Show 10 entries

Search:

|    | LocalAuthorityName | BusinessName                    | BusinessType                        | RatingValue | Longitude         | Latitude         | FHRID   | LocalAuthorityBusinessID | BusinessTypeID |   |
|----|--------------------|---------------------------------|-------------------------------------|-------------|-------------------|------------------|---------|--------------------------|----------------|---|
|    | All                | All                             | All                                 | All         | All               | All              |         | All                      | All            |   |
| 1  | Wyre               | @ Street Eatery                 | Takeaway/sandwich shop              | 5           | -3.005357         | 53.877711        | 1045594 | 18/00043/FSOH            | 7844           | R |
| 2  | Wyre               | @Katie's Poulton Ltd            | Other catering premises             | 5           | -3.01352190971375 | 53.9171447753906 | 1069182 | 18/00099/FSOH            | 7841           | U |
| 3  | Wyre               | 88 Noodle Bar                   | Takeaway/sandwich shop              | 4           | -3.021541         | 53.921922        | 374258  | 00110900008008           | 7844           | R |
| 4  | Wyre               | A H YOUNG (VEHICLE - FISH)      | Retailers - other                   | 5           |                   |                  | 146727  | 90000000007156           | 4613           |   |
| 5  | Wyre               | A\&D PARKINSON LTD              | Retailers - other                   | 5           | -2.872445         | 53.854518        | 963283  | 17/00057/FSOH            | 4613           | A |
| 6  | Wyre               | A6 Fodder Shed                  | Restaurant/Cafe/Canteen             | 5           | -2.77485609054565 | 53.9275779724121 | 1333449 | 21/00006/FSOH            | 1              | F |
| 7  | Wyre               | ABBEYFIELD HOUSE                | Hospitals/Childcare/Caring Premises | 5           | -2.777267         | 53.899107        | 375070  | 90000000033531           | 5              | C |
| 8  | Wyre               | ABC Treehouse Nursery           | Hospitals/Childcare/Caring Premises | 5           | -2.999861         | 53.829678        | 439425  | 12/00026/FSOH            | 5              | T |
| 9  | Wyre               | Abode                           | Hospitals/Childcare/Caring Premises | 4           | -2.98325          | 53.849617        | 1086539 | 18/00137/FSOH            | 5              | R |
| 10 | Wyre               | Acresfield Country Club And Spa | Restaurant/Cafe/Canteen             | 5           | -2.77962589263916 | 53.911376953125  | 736245  | 14/00090/FSOH            | 1              | G |

Showing 1 to 10 of 455,013 entries

Previous

1

2

3

4

5

...

45,502

Next

Data Overview

Pie Chart

Bar Chart

Map

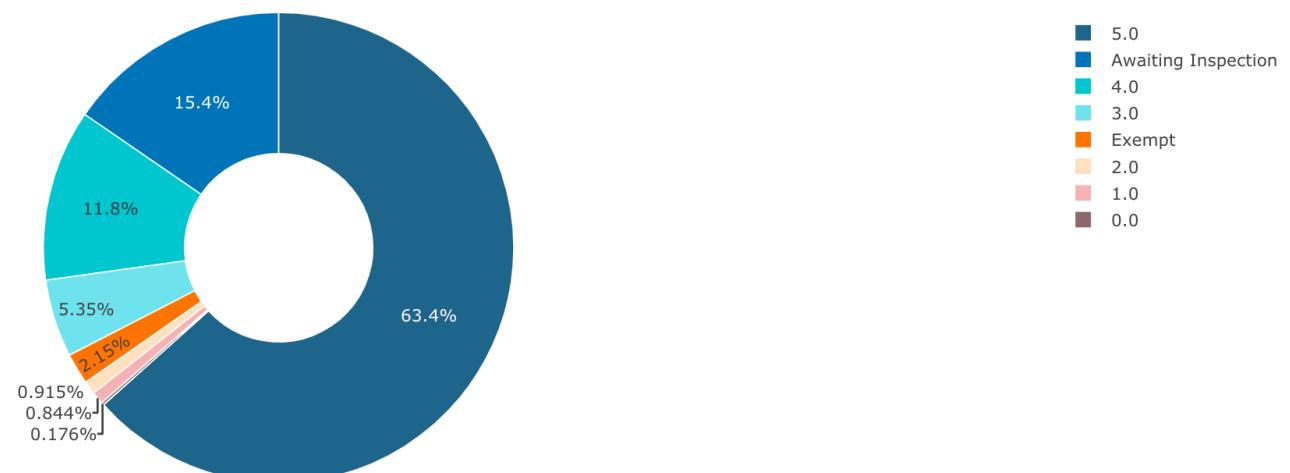
## Pie Chart for Rating Value

**Business Type:**

All

**Local Authority Name:**

Coventry



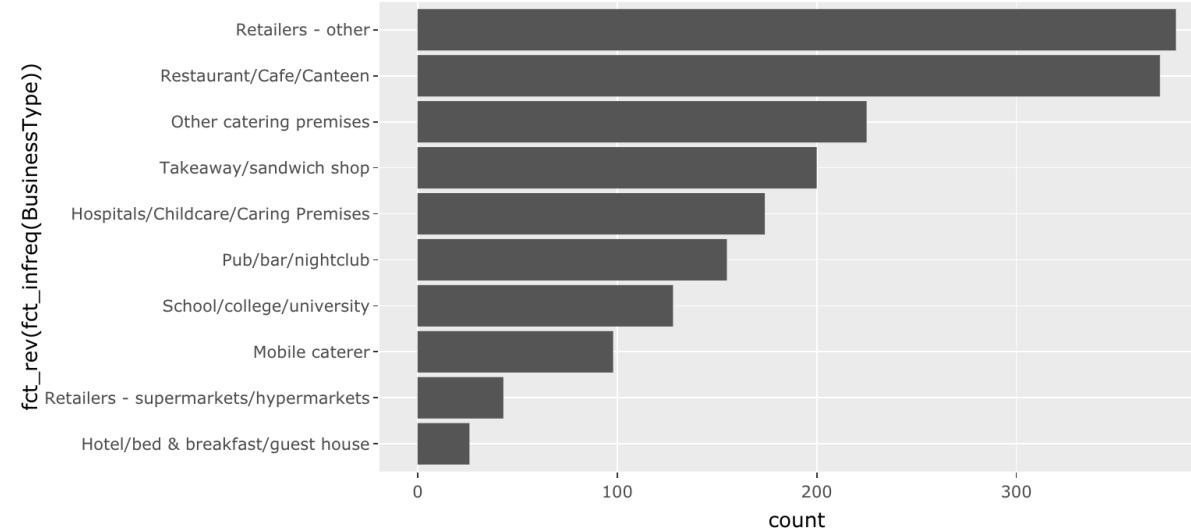
Data Overview

Pie Chart

Bar Chart

Map

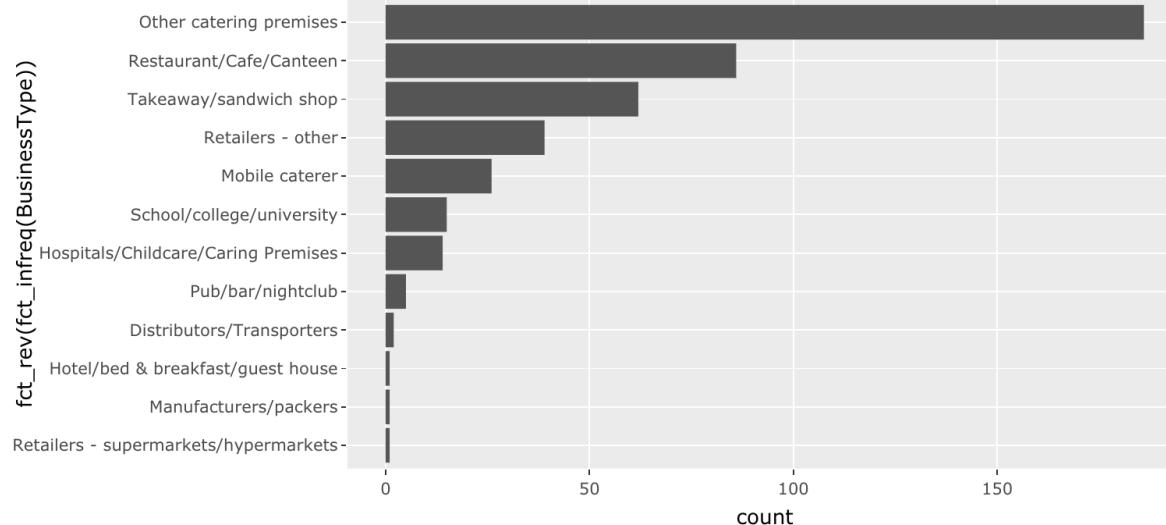
## Bar Chart



### Option box

**Local Authority Name:****Rating Value:**

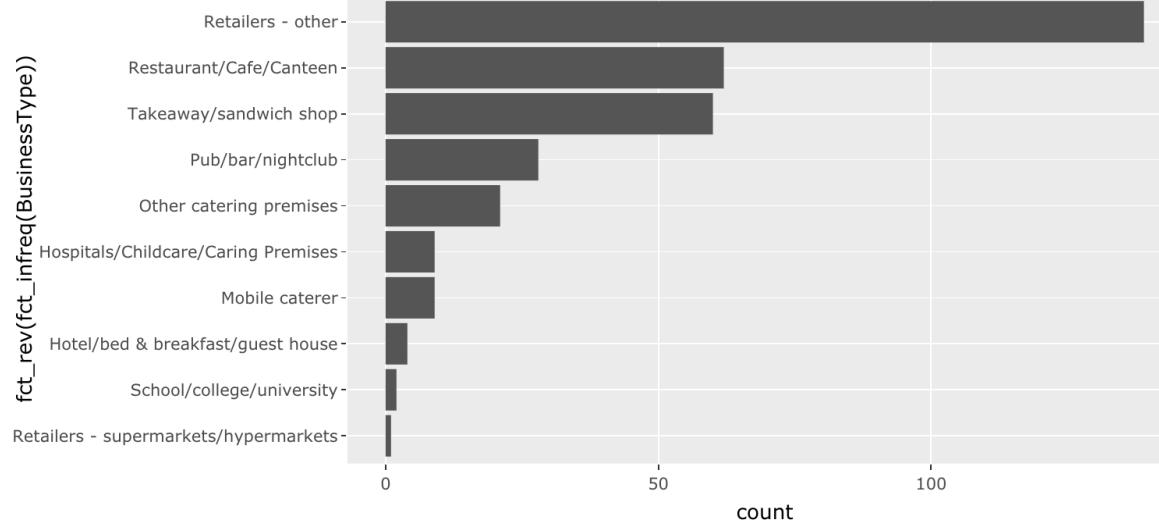
## Bar Chart



## Option box

**Local Authority Name:****Rating Value:**

## Bar Chart



## Option box

**Local Authority Name:****Rating Value:**

- Data Overview
- Pie Chart
- Bar Chart
- Map



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