

Uploading Food Standards Scotland (FSS) open data to the AbattoirInspect tool

To upload and visualise FSS Open Data in AbattoirInspect, users must first retrieve the relevant dataset from the FSS Open Data Portal, process it, and transform it into the required format specified in the Upload Data tab. Step-by-step instructions are provided below.

Please note that FSS Open Data does not include farm (slap) or producer-level identifiers. As a result, only the National Overview tab is available when using this dataset.

In addition, if the prepared dataset covers less than three years of data, the Time-Series and Statistics tab will be disabled, as a minimum time span is required for reliable trend and anomaly detection analysis.

Downloading and preparing the data

Step 1

Google “FSS open data” or visit [Open data portal | Food Standards Scotland](#)

Step 2

Access the tab “Multi-Species Ante Mortem & Post Mortem Conditions” – [Multi – Species Ante Mortem & Post Mortem Conditions | Food Standards Scotland](#)

Step 3

Download the file(s) you are interested in and save it in your preferred location on your computer. To show you the subsequent steps for data preparation and upload, we downloaded the files corresponding to the “Multi species AMPM conditions for multiple years from 2021 to 2024 (e.g. [“Multi species AMPM conditions 2024.xlsx”](#)).

Step 4

4.1 For each (year) file, save a copy of the document you downloaded and rename it as you prefer. For example, “PM conditions Pigs 2024”.

4.2 For each (year) file, Delete tabs from all but one species. In this example, we kept the tab for “Pigs”.

Step 5

As each (year) file you downloaded has ante-mortem (AM) and post-mortem (PM) conditions under the same Excel tab, we need to separate them. To do that, you can simply delete all the rows which have AM conditions and keep the PM conditions. Here is an example on how to do that on the 2024 pig file example:

5.1 Sort your data from “Smallest to Largest” on column D “Number of conditions identified”

5.2 Now select cell D2 and click “CTRL + SHIFT + DOWN ARROW”. This should have selected all cells with a value on that row. With that selection done, right click on it, select “delete” and choose “delete rows”.

5.3 Delete columns C (Ante-mortem conditions), D (Number of Conditions Identified), and E (Number of rejected at Ante-mortem).

Step 6 (optional)

Once all yearly files have been prepared, merge them into a single dataset.

Before combining the files, ensure that all years share the same column structure and column order. In the 2021 and 2022 files, there is an additional column called “**Type**”, which should be removed to maintain consistency across all datasets.

After standardising the structure, open the earliest year file and save it as a new master file with an appropriate name, for example: “**Pigs_2021–2024**”.

Then, append the remaining years sequentially by copying the rows from each yearly file and pasting them into the master file below the existing data (starting with 2022, then 2023, and so on).

Continue this process until all selected years have been combined into a single consolidated dataset.

Step 7

Save your dataset as comma-separated-values (csv) in the desired folder.

Uploading the data

Step 8

Access the AbattoirInspect tool at epidemiology.sruc.ac.uk/shiny/apps/abattoir_inspect/

Step 9

8.1 Tick the box “I am uploading FSS data”

8.2 Browse and select the csv file you just prepared. When you do this, a pop-up window will ask you to map your variables to the required format.

8.3 Map the variables like in the example below.

Missing Columns

The uploaded file is missing the following required columns:

- condition
- part
- number_of_condemnations

Map condition to:

Post.mortem.Conditions.Identified

Map part to:

Rejection.Type

Select value(s) that correspond to Full/Total Rejection

Total Rejection

Map number_of_condemnations to:

Number.of.Conditions

Date format in file:

Day / Month / Year (e.g. 25/01/2024)

Confirm

Cancel

Figure 1. Pop-up window to map your data's variables to the required format.

8.4 Confirm the mapping definitions.

Step 9

Success! You can now explore the FSS data using the AbattoirInspect tool.