

Module 3 - Extracting a specific column from a data frame

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Steps to extract a column from a data frame in R

This module shows the procedure to extract a specific column from a data frame in R software. In this module we shall extract a column from the data used in Module 2. To do so, first read data from a file after setting its location as the working directory using the instructions given in Modules 1 and 2.

Using RStudio

Step 1. Type the first three letters of the data frame's name from which a column has to be extracted, either in the R console window or in an R script in the Source window. A drop down list will appear.

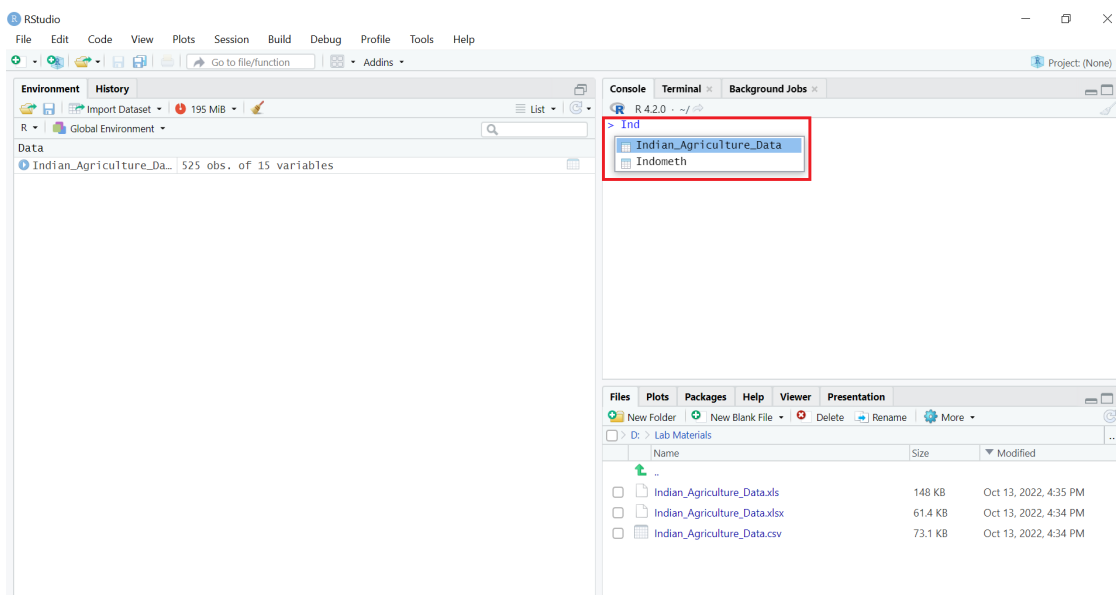


Figure 1: Drop down list from the first three letters of the data frame's name.

Step 2. Select the name of the data frame from the drop down list. It will auto-complete the name of the data frame.

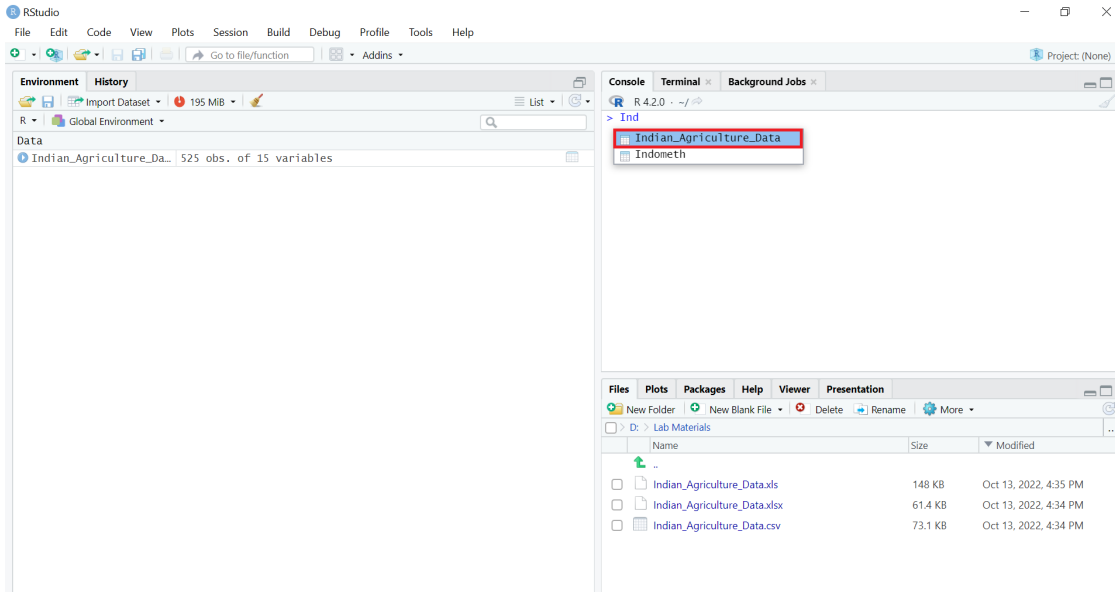


Figure 2: Selecting data frame name from the drop down list.

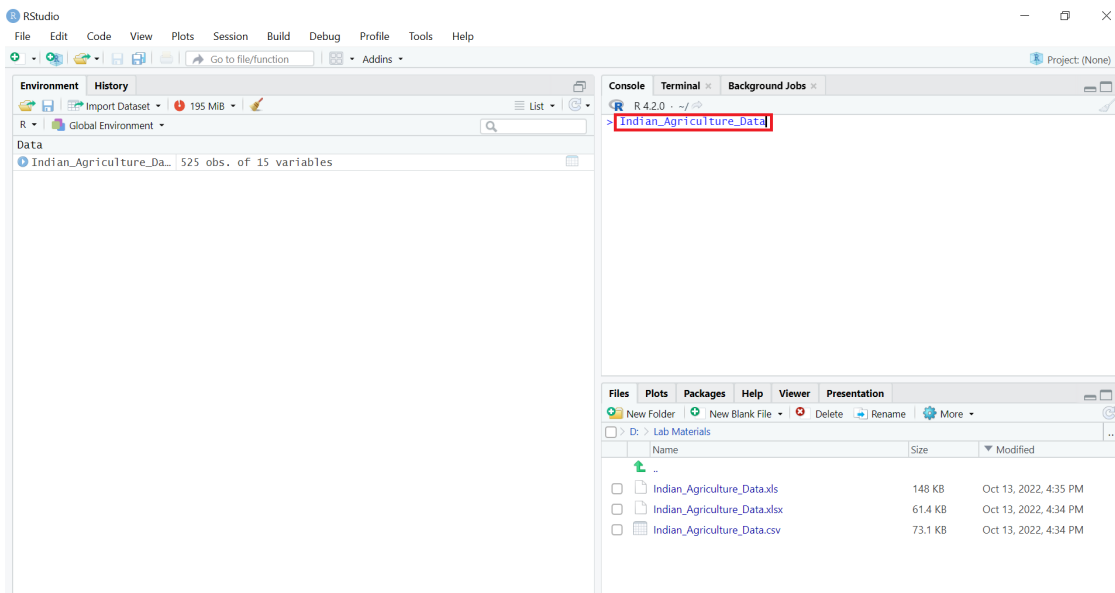


Figure 3: Auto-completed name of the data frame.

Step 3. Type a dollar sign, \$, after the name of the data frame. It will display the list of its column names/headers.

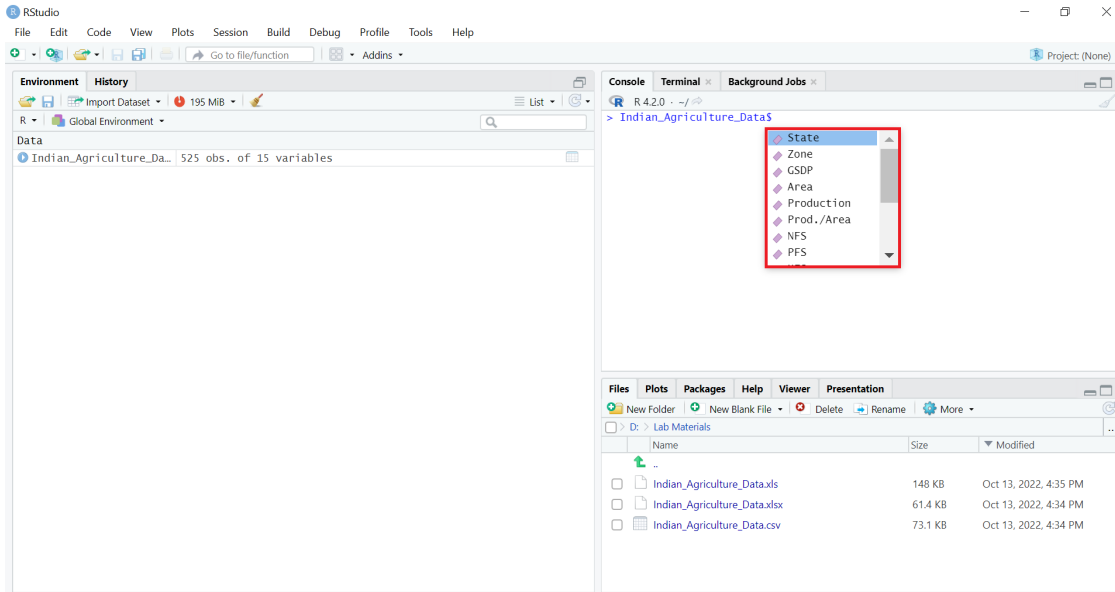


Figure 4: List of the column names/headers.

Step 4. Select a column for extraction by left-clicking on its name in the drop down list. Press **Enter** to view its contents.

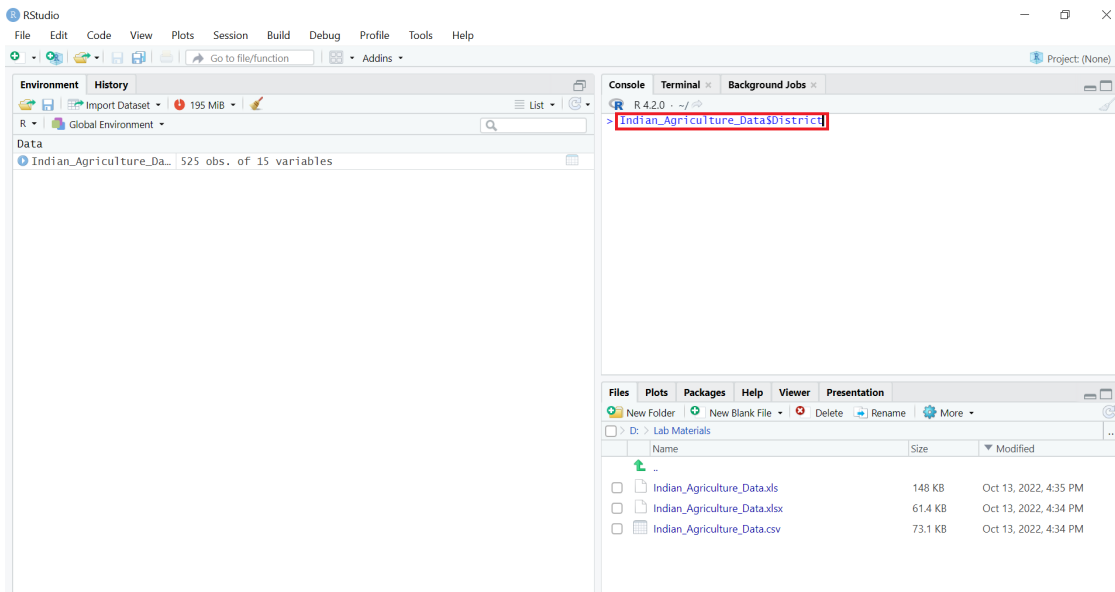


Figure 5: Selected column for extraction.

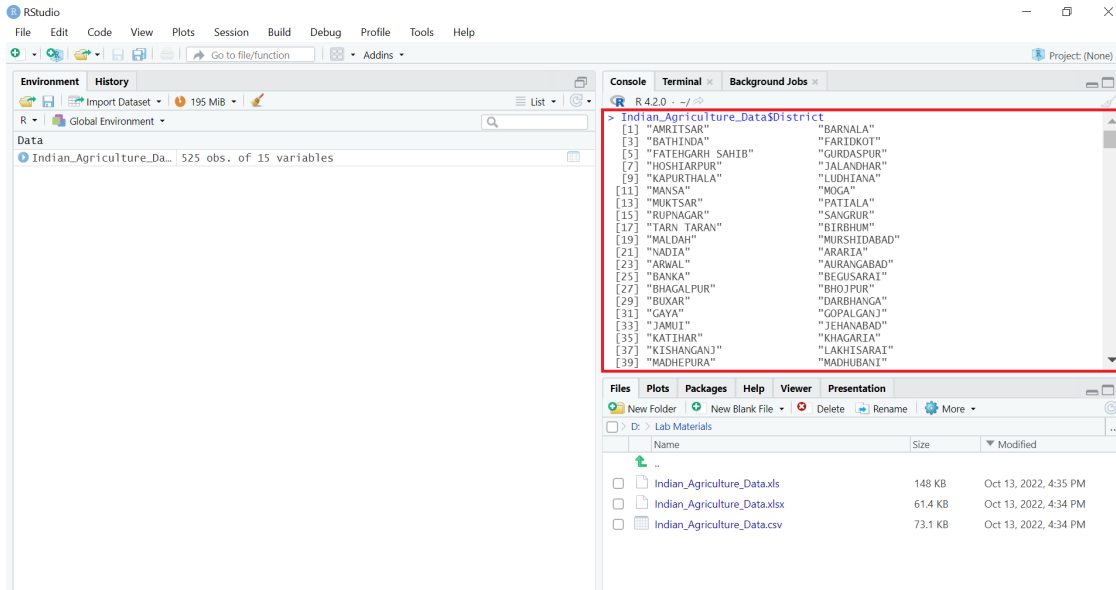


Figure 6: Selected column's data.

Alternatively, using R console to extract a specific column from a data frame

To extract a specific column from a data frame execute the following command with the column name placed after the \$ sign:

```
Indian_Agriculture_Data$District
```

Spoken Tutorials

For more details, refer to the [Introduction to Data Frames in R Spoken Tutorial](#) video.