Practical File

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Practical: 1

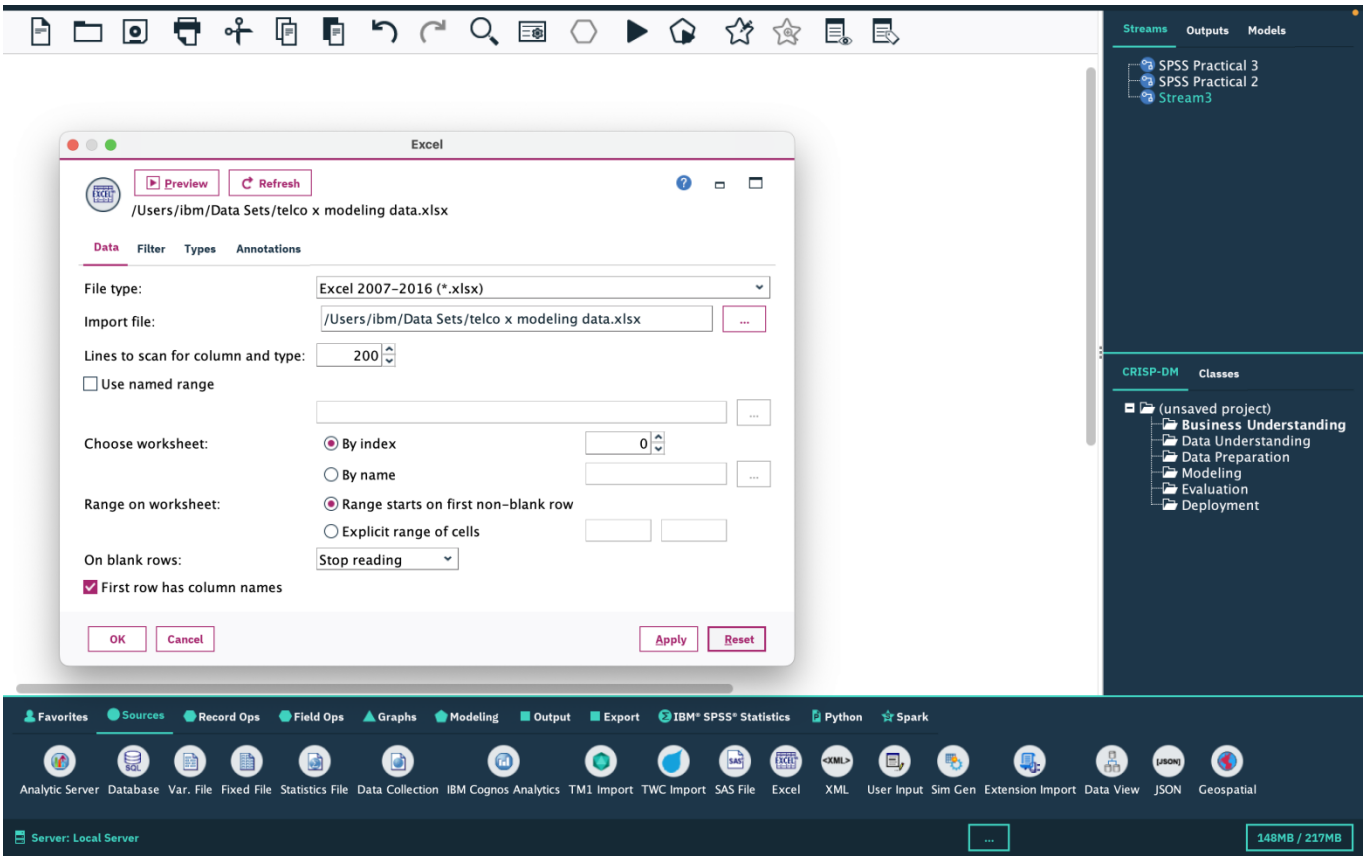
Definition: You want to become familiar with the IBM SPSS Modeler user interface that you will use to create and edit streams.

Outcomes/Learning: Through this process, we learned how to perform a basic data preparation workflow in IBM SPSS Modeler by importing a raw dataset, filtering out unnecessary fields, and viewing the cleaned data in a table format. The key outcome is a streamlined dataset containing only the relevant variables for further analysis.

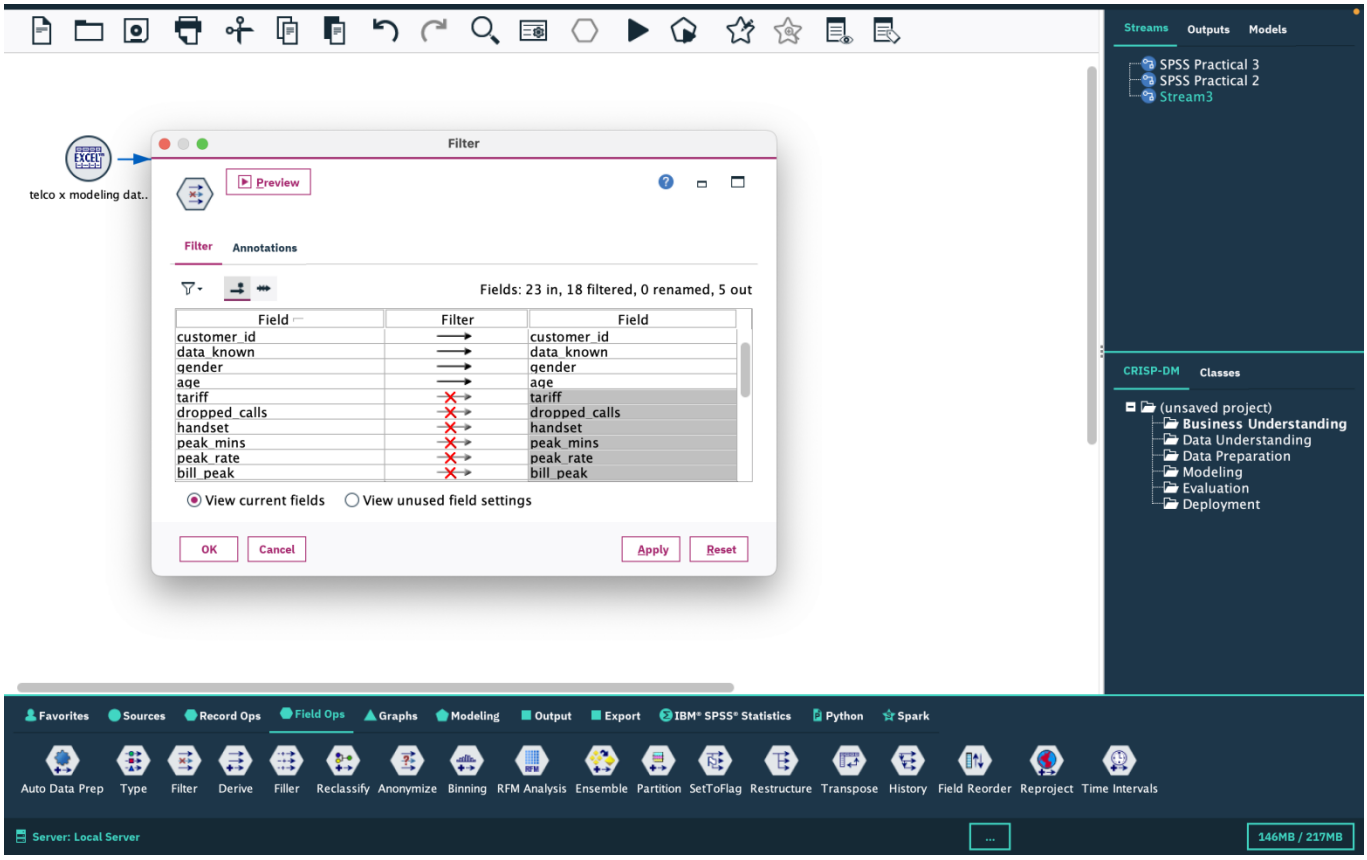
Required Tool: IBM SPSS Modeler.

Working: This project file demonstrates a streamlined data preparation process using IBM SPSS Modeler. It imports raw data, filters for relevant fields, and outputs a clean, ready-to-use table for subsequent analysis.

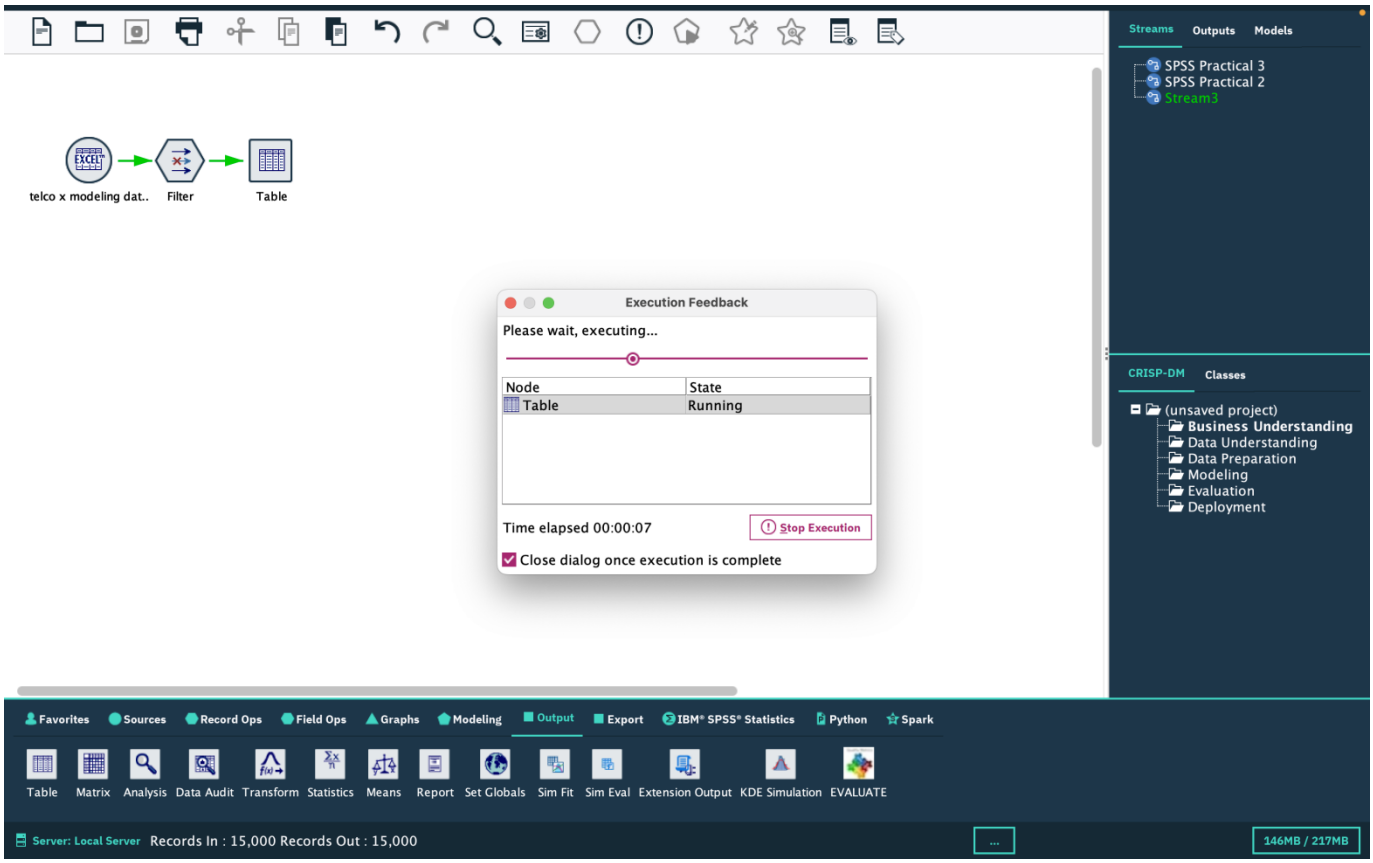
Step 1: Import Data: The process begins by importing an Excel file named telco x modeling data.xlsx into the IBM SPSS Modeler.



Step 2: Filter Data: A **Filter** node is used to select specific fields from the imported data. In this case, fields like customer_id, data_known, gender, age, and churn were kept, while others like tariff and dropped_calls were discarded.



Step 3: View Results: A Table node is connected to the Filter node to display the filtered data.



Step 4: Execute and Display: The execution of the stream is initiated, and the final output is a table showing a preview of the data with the selected fields.