5

INSIGHT TO ACTION

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5.1 DYNAMIC REPORT AND DASHBOARD

When it is necessary for the data in a cell to be split for a more manageable or understandable value, the **Text to columns** feature can be used to prevent confusion when having such a long text in a cell such as having a full name, date, address, and time all in one column. Moreover, it is also to ensure that the data can be used to its utmost potential. It is used to split the text into different columns to split full name into first name and last name. The data can be split either using a delimiter such as a comma, semicolon, space, tab, etc. to separate them into each different column. Besides, delimited text or values can also be split according to a specific fixed width according to the data's needs. The methods to convert text to columns have been explained in Section 2.7.

5.2 VISUALISATION USING R LANGUAGE

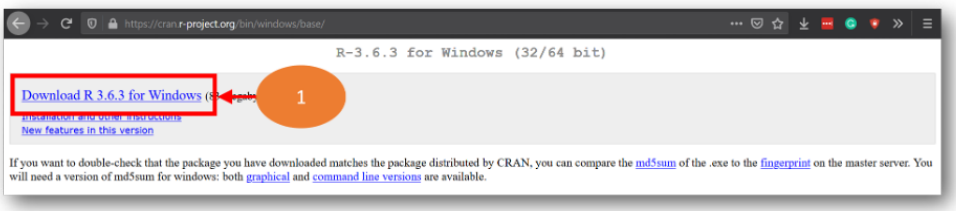
This section will teach you how to visualise your data with the help of the R language. With Power BI Desktop, you can use R to visualise your data. R is a language and environment for statistical computing and graphics. R Programming provides an acceptable range of optimised functions and libraries for visualisation and data creation (sggplot2, leaflet, lattice).

5.2.1 Procedure

The following are the procedures on visualisation using R language:

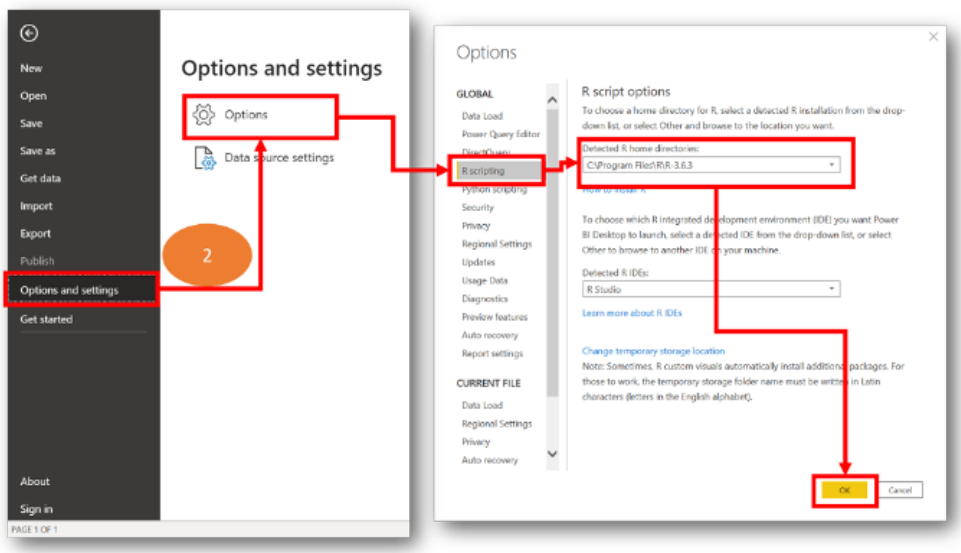
5.2.1.1 Enable R Scripting in Power BI Desktop

1. Install the latest R from https://cran.r-project.org/bin/windows/base/.



2. In **Power BI Desktop**, select **File > Options and settings > Options > R scripting**.

The R script options page will appear. Under **R script** options, the local R installation is specified in **Detected R home directories**. It properly reflects the local R installation of the Power BI Desktop use. Select "OK".



Once you specify the R installation, you are ready to begin running R scripts in Power BI Desktop.