## **Looker Assignment**

## How to add excel sheet data as a database in looker?

## Ans:

Although Looker does not connect directly to an Excel spreadsheet, there are ways to upload data via a derived table.

First, there is a third-party CSV to SQL Tool with which you can easily convert a CSV file into a SQL UNION ALL query, and generate a LookML-derived table file to copy and paste into the appropriate project.

The secondary method utilizes the CONCATENATE function to create a series of SELECT statements to create a SQL-based derived table ultimately. This method works only if you have a limited number of columns and rows, such as monthly forecasting data, and is not very scalable for large spreadsheets.

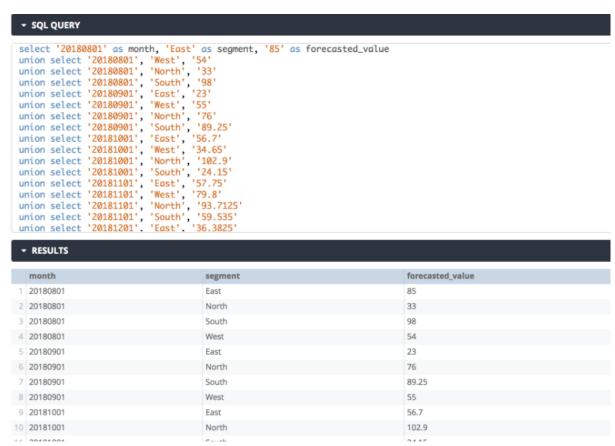
## For Example:

|     | A        | В      | С                |
|-----|----------|--------|------------------|
| 1   | Month    | Region | Forecasted Value |
| 2   | 20180801 | East   | 85.00            |
| 3   | 20180801 | West   | 54.00            |
| 4   | 20180801 | North  | 33.00            |
| 5   | 20180801 | South  | 98.00            |
| 6   | 20180901 | East   | 23.00            |
| 7   | 20180901 | West   | 55.00            |
| 8   | 20180901 | North  | 76.00            |
| 9   | 20180901 | South  | 89.25            |
| 10  | 20181001 | East   | 56.70            |
| 11  | 20181001 | West   | 34.65            |
| 12  | 20181001 | North  | 102.90           |
| 13  | 20181001 | South  | 24.15            |
| 14  | 20181101 | East   | 57.75            |
| 15  | 20181101 | West   | 79.80            |
| 16  | 20181101 | North  | 93.71            |
| 17  | 20181101 | South  | 59.54            |
| 4.0 |          |        | 00.00            |

Using the CONCATENATE function, we can create SQL SELECT statements to generate a table

The first line would be a simple SELECT clause, and the subsequent lines would UNION each row as a new SELECT clause.

We can then paste this SQL into SQL Runner to generate a table:



Subsequently, using Looker's **Add to Project** option, we can create a view file in our project. Looker creates dimensions from each column in the table. This new view file can then be joined into an Explore as needed.

