



VISUALISATIONS IN TABLEAU

RECAP

In the last lesson, we learned how to:

1. View and create a number of different visual chart types.

TABLEAU TEXT MANIPULATION

In this lesson, we will:

1. Create a number of calculated fields to clean and manipulate strings of text using **LEFT**, **MID**, **FIND**, and **REPLACE**.

TEXT MANIPULATION



STRING MANIPULATION

We're going to start off by learning how to manipulate string data, similar to what you learned with Excel and SQL.

Being able to manipulate your data inputs will be extremely useful, regardless of which analytics tool you're using!

LOAD THE DATA SET

- For this section, we are going to use the 'customer.csv' data set.
 - The customer information was manually created using fictitious names, addresses that can be located on Google maps, and other well formatted data (phone, fax, email, etc.)

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string_01:

```
LOWER("HI THERE") = "hi there"
'hello' + 'my friend' = 'hellomy friend'
```

Activity_01:

Combine the first and last name to make a column for full name. Make the entire name lowercase.



string_02:

```
LEFT( 'hello', 1 ) = 'h'
```

Activity_02:

Extract the area code from the phone number using **LEFT**.



string_o3:

```
REPLACE( 'hello', 'h', 'H' ) = 'Hello'
```

Activity_03:

Remove the parentheses from the area code using **REPLACE**.



string_04:

```
FIND( 'hello', 'e') = 2
LEFT( 'hello', FIND( 'hello', 'e') ) = 'he'
```

Activity_04:

Extract the email name (everything to the left of the "@" sign) using LEFT and FIND.



string_o5:

```
MID('hello', 2) = 'ello'
```

Activity_05:

Remove the area code from the phone number using MID.



Activity_06:

Remove the area code from the phone number using MID.



Activity_07:

Extract the domain name of each email



CONCLUSION



REVIEW: TEXT MANIPULATION IN TABLEAU

RECAP

In today's lesson, we learned how to:

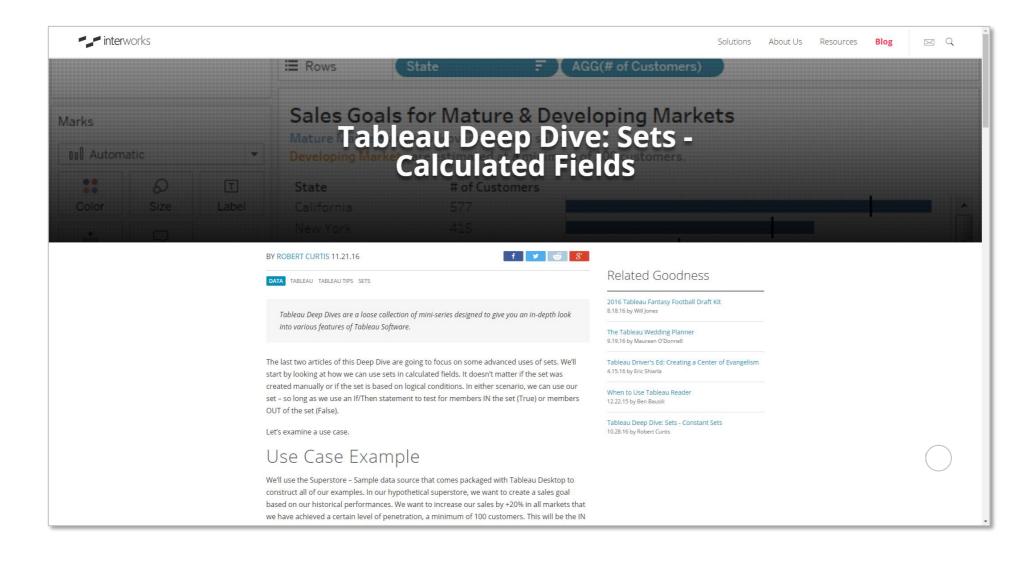
- 1. Perform a variety of text string function calculations in Tableau.
- 2. Clean data with the string functions LEFT, MID, FIND, and REPLACE.

Q&A

RESOURCES

Summary of String Functions — reference guide (Tableau):
 http://onlinehelp.tableau.com/current/pro/desktop/en-us/functions_functions_string.h
 tml

ADDITIONAL RESOURCE: CALCULATED FIELDS DEEP DIVE



GENERAL ASSEMBLY Source: https://goo.gl/0VmgmF

