Tableau Cheetsheet

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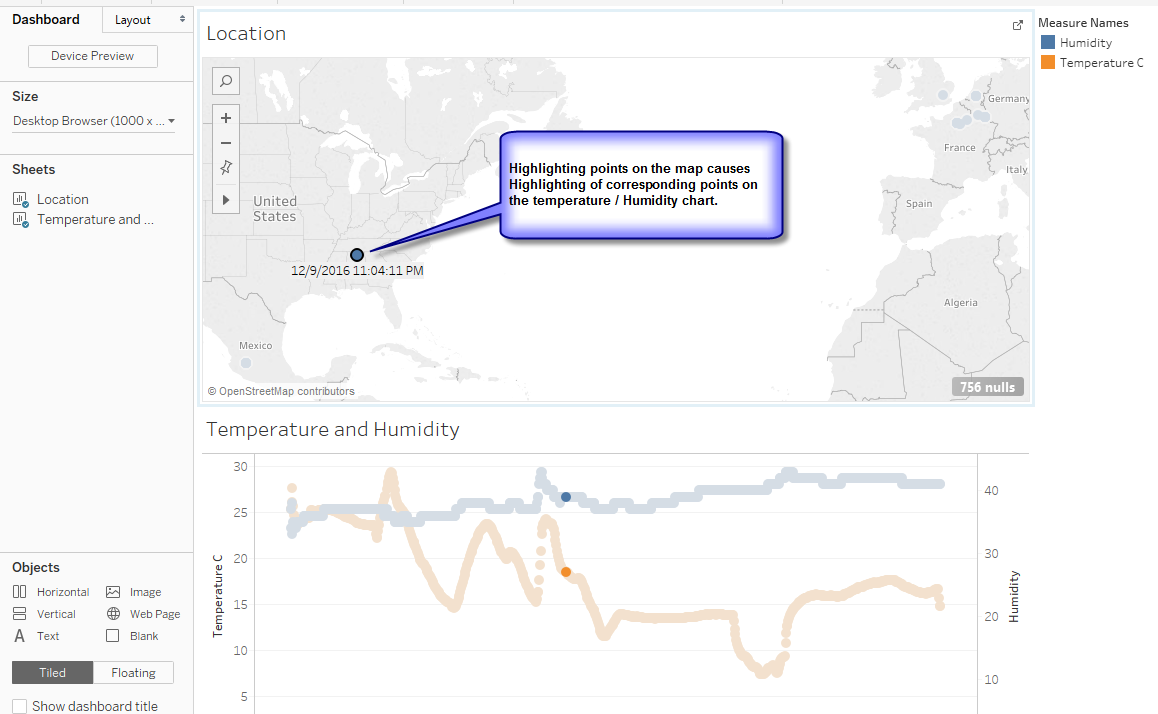
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# Dashboard with Map and Linked Actions



**Description of "Location"**

Map based on LON and LAT. The marks are labeled by Event Time.

**Marks**

|  |
| --- |
| The mark type is Circle (Automatic). |
| The marks are labeled by Event Time. Note: **This is key to make the Selection Action work!** |
| Stacked marks is off. |

**Shelves**

|  |  |
| --- | --- |
| **Rows:** | LAT |
| **Columns:** | LON |
| **Text:** | Event Time |

**Dimensions**

**Event Time** ranges from 11/15/2016 7:00:15 PM to 12/14/2016 11:03:25 AM on this sheet.

**Measures**

**LAT** ranges from 20.50 to 51.72 on this sheet.

**LON** ranges from -103.3 to 6.2 on this sheet.

**Data Source Details**

|  |  |
| --- | --- |
| **Data Source:** | air\_shipment\_extract\_2016-12-14\_1400\_shock\_LL |
| **Type:** | federated |
| **Table:** | air\_shipment\_extract\_2016-12-14\_1400\_shock\_LL#csv |

**Description of "Temperature and Humidity"**

The plots of Temperature C and Humidity for Event Time. Color shows details about Temperature C and Humidity. The view is filtered on Event Time, which includes dates on or after 12/6/2016 12:00:00 AM.

**Temperature C Properties**

**Marks**

|  |
| --- |
| The mark type is Circle. |
| Stacked marks is off. |

**Shelves**

|  |  |
| --- | --- |
| **Rows:** | Temperature C, Humidity |
| **Columns:** | Event Time |
| **Filters:** | Event Time |
| **Color:** | Measure Names |

**Humidity Properties**

**Marks**

|  |
| --- |
| The mark type is Circle. |
| Stacked marks is off. |

**Shelves**

|  |  |
| --- | --- |
| **Rows:** | Temperature C, Humidity |
| **Columns:** | Event Time |
| **Filters:** | Event Time |
| **Color:** | Measure Names |

**Dimensions**

**Measure Names** has 2 members on this sheet

Members: Humidity; Temperature C

**Event Time** ranges from 12/6/2016 3:45:56 PM to 12/14/2016 11:03:25 AM on this sheet.

The filter associated with this field includes dates on or after 12/6/2016 12:00:00 AM.

**Measures**

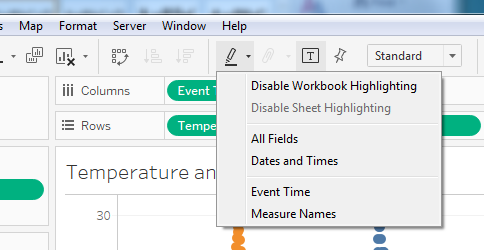
**Humidity** ranges from 33.00 to 43.00 on this sheet.

**Temperature C** ranges from 7.40 to 29.40 on this sheet.

**Data Source Details**

|  |  |
| --- | --- |
| **Data Source:** | air\_shipment\_extract\_2016-12-14\_1400\_shock\_LL |
| **Type:** | federated |
| **Table:** | air\_shipment\_extract\_2016-12-14\_1400\_shock\_LL#csv |

Also, Make sure you enable highlighting, here:



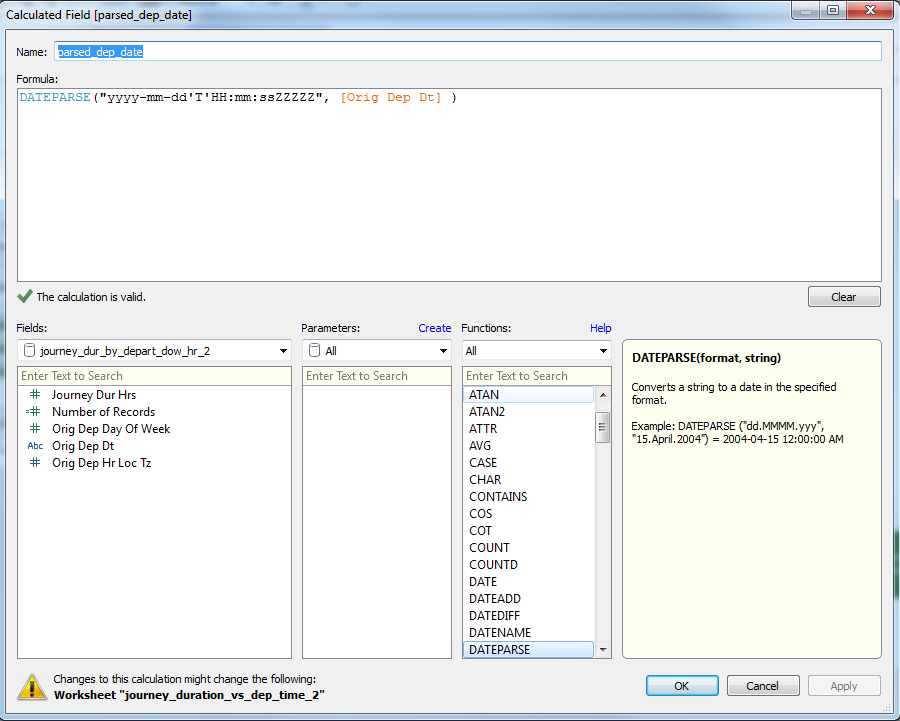
# Dates and Times

## Date Time Text Format which Imports Automatically Into Tableau

Note: This is one form of ISO 8601.

2016-11-15T18:12:49Z

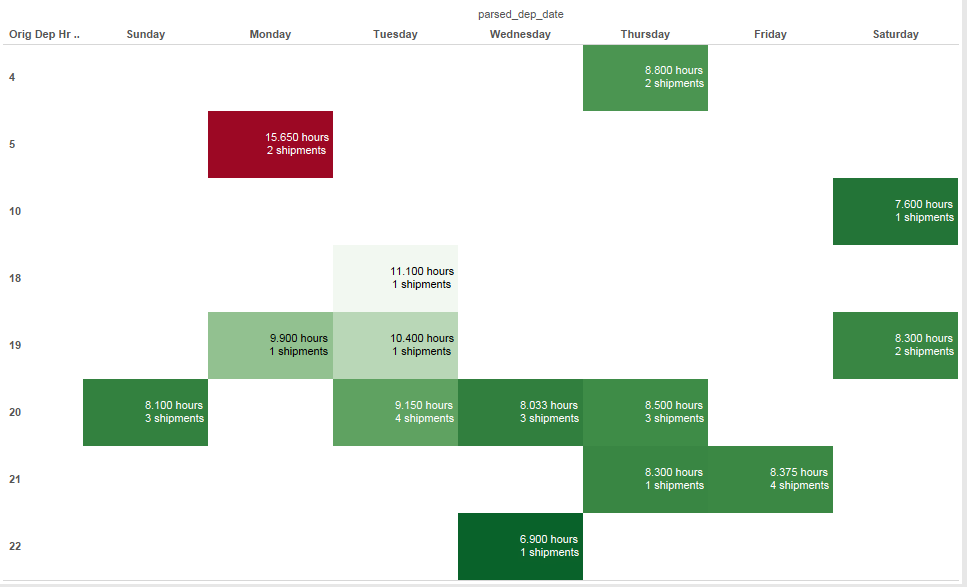
## Parse an ISO 8601 Date Field into a Tableau Date



where the string being parsed in an ISO date in the form **2015-12-15T07:36:25+00:00.**

The format characters are specified at <http://userguide.icu-project.org/formatparse/datetime>.

## Show Measure by Hour and Day of Week



MIMEX\_journey\_event\_time.twbx

**Description of "journey\_duration\_vs\_dep\_time\_2"**

Average of Journey Dur Hrs and sum of Number of Records broken down by parsed\_dep\_date Weekday vs. Orig Dep Hr Loc Tz. Color shows average of Journey Dur Hrs. The marks are labeled by average of Journey Dur Hrs and sum of Number of Records.

**Marks**

|  |
| --- |
| The mark type is Square. |
| The marks are labeled by average of Journey Dur Hrs and sum of Number of Records. |
| Stacked marks is on. |

**Shelves**

|  |  |
| --- | --- |
| **Rows:** | Orig Dep Hr Loc Tz |
| **Columns:** | Weekday of parsed\_dep\_date |
| **Text:** | Average of Journey Dur Hrs and sum of Number of Records |
| **Color:** | Average of Journey Dur Hrs |

**Dimensions**

**Orig Dep Hr Loc Tz** has 8 members on this sheet

Members: 10; 20; 21; 22; 4; ...

**Parsed\_dep\_date Weekday** has 7 members on this sheet

Members: Friday; Saturday; Thursday; Tuesday; Wednesday; ...

The formula is DATEPARSE("yyyy-mm-dd'T'HH:mm:ssZZZZZ", [Orig Dep Dt] )

**Measures**

**Average of Journey Dur Hrs** ranges from 6.900 to 15.650 on this sheet.

**Sum of Number of Records** ranges from 1 to 4 on this sheet.

The formula is 1

**Data Source Details**

|  |  |
| --- | --- |
| **Data Source:** | journey\_dur\_by\_depart\_dow\_hr\_2 |
| **Type:** | Delimited Text File |
| **Directory:** | C:/Users/bbeauchamp/Documents/Data Analytics/Customers\_and\_Projects/Michelin Mexico |
| **File Name:** | journey\_dur\_by\_depart\_dow\_hr\_2.csv |
| **Field Separator:** | Comma |
| **Has Header Row:** | Yes |

# Histograms

## Overlapping Histograms

Hello,

Your case #02947262 has been updated. The new comment is:

Hello Bruce,

Thank you for taking my call earlier. We were able to show the desired histogram taking the following steps,

First we needed to pivot the data so we could have our values in one column and categories in another. We did this by highlighting the necessary fields in the Data Source Window and then right clicking and selecting Pivot. For more information about this feature and the type of data Tableau works best with please see the following:

Pivot Data from Columns to Rows

<http://onlinehelp.tableau.com/current/pro/desktop/en-us/pivot.html>

Data Prep with Text and Excel Files (specifically the section about pivoting)

<https://www.tableau.com/learn/tutorials/on-demand/data-prep-text-and-excel-files#SeXRFpwv3IdWoPhH.99>

Once the data was pivoted we were able to:

1. Drag Pivot Field Values onto Rows

2. Right click Pivot Field Values in the Data Pane and select Create > Bins…

3. Select the size of the Bins, we chose 1

4. Drag the new bin from Dimensions onto Columns

5. Drag Pivot Field Names onto color

6. Turn off Stacked Marks at Analysis > Stack Marks > Off

7. Click on Color and change the Opacity to make the view a bit transparent

8. To shift the order of Shock G we moved the names on the Color Legend

Note: The tableau workbook which illustrates this is stored in tableau\_example\_workbooks/overlapping\_histograms.twbx

# Wrong Date Displayed on Discrete Line Chart

