

## Report 2 – Daypart Calculator

### Requirements

This report groups data by the day and hour for a given date range and outputs a single summary table for days of the week and the 24 hours within those days with data. This could be a line graph and/or individual charts for each day.

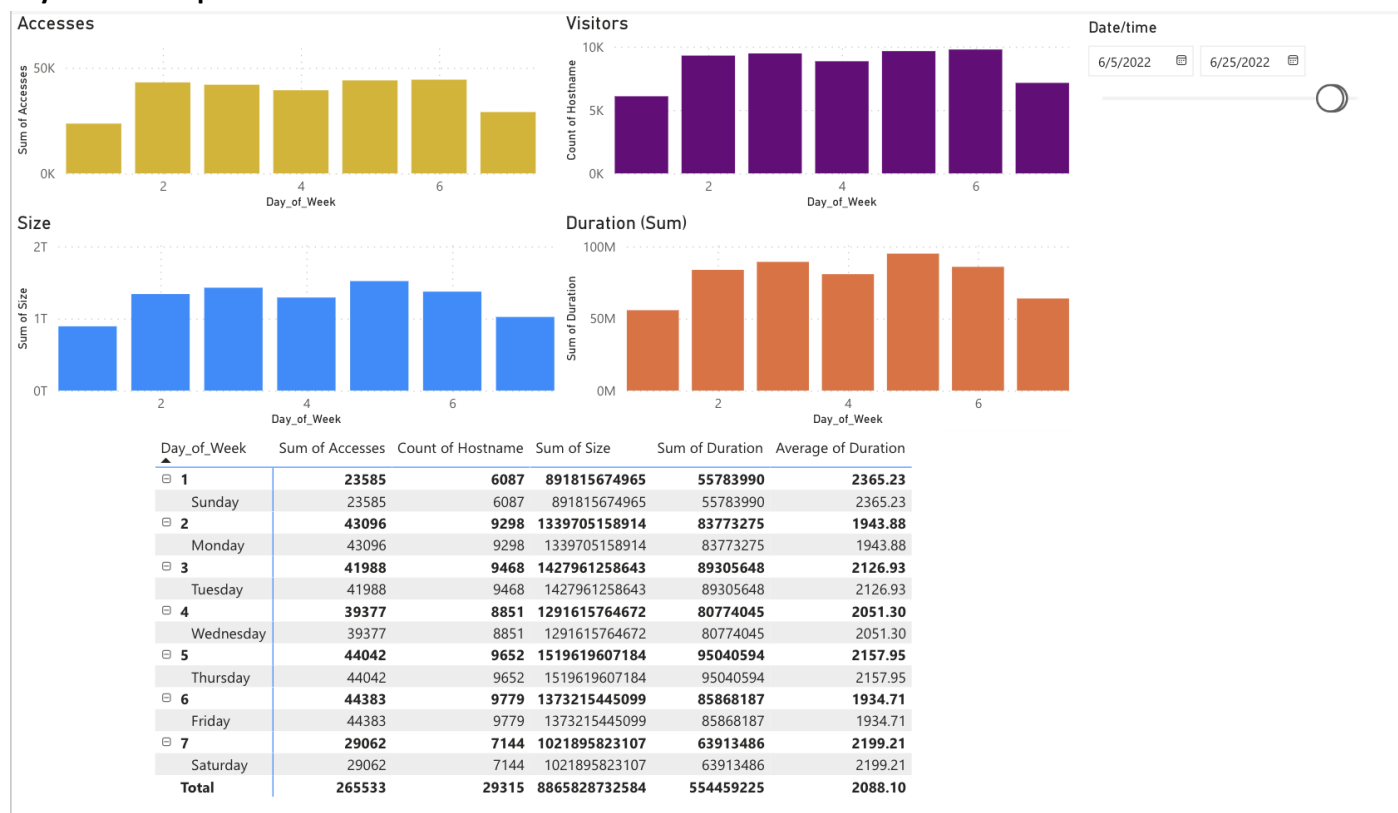
Report outputs should consist of a table with these columns:

- Visitors – tally of unique hostnames accessing the stream in a given date range and interval
- Average duration – the average of time spent listening divided by the number of Accesses in a given date range and interval

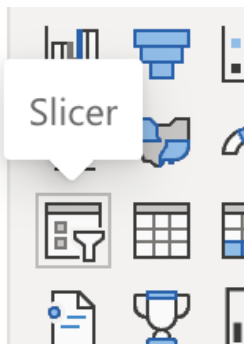
Report filtering criteria are:

- Date Range: Begin and end date – where begin date <= access date < end date. We will only be looking at whole days so begin date is midnight of the date and the end date is midnight of the next day. So with begin date = 2020-09-01 and end date = 2020-09-30 we include all records with: Access Date/time between 2020-09-01 00:00:00 and 2020-10-01 00:00:00 or 2020-09-01 00:00:00 <= Date/time < 2020-10-01 00:00:00

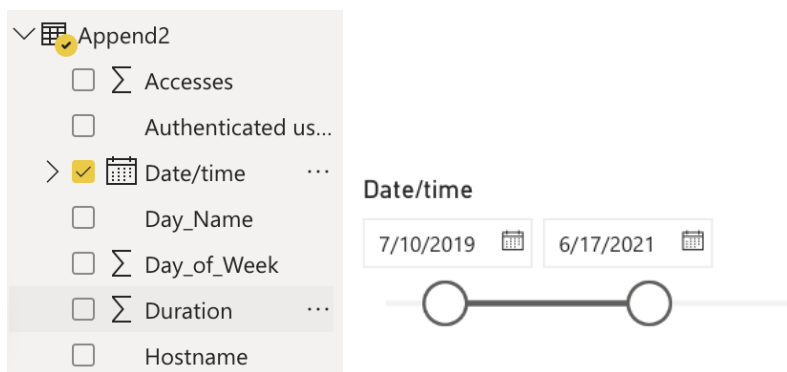
### Day of Week Report



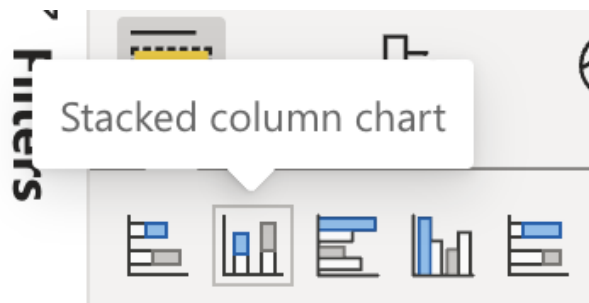
1. Select Slicer



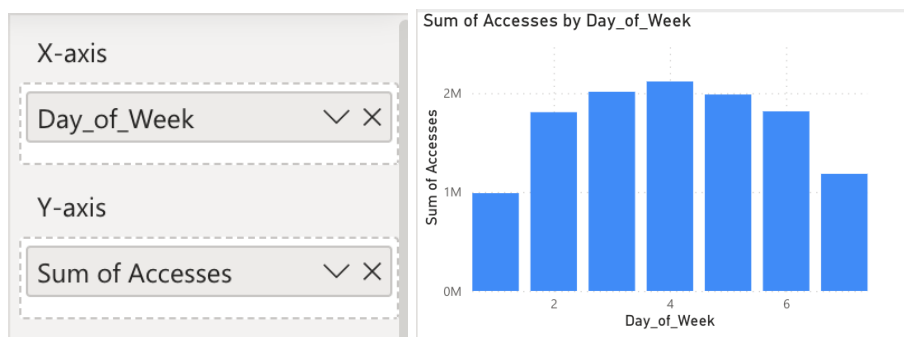
2. Select Date/Time field to add it to the slicer



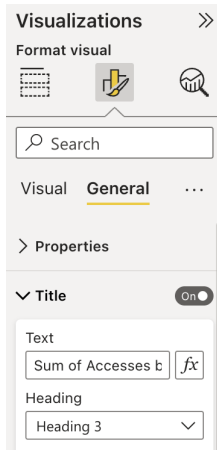
3. Now add Stacked Column Chart



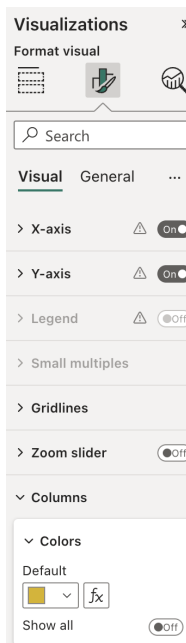
4. Add the fields Day\_of\_Week and Sum of Accesses to make bar graph for accesses



5. Change Title Names - Click format visual on the visualization tabs, and fields will pop up to change the title and axis titles.

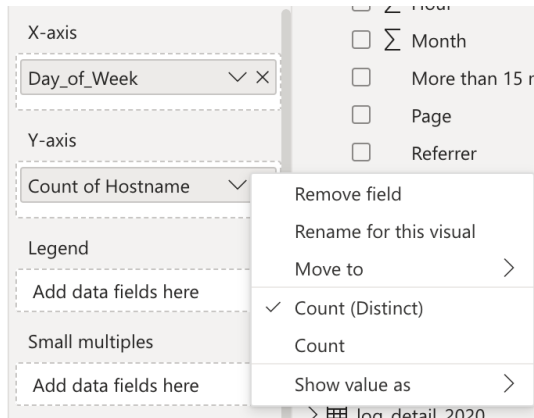


6. Change Colors - Under the Visualizations tab select format visualizations, then select columns, and then change color there.



## 7. Visitors Bar Graph

- Create a Stacked Column Chart, the same as above
- Select Day\_of\_week for the x-axis
- Select Count\_of\_Hostname for the y-axis, then click the arrow next to Count\_of\_Hostname and then choose the option for count(distinct)



#### 8. Size Bar Graph

- Follow the same steps above, except select Sum Of Size for the y-axis

#### 9. Duration Bar Graph

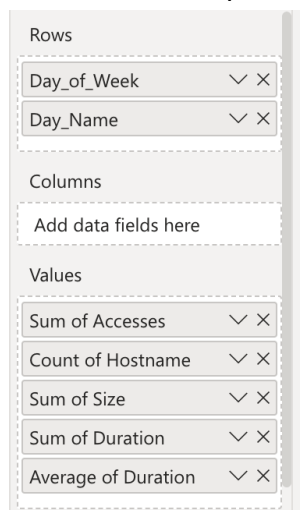
- Follow the same steps above, except select Sum Of Duration for the y-axis

#### 10. Creating the table

- Select Matrix Option

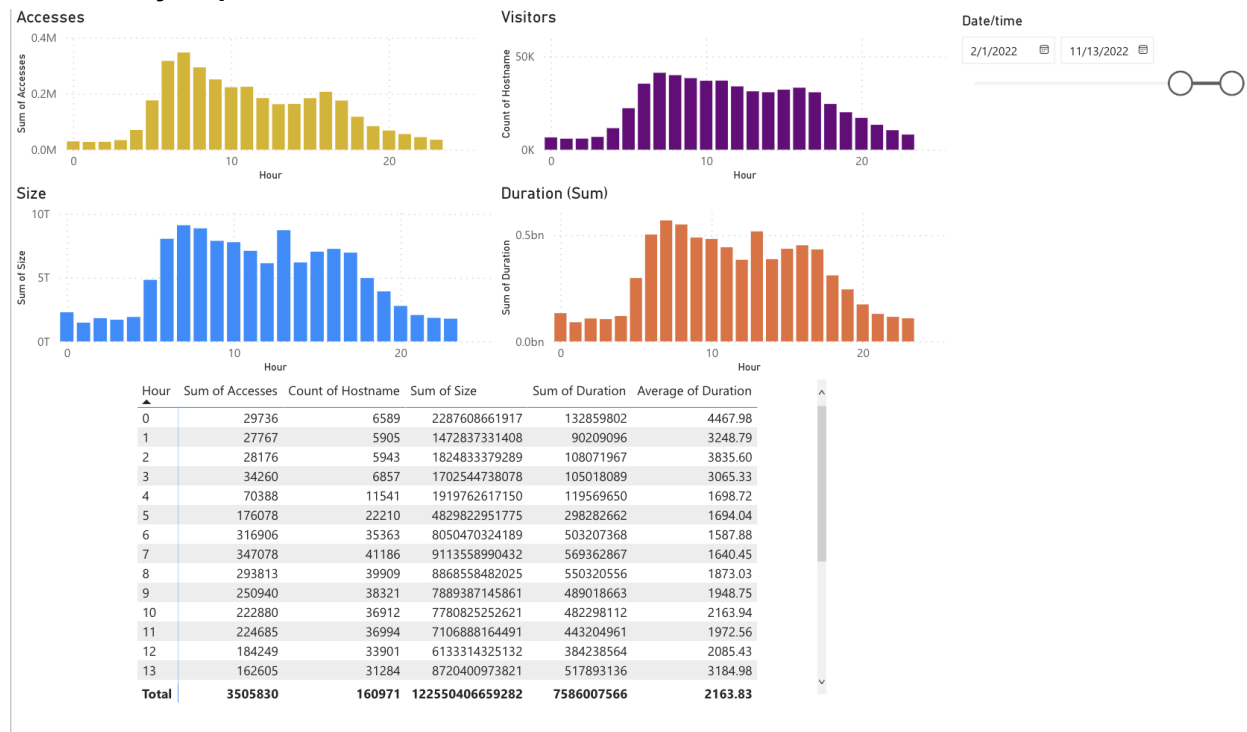


- Add the field names as shown below
  - Make to click the drop down for count of Hostname and select the “ count distinct” option



- Final table should appear like the one below

## Hour of Day Report



To Create this report, add a new page to the original report. Then you can recreate in one of two ways.

1. Copy all of the reports individually onto the new page and simply change the X-axis to be Append2 Hour instead of Day of Week.

### Visualizations

Build visual

Add data fields here

X-axis

Hour

Y-axis

Sum of Accesses

### Fields

Search

- > Append1
- > Append2
- > log\_detail\_0\_001
- > log\_detail\_2019
- > log\_detail\_2020
- > log\_detail\_2021
- > log\_detail\_2022
- > log\_detail\_Jan-2019

2. Individually recreate each report following the same steps listed above, but using hour in place of Day of Week.