Power BI Reporting Recommended Formatting

Reporting & Insights Team

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Document Purpose and Usage

Document Purpose

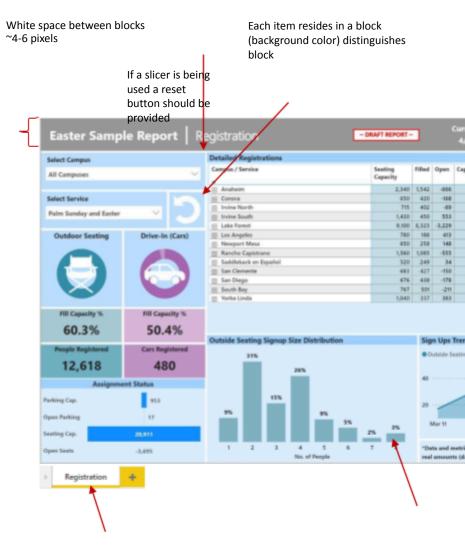
- Serve as a recommendation for report object formatting to ensure standardization of all reports from the R&I team
- · Document approved object formatting specifications
- Document best practices for report model and object labeling to aid in future maintenance or report handoff
- This document is intended to be used as a baseline for report development and in no way is intended to limit report design customization
- All screenshots used in this document contain obfuscated data so although the metrics may be from a production report the numbers are not real

Document Usage/Notation

Object/Notation	Description
P/S: (100/100/100/100)	This refers to a recommended X-Position, Y-Position, Width, and Height. If an N is used in place of a number it indicates that, that attribute will vary based on the object
Font: Segoe / 20 / BI / Left / FFFFFF	This refers to the font formatting for the following attributes (in this order, if an attributes is not available or is none it is left blank) Font Size B=Bold, I=Italic, U=Underline Justification (left, right, center) Color in HEX
Color: 999999 / 10	Color of background, fill, outline, etc.Color in HEXTransparency in %
Grid: On / 999999 / 1	Refers to grid formatting On or off Color in HEX Grid thickness
* Items not listed	Be default if an attribute is not listed it is either turned off, null, or default value

Report Page Overview / Layout

Header section should be standardized for all reports



Report Page Name

- This is the main navigation item for report viewers
- Use simple and clear names (should match title in most cases)

Tooltips

- Regardless of whether tooltips are on or off all charts and tables should have user friendly names
- In some cases tooltips will display even if off



Filters

- If filters are not going to be available to users then disable the view
- If they are then ensure each has a user friendly name and matches what is displayed on the



Report Options and Settings

Setting Item	Selection
Report Page: Click Page > Format Tab > Canvas Settings > Type	Type = 16:9
Options: Current File > Data Load > Relationships	 Import Relationship from data sources on first load = Off Autodetect new relationships after data is loaded = Off
Options: Current File > Data Load > Background Data	*Only if the report is taking excessive resources • Allow data previews to download in the background = Off
Options: Current File > Data Load > Q&A	Turn on Q&A to ask natural language questions about your data = Off
Options: Current File > Report Settings > Persistent Filters	Don't allow end user to save filters on this file in the power BI service = On
Options: Current File > Report Settings > Visual Options	 Hide the visual header in reading view = On Use the modern visual header with updated styling options = On
Options: Current File > Report Settings > Export Data	Don't allow end users to export any data from the service or Report Server = On
Options: Current File > Report Settings > Filtering Experience	 Allow users to change filter types = Off Enable search for the filter pane = Off
Click on report page object Format (in ribbon) > Edit Interactions Edit interactions	Check all report item interactions before publishing. If the interaction does not make sense or help in understanding the data then default to turning off.

Report Page Header

Item: Report Title | Page Title

Obj
ect:
text
box
P/S:
13/0
/785
/74
Font(Report Title): Segoe UI / 20 / B /
Left / FFFFFF Font(Page Title): Segoe UI

Light / 20 / B / Left / FFFFFF

Item: Header Background Block
Object: shape P/S:
0/0/1000/68

Item: Draft Report Icon
Background Color: 999999 / 0

Easter Sample Report Registration

Item: Refresh Date Title
Object: textbox
P/S: 830/5/160/42
Font: Segoe (Bold) / 12 / Center / FFFFFF

Item: Refresh Date
Object: card

P/S: 835/27/150/42 Font: Segoe UI Bold / 12 / FFFFFF Item: HC Icon Object: image P/S: 1004/0/206/68 Action: Web URL

URL: https://hc.saddleback.com

Item: Report Notes Button

Object: image P/S: 1210/0/70/72 Scaling: Fill Action:

Bookmark

Item: Notes Title / Notes to User

Obje

ct:

textb

OX

P/S:

667/

0/60 8/61

Font(Notes Title): Segoe (Bold) / 16 / /
Center / FFFFFF Font(Notes to User): Segoe

(Bold) / 12 / / Center / FFFFFF

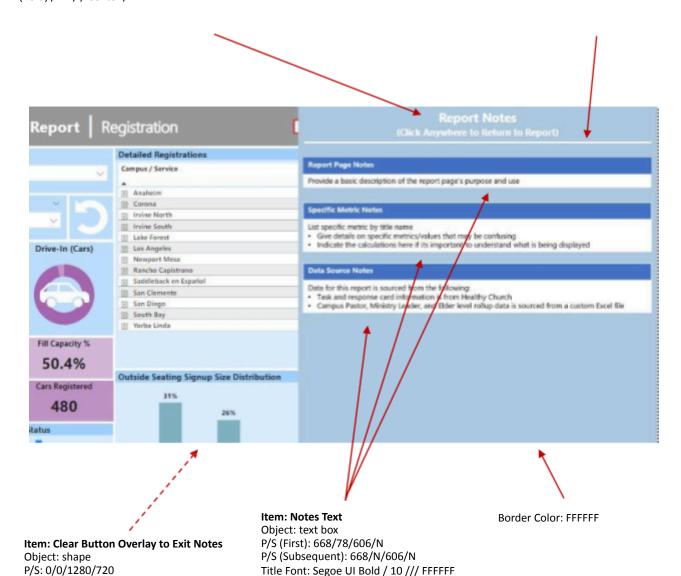
Action: Bookmark

Item: Break Line

Object: line

P/S: 662/50/618/23 Line Color: FFFFFF / 0

Line Width: 3



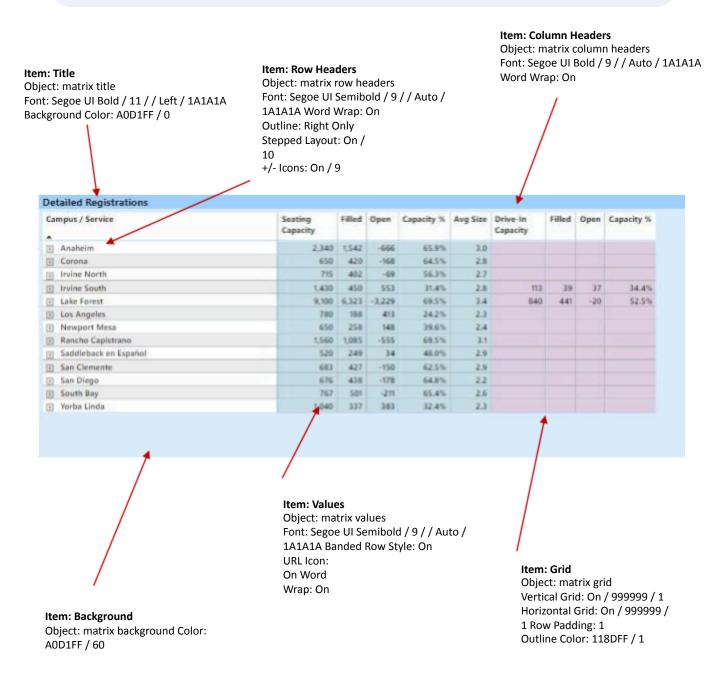
Text Font: Segoe UI / 9 /// 333333 Title Background Color: 4472C4

Item: Notes Background Object: shape P/S: 662/0/618/720 Background Color: ADC8E1 / 0



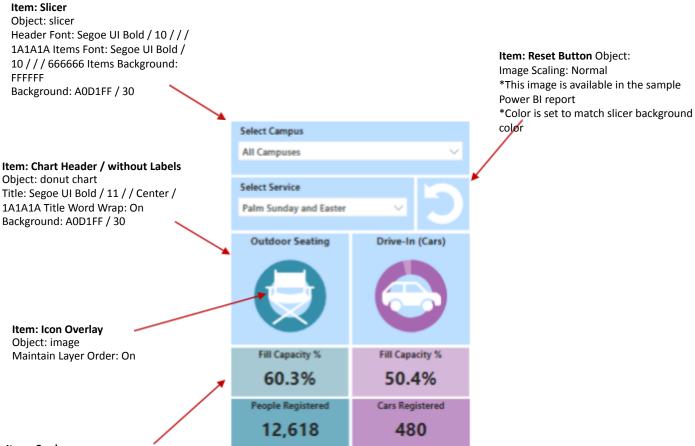
Report Page Tables and Matrices

- If possible, the table/matrix should be created as one object and formatted with the following attributes
- Overlaying multiple items should be avoided in order to simplify creating the report page mobile view





Report Page Objects and Cards



Item: Card Object: card

Data Label: Segoe UI Bold / 20 / / 1A1A1A Word

Wrap: On

Title: Segoe UI Bold / 10 / / Center / 1A1A1A Title

Word Wrap: On

*Standard Background: A0D1FF / 30

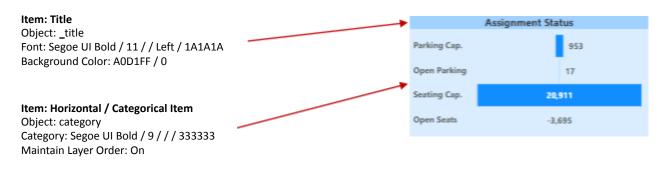
Item: Notes
Object: textbox

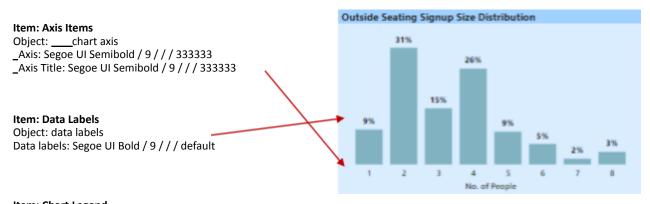
Text: Segoe (Bold) / 9/ / Left / 1A1A1A

Background: A0D1FF / 60

*Data and metrics on this report are for sample purposes only and do not reflect real amounts (data has been manually obfuscated)

Report Page Charts and Visuals

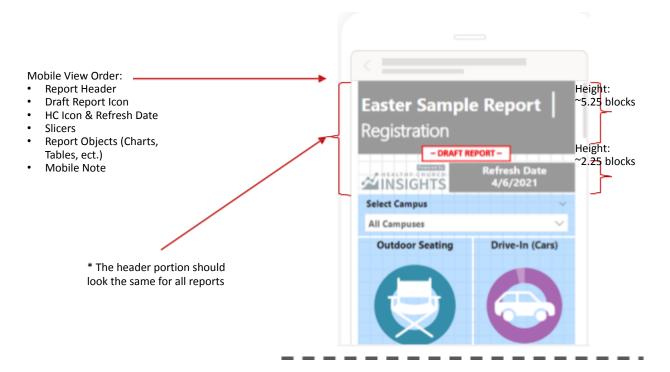








Report Page Mobile View



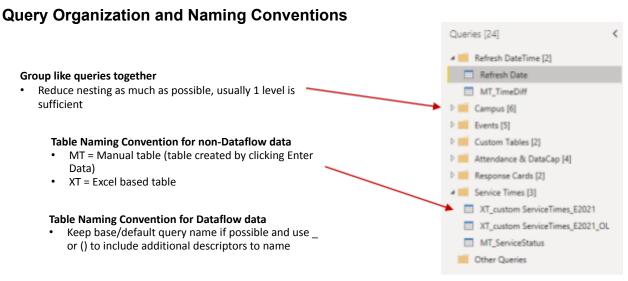


Height: Keep less than one full screen size to prevent scrolling to view

- * Mobile note objects are hidden on the report page behind a white shape
- * These objects are available in the sample Power BI Report



Model Standards: Power Query



Disable Load / Delete Tables Where Possible

- If a query is not being used, remove it from the model to reduce file size and complexity
- If a query is only used to calculate another query and does not need to be referenced when building the report then <u>Disable Load</u>

Query Design and Notes

Label each step or like set of steps with instructions on what the step is doing

This should be done for all queries to assist in future maintenance

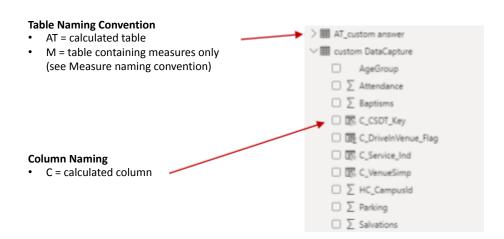
Shared DimCampus

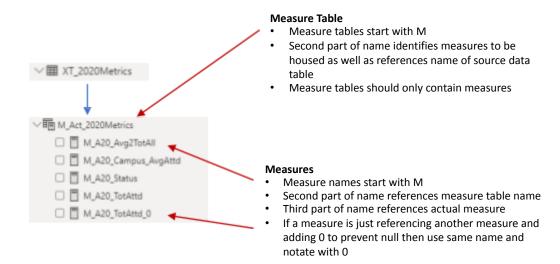


• Precede each note with // to set as a note



Model Standards: Report Model (DAX)

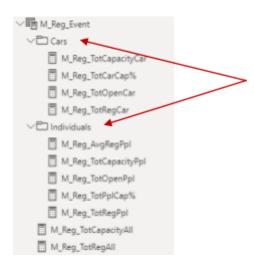




Model Standards: Report Model (DAX) cont.

Optional Display Folder Assignment (for all tables)

- Allows for even further categorization of table objects
- Usually applied towards the end of the report build process in order to enable more efficient future work on the report



Display Folder

- To assign name go to model view, Properties > General > Display Folder
- Enter folder name here
- To remove from folder, enter space " " in folder name

Calculated Columns/Measures/Tables Notes

- · Describe column or measure
- If using complex logic notate steps as well

```
1 M_Reg_TotRegPpl =
2 //Toatl number of individuals registered to sit outside
3 CALCULATE( SUM( 'event event'[C_TotalReg_Amt] ) ,
4 FILTER( 'event event' , 'event event'[C_EventType4Cnt_Ind] = "OS" ))
```