

Tableau for Slot Performance Analysis

Assignments Help v. 1.1

William Dunn - Instructor

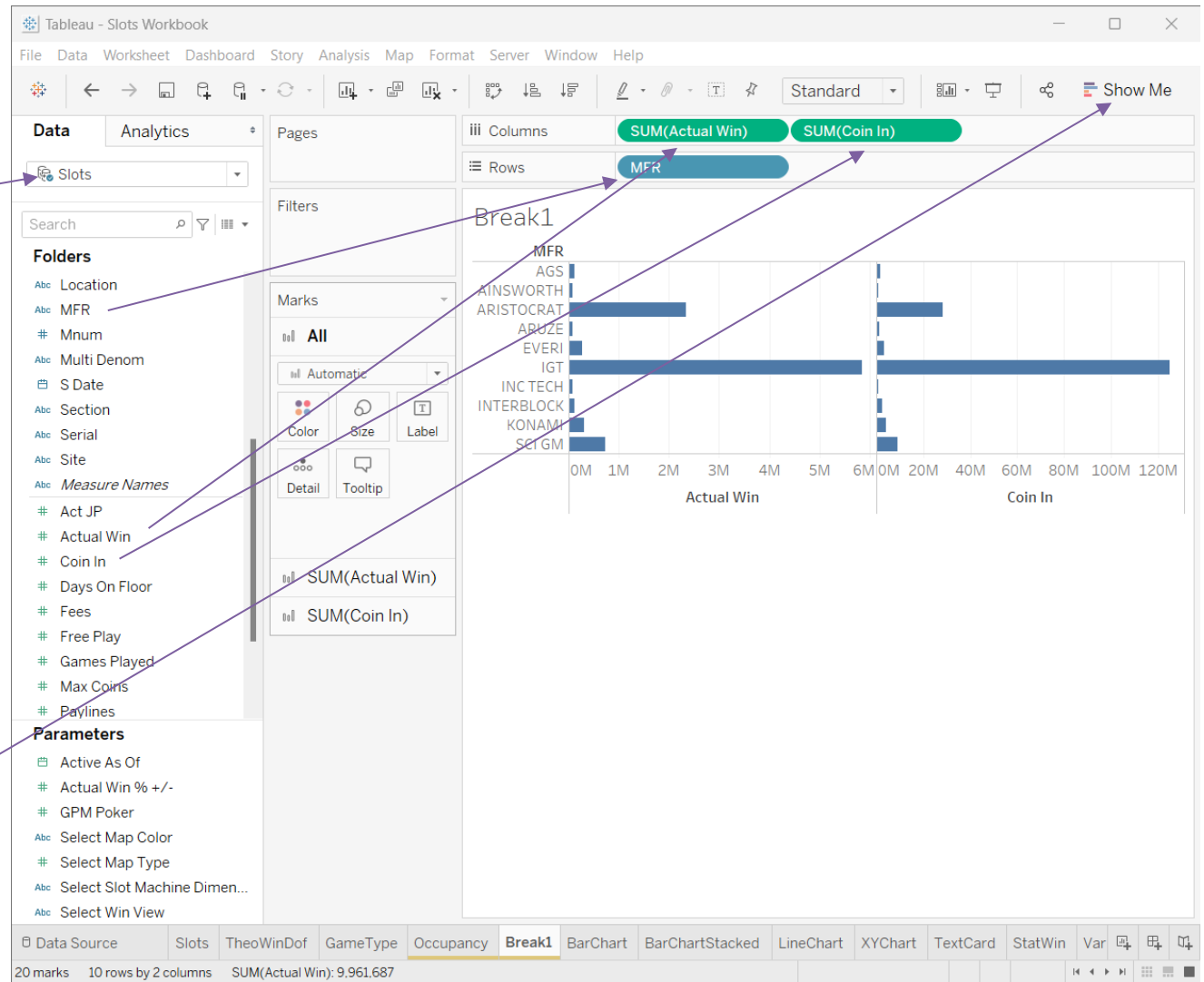


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Break 1 Help

1. Go to the **Break1** worksheet; use **Slots** as the data source
2. Drag **MFR** to the Rows shelf
3. Drag **Actual Win** to the Columns shelf
4. Drag **Coin In** to the Columns shelf
5. Use the **Show Me** button to make your worksheet a Text Table



6. Show Column Grand Totals on your table

The screenshot shows the Tableau interface with the 'Analysis' menu open. The 'Totals' option is selected, and its sub-menu is visible, showing 'Show Column Grand Totals' as the chosen option. The background shows a data table with columns for 'Occupancy' and 'Break1', and rows for 'TheoWinDof' and 'GameType'. The status bar at the bottom indicates '22 marks', '11 rows by 2 columns', and a 'SUM of Measure Values: 186,283,292'.

Tableau - Slots Workbook

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Standard Show Me

Measure Names

Measure Values

3,975,687

9,014,984

176,321,606

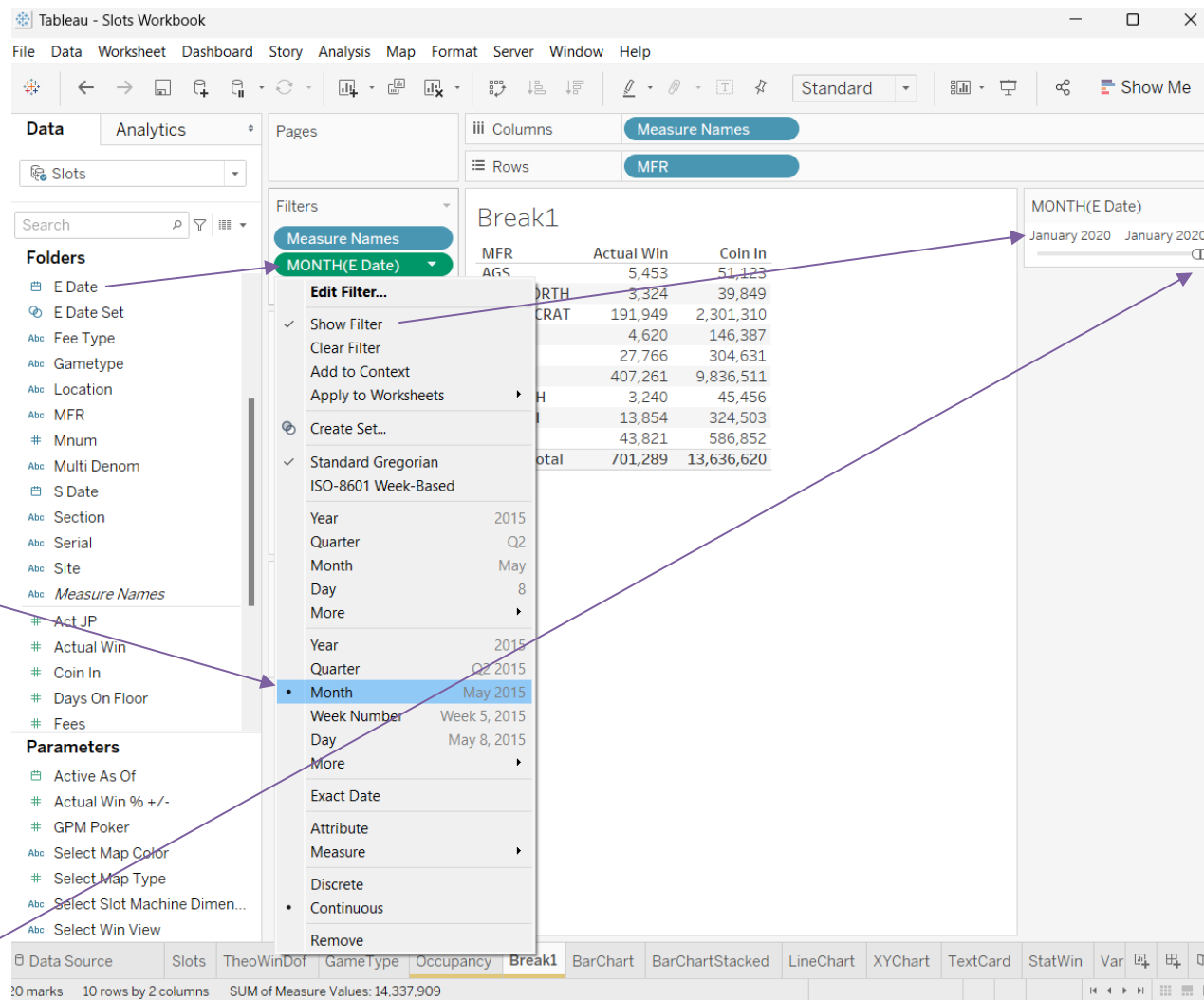
For text tables try

1 or more Dimensions

1 or more Measures

22 marks 11 rows by 2 columns SUM of Measure Values: 186,283,292

7. Add E Date as a Filter



8. Change from "Exact Date" to Month (with Year)

9. Show the filter and then filter the data to only January 2020

Day 1 Help

Modified Occupancy Calculation (you should see 21% on the IGT GK KENO row)

Slots ×

```
IF MAX([Game Type]) = "POKER"  
THEN SUM([Games Played]) / (SUM([Days On Floor]) * (10*60*24))  
  
ELSEIF MAX([Game Type]) = "ETG"  
THEN SUM([Games Played]) / (SUM([Days On Floor]) * (1.5*60*24))  
  
ELSEIF MAX([Game Type]) = "KENO"  
THEN SUM([Games Played]) / (SUM([Days On Floor]) * (5*60*24))  
  
ELSE SUM([Games Played]) / (SUM([Days On Floor]) * (6*60*24))  
END
```

The calculation is valid.

24 Dependencies ▾

"Cabinet" cleans up S 2000

S 2000	S2000
S2000	S2000
S3000	S3000
S3000 XL	S3000 XL
UNIVERSAL SLA..	UNIVERSAL S
Grand Total	

Cabinet Slots ×

```
IF [Cabinet Model] = "S 2000" THEN "S2000"  
ELSE [Cabinet Model]  
END
```

The calculation is valid. 1 Dependency ▾ Apply OK

Removing Game Type and Cabinet Model

Tableau - Slots Workbook

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Standard Show Me

Data Analytics Pages

Columns: Measure Names

Rows: MFR Cabinet Model

Filters: MFR: IGT Measure Names

Marks: Automatic Color Size Text Detail Tooltip Measure Values

Parameters: No matches

Day1

MFR	Cabinet Model	Occupancy	Count	Percentage	Count
IGT	AVP		1		
	AXIS 3D		1		
	CRYSTAL CURVE		1		
	CRYSTAL SLANT		1		
	CRYSTAL ULTRA		1		
	G20 BARTOP		1		
	GK		1		
	GK PLUS		1		
	I GAME		1		
	S 2000				
	S2000				
	S3000	9%			83,456
	S3000 XL	4%			21,638
	UNIVERSAL SLA..	3%			55,282
Grand Total			14%		5,867,885

MFR Filter List:

- (All)
- AGS
- AINSWORTH
- ARISTOCRAT
- ARUZE
- EVERI
- IGT
- INC TECH
- INTERBLOCK
- KONAMI
- SCI GM

Tableau Context Menu:

- Filter...
- Show Filter
- Show Highlighter
- Sort...
- Format...
- Show Header
- Include in Tooltip
- Edit Aliases...
- Dimension
- Attribute
- Measure
- Edit in Shelf
- Remove

Bottom Panel:

Data Source: Slots TheoWinDof GameType Occupancy Break1 BarChart BarChartStacked LineChart XYChart TextCard StatWin Variance X

Worksheet should look like this after replacing **MFR** with **YYYYMM** and selecting “(All)” on the MFR filter card

The screenshot shows the Tableau interface for a worksheet named "Day1". The main view is a table with the following data:

YYYYMM	Occupancy	Theo Win
201901	13%	749,866
201902	12%	589,669
201903	14%	786,004
201904	14%	767,489
201905	15%	846,991
201906	15%	854,548
201907	17%	1,047,427
201908	17%	1,028,089
201909	17%	946,007
201910	16%	896,318
201911	15%	759,776
201912	13%	726,907
202001	14%	814,236
Grand Total	15%	10,813,328

The interface also shows a sidebar with filters: "MFR" and "Measure Names". The "MFR" filter is set to "(All)". The "Measure Values" card contains "AGG(Occupancy)" and "SUM(Theo Win)". The "Parameters" section shows "No matches". The bottom status bar indicates "28 marks 14 rows by 2 columns SUM of Measure Values: 10,813,330".

Carded Pct of Theo

Data Analytics

Slots

carded

Folders

- CalcMeasures
 - Carded Pct Coin In
 - Carded Pct of Theo**

Parameters

No matches

Pages

Filters

- MFR
- Measure Names

Marks

Automatic

Color Size Text

Detail Tooltip

Measure Values

- AGG(Occupancy)
- SUM(Theo Win)
- AGG(Carded Pct of T..)

Columns: Measure Names

Rows: YYYYMM

Day1

YYYYMM	Occupancy	Theo Win	Carded Pct of Theo
201901	13%	749,866	81.9%
201902	12%	589,669	75.7%
201903	14%	786,004	73.9%
201904	14%	767,489	74.9%
201905	15%	846,991	74.2%
201906	15%	854,548	72.7%
201907	17%	1,047,427	71.3%
201908	17%	1,028,089	67.9%
201909	17%	946,007	71.6%
201910	16%	896,318	72.4%
201911	15%	759,776	80.2%
201912	13%	726,907	86.7%
202001	14%	814,236	87.1%
Grand Total	15%	10,813,328	75.7%

Carded Pct of Theo

$$\text{SUM}([\text{CardedSlots}].[\text{Carded Slot Win Theo}]) / \text{SUM}([\text{Theo Win}])$$

The calculation is valid. 1 Dependency

Apply OK

MFR

- (All)
- AGS
- AINS
- ARIS
- ARU
- EVEI
- IGT
- INC
- INTE
- KON
- SCIC

Creating a New Folder for your Calculations

The screenshot shows the Tableau interface with a worksheet named 'Day1'. The 'Columns' shelf contains 'Measure Names' and the 'Rows' shelf contains 'YYYYMM'. The main view displays a table with columns for 'YYYYMM', 'Occupancy', 'Theo Win', and 'Carded Pct of Theo'. A context menu is open over the 'Carded Pct of Theo' measure, with the 'Folders' option selected, and a sub-menu showing 'Add to Folder...' and 'Create Folder...'. The 'Create Folder...' option is highlighted.

YYYYMM	Occupancy	Theo Win	Carded Pct of Theo
201901	13%	749,866	81.9%
201902	12%	589,669	75.7%
201903	14%	786,004	73.9%
201904	14%	767,489	74.9%
201905	15%	846,991	74.2%
201906	15%	854,548	72.7%
201907	17%	1,047,427	71.3%
201908	17%	1,028,089	67.9%
201909	17%	946,007	71.6%
201910	16%	896,318	72.4%
201911	15%	759,776	80.2%
201912	13%	726,907	86.7%
202001	14%	814,236	87.1%
Grand Total	15%	10,813,328	75.7%

MFR

- (All)
- AGS
- AINSWORTH
- ARISTOCRAT
- ARUZE
- EVERI
- IGT
- INC TECH
- INTERBLOCK
- KONAMI
- SCI GM

12 marks 14 rows by 3 columns SUM of Measure Values: 10,813,340

Break 2 Help

Parameter for ETG (Electronic Table Game) Games Per Minute rate of play assumption of 1.5

The screenshot shows a software interface with a sidebar on the left containing a search bar and a list of folders and parameters. The 'Parameters' section is expanded, and 'GPM ETG' is selected. A dialog box titled 'Edit Parameter [GPM ETG]' is open in the foreground, displaying the following configuration:

- Name: GPM ETG
- Properties:
 - Data type: Float
 - Current value: 1.5
 - Value when workbook opens: Current value
 - Display format: Automatic
 - Allowable values: All List Range
- Range of values:
 - Minimum: 0.5
 - Maximum: 20
 - Step size: 1
 - Fixed
 - When workbook opens
 - Set values from: [dropdown arrow]
 - None

Buttons for 'OK' and 'Cancel' are at the bottom of the dialog.

Game Type	Fee Type	Owner..	Count Machines
ETG	80/20	Lease/..	9
Total			9

Showing the GMP ETG Parameter on the worksheet

Tableau - Slots Workbook

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Standard

Show Me

Data Analytics Pages

Columns Measure Names

Rows Game Type Fee Type Ownership

Occupancy

Game Type	Fee Type	Owner..	Count Machines	Days On Floor	Games Played	Occupancy	Avg Bet	Theo Win Do
ETG	80/20	Lease/..	9	2,403	292,310	6%	\$9.03	
Total			9	2,403	292,310	6%	\$9.03	
KENO	Owned	Owned	60	13,108	19,667,886	17%	\$0.97	
Total			60	13,108	19,667,886	17%	\$0.97	
POKER	Daily F..	Lease/..	23	8,793	13,272,503	10%	\$2.15	
	Owned	Owned	100	34,332	43,052,074	9%	\$1.42	
Total			123	43,125	56,324,577	9%	\$1.59	
REEL	80/20	Lease/..	3	1,188	573,329	6%	\$1.72	
	Owned	Owned	7	2,698	2,155,397	9%	\$0.80	
	WAP	Lease/..	6	2,376	2,459,389	12%	\$1.17	
Total			16	6,262	5,188,115	10%	\$1.08	
VIDEO	80/20	Lease/..	166	24,126	26,329,896	13%	\$1.21	
	Owned	Owned	54	18,464	30,207,833	19%	\$0.79	
	WAP	Lease/..	6	2,166	2,041,491	11%	\$1.57	
Total			223	44,756	58,579,220	15%	\$1.01	
Grand Total			431	109,654	140,052,108	15%	\$1.26	

Filters Measure Names

Marks Automatic

Add to Sheet

- Show Parameter
- Cut
- Copy
- Edit...
- Duplicate
- Rename
- Hide
- Delete
- Create
- Default Properties
- Folders
- Replace References...
- Describe...

Parameters

- Active As Of
- Actual Win % +/-
- GMP ETG**
- GMP Poker
- Select Map Color
- Select Map Type

GMP Poker: 10

GMP ETG: 1.5

Occupancy calculation modified to reference GMP ETG parameter

Slots ✕

```
IF MAX([Game Type]) = "POKER"  
THEN SUM([Games Played]) / (SUM([Days On Floor]) * ([GPM Poker]*60*24))  
  
ELSEIF MAX([Game Type]) = "ETG"  
THEN SUM([Games Played]) / (SUM([Days On Floor]) * ([GPM ETG]*60*24))  
  
ELSEIF MAX([Game Type]) = "KENO"  
THEN SUM([Games Played]) / (SUM([Days On Floor]) * (5*60*24))  
  
ELSE SUM([Games Played]) / (SUM([Days On Floor]) * (6*60*24))  
END
```

The calculation is valid. 24 Dependencies ▾

You will need to repeat the above for the game type KENO and for all other

Day 2 Help

E Date as Filter changed from Exact Date to Month (with Year) and Showing the filter

The screenshot shows the Tableau interface with the 'E Date' filter menu open. The menu options include 'Show Filter', 'Clear Filter', 'Add to Context', 'Apply to Worksheets', 'Create Set...', 'Standard Gregorian', 'ISO-8601 Week-Based', 'Year', 'Quarter', 'Month', 'Day', 'More', 'Exact Date', 'Attribute', 'Measure', 'Discrete', 'Continuous', and 'Remove'. The 'Month' option is selected, and the 'Show Filter' option is highlighted. A purple arrow points from the 'Show Filter' option to the 'MONTH(E Date)' filter in the Filters shelf. Another purple arrow points from the 'MONTH(E Date)' filter to the 'MONTH(E Date)' filter in the Columns shelf. The data table below shows the results of the filter.

	Count Machines	Days On Floor	% of Total Days On Floor along Table (Down)	Net Theo	Net Actual	Utilization table calc Selectable along Table (Down)	Optimal Change table calc along Table (Down)
AGS	14	1,584	1.44%	96,376	97,843	-0.14%	-1
AIN	5	792	0.72%	71,852	65,413	0.25%	1
ARI	38	13,346	12.17%	2,102,702	2,117,447	16.25%	70
ARU	14	1,192	1.09%	67,422	53,199	-0.18%	-1
EVE	18	2,159	1.97%	220,478	206,543	1.01%	4
IGT	255	74,743	68.16%	3,834,436	5,442,002	-16.33%	-70
INC	8	792	0.72%	57,720	55,835	0.06%	0
INT	9	2,403	2.19%	70,063	92,148	-1.24%	-5
KON	24	3,490	3.18%	263,876	249,798	0.38%	2
SCI	46	9,153	8.35%	612,928	606,377	-0.06%	0
Grand To..	431	109,654	100.00%	7,397,853	8,986,605	0.00%	0

MFR and Ownership added as Filters

Tableau - Slots Workbook

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Fit Width Show Me

Data Analytics

SlotCoordinates
Slots

owner x

Folders

- CalcDims
 - Ownership

Parameters

No matches

Pages

Filters

- Measure Names
- MONTH(E Date)
- MFR
- Ownership

Marks

Automatic

Color Size Text

Detail Tooltip

Measure Values

- AGG(Count Machines)
- SUM(Days On Floor)
- SUM(Days On Floor)
- AGG(Net Theo)
- AGG(Net Actual)
- Utilization table calc Selectable
- Optimal Change table calc

Columns

Measure Names

Rows

Slot Machine Dimens...

FloorMix

	Count Machines	Days On Floor	% of Total Days On Floor along Table (Down)	Net Theo	Net Actual	Utilization table calc Selectable along Table (Down)	Optimal Change table calc along Table (Down)
AGS	14	1,584	1.44%	96,376	97,843	-0.14%	-1
AIN	5	792	0.72%	71,852	65,413	0.25%	1
ARI	38	13,346	12.17%	2,102,702	2,117,447	16.25%	70
ARU	14	1,192	1.09%	67,422	53,199	-0.18%	-1
EVE	18	2,159	1.97%	220,478	206,543	1.01%	4
IGT	255	74,743	68.16%	3,834,436	5,442,002	-16.33%	-70
INC	8	792	0.72%	57,720	55,835	0.06%	0
INT	9	2,403	2.19%	70,063	92,148	-1.24%	-5
KON	24	3,490	3.18%	263,876	249,798	0.38%	2
SCI	46	9,153	8.35%	612,928	606,377	-0.06%	0
Grand To..	431	109,654	100.00%	7,397,853	8,986,605	0.00%	0

Ownership

- (All)
- Lease/Premium
- Owned

MFR

- (All)
- AGS
- AINSWORTH
- ARISTOCRAT
- ARUZE
- EVERI
- IGT
- INC TECH
- INTERBLOCK
- KONAMI
- SCI GM

MONTH(E Date)

January 2019 January 2020

Select Slot Machine Di...

MFR

Change **Net Theo** on the Measure Values shelf to Percent of Total (do the same for **Net Actual**)

The screenshot shows the Tableau interface with a table of slot machine data. The table has columns for various metrics including Count Machines, Days On Floor, % of Total Days On Floor along Table (Down), Net Theo, Net Actual, Utilization table calc along Table (Down), and Optimal Change table calc along Table (Down). The 'AGG(Net Theo)' measure is selected, and a context menu is open, showing options like 'Quick Table Calculation' and 'Total using (Automatic)'. The 'Percent of Total' option is highlighted.

	Count Machines	Days On Floor	% of Total Days On Floor along Table (Down)	Net Theo	Net Actual	Utilization table calc along Table (Down)	Optimal Change table calc along Table (Down)
AGS	14	1,584	1.44%	96,376	97,843	-0.14%	-1
AIN	5	792	0.72%	71,852	65,413	0.25%	1
ARI	38	13,346	12.17%	2,102,702	2,117,447	16.25%	70
ARU	14	1,192	1.09%	67,422	53,199	-0.18%	-1
EVE	18	2,159	1.97%	220,478	206,543	1.01%	4
IGT	255	74,743	68.16%	3,834,436	5,442,002	-16.33%	-70
INC	8	792	0.72%	57,720	55,835	0.06%	0
INT	9	2,403	2.19%	70,063	92,148	-1.24%	-5
KON	24	3,490	3.18%	263,876	249,798	0.38%	2
SCI	46	9,153	8.35%	612,928	606,377	-0.06%	0
Grand To..	431	109,654	100.00%	7,397,853	8,986,605	0.00%	0

Floor Mix / Utilization table calc Actual

Folders

- > CalcDims
- > CalcMeasures
- > DeleteMe
- ▼ FloorMix
 - =# Optimal Change table calc
 - =# Utilization table calc Actual
 - =# Utilization table calc Selectable
 - =# Utilization table calc Theo
- > MixLOD
 - Abc Bank
 - Abc Cabinet Model
 - Abc Denom
 - Abc Description
 - E Date
 - E Date Set
 - Abc Fee Type
 - Abc Gametype
 - Abc Location
 - Abc MFR
 - # Mnum
 - Abc Multi Denom
 - S Date
 - Abc Section

Parameters

- ☐ Active As Of
- # Actual Win % +/-
- # GPM Poker
- Abc Select Map Color
- # Select Map Type
- Abc Select Slot Machine Dimension
- Abc Select Win View

Dimensions

- MONTH(E Date)
- MFR
- Ownership

Marks

Automatic

Color Size

Detail Tooltip

Measure Values

- AGG(Count Machines)
- SUM(Days On Floor)
- SUM(Days On Floor)
- AGG(Net Theo)
- AGG(Net Actual)
- Utilization table calc Selectable
- Optimal Change table calc

	Count Machines	Days On Floor	% of Total Days On Floor along Table (Down)	% of Total Net Theo along Table (Down)	% of Total Net Actual along Table (Down)	Utilization table calc Selectable along Table (Down)
AGS	14	1,584	1.44%	1.30%	1.09%	-0.14%
AIN	5	792	0.72%	0.97%	0.73%	0.25%
ADI	28	12,316	12.17%	28.12%	22.56%	16.25%

Utilization table calc Actual

Totals summarize values from Table (across).

```

([Net Actual] / TOTAL([Net Actual]))
- (SUM([Days On Floor]) / TOTAL(SUM([Days On Floor])))
    
```

The calculation is valid.

Default Table Calculation

Apply OK

Showing the Select Win View parameter

Tableau - Slots Workbook

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Fit Width Show Me

Data Analytics Pages

SlotCoordinates
Slots

Search

Folders

- CalcDims
- CalcMeasures
- DeleteMe
- FloorMix
- MixLOD

Optimal Change table calc
Utilization table calc Actual
Utilization table calc Selectable
Utilization table calc Theo

Bank
Cabinet Model
Denom
Description
E Date
E Date Set
Fee Type
Gametype
Location
MFR
Mnum
Multi Denom
S Date
Section

Parameters

- Active As Of
- Actual Win % +/-
- GPM Poker
- Select Map Color
- Select Map Type
- Select Slot Machine Dimension
- Select Win View

Columns: Measure Names

Rows: Slot Machine Dimens..

FloorMix

	Count Machines	Days On Floor	% of Total Days On Floor along Table (Down)	% of Total Net Theo along Table (Down)	% of Total Net Actual along Table (Down)	Utilization table calc Selectable along Table (Down)	Optimal Change table calc along Table (Down)
AGS	14	1,584	1.44%	1.30%	1.09%	-0.14%	-1
AIN	5	792	0.72%	0.97%	0.73%	0.25%	1
ARI	38	13,346	12.17%	28.42%	23.56%	16.25%	70
ARU	14	1,192	1.09%	0.91%	0.59%	-0.18%	-1
EVE	18	2,159	1.97%	2.98%	2.30%	1.01%	4
IGT	255	74,743	68.16%	51.83%	60.56%	-16.33%	-70
INC	8	792	0.72%	0.78%	0.62%	0.06%	0
INT	9	2,403	2.19%	0.95%	1.03%	-1.24%	-5
KON	24	3,490	3.18%	3.57%	2.78%	0.38%	2
SCI	46	9,153	8.35%	8.29%	6.75%	-0.06%	0
Grand To..	431	109,654	100.00%	100.00%	100.00%	0.00%	0

Ownership

- (All)
- Lease/Premium
- Owned

MFR

- (All)
- AGS
- AINSWORTH
- ARISTOCRAT
- ARUZE
- EVERI
- IGT
- INC TECH
- INTERBLOCK
- KONAMI
- SCI GM

MONTH(E Date)

January 2019 January 2020

Select Slot Machine Di...

MFR

Select Win View

Theoretical

Measure Values

- Add to Sheet
- Show Parameter
- Cut
- Copy
- Edit...
- Duplicate
- Rename
- Hide
- Delete
- Create
- Default Properties
- Folders
- Replace References...
- Describe...

Day1 Heir-Params Machines Trend_AT Dashboard1 FloorMix TableCalc LOD1 Ord_Ops LOD2 LOD3 BarSegment BarMnum BarCabinets LODFloorMix LODconversion Break3 MnumMap BankMap

Utilization table calc Selectable modified with CASE statement to reference the value in **Select Win View** parameter

The screenshot shows a data visualization tool interface. On the left, there is a 'Data' pane with a tree view showing folders like 'CalcDims', 'CalcMeasures', 'DeleteMe', and 'FloorMix'. Under 'FloorMix', several measures are listed, including 'Utilization table calc Selectable' which is highlighted in green. Below this is a 'Parameters' section with various settings.

The main area displays a table titled 'FloorMix'. The columns are: 'Count Machines', 'Days On Floor', '% of Total Days On Floor along Table (Down)', '% of Total Net Theo along Table (Down)', and '% of Total Actual al Table (Do'. The first row of data is for 'AGS', with values: 14, 1,584, 1.44%, 1.30%, and 1.0.

A dialog box is open in the foreground, titled 'Utilization table calc Selectable'. It contains a CASE statement:

```

CASE [Select Win View]
WHEN "Theoretical" THEN [Utilization table calc Theo]
WHEN "Actual" THEN [Utilization table calc Actual]
END
    
```

At the bottom of the dialog, it says 'The calculation is valid.' and '2 Dependencies'. There are 'Apply' and 'OK' buttons.

At the bottom of the tool interface, there is a status bar showing '7 marks', '11 rows by 7 columns', and 'SUM of Measure Values: 110.088'.

Values change to zeros when parameter value is changed from "Theoretical" to "Actual"

Columns		Measure Names		Rows				Slot Machine Dimens..	
FloorMix									
	Count Machines	Days On Floor	% of Total Days On Floor along Table (Down)	% of Total Net Theo along Table (Down)	% of Total Net Actual along Table (Down)	Utilization table calc Selectable	Optimal Change table calc	Ownership	
								<input checked="" type="checkbox"/> (All)	
								<input checked="" type="checkbox"/> Lease/Premium	
								<input checked="" type="checkbox"/> Owned	
								MFR	
								<input checked="" type="checkbox"/> (All)	
								<input checked="" type="checkbox"/> AGS	
								<input checked="" type="checkbox"/> AINSWORTH	
								<input checked="" type="checkbox"/> ARISTOCRAT	
								<input checked="" type="checkbox"/> ARUZE	
								<input checked="" type="checkbox"/> EVERI	
								<input checked="" type="checkbox"/> IGT	
								<input checked="" type="checkbox"/> INC TECH	
								<input checked="" type="checkbox"/> INTERBLOCK	
								<input checked="" type="checkbox"/> KONAMI	
								<input checked="" type="checkbox"/> SCI GM	
								MONTH(E Date)	
								January 2019 January 2020	
								Select Slot Machine Di...	
								MFR	
								Select Win View	
								Actual	
AGS	14	1,584	1.44%	1.30%	1.09%	0.00%	0		
AIN	5	792	0.72%	0.97%	0.73%	0.00%	0		
ARI	38	13,346	12.17%	28.42%	23.56%	0.00%	0		
ARU	14	1,192	1.09%	0.91%	0.59%	0.00%	0		
EVE	18	2,159	1.97%	2.98%	2.30%	0.00%	0		
IGT	255	74,743	68.16%	51.83%	60.56%	0.00%	0		
INC	8	792	0.72%	0.78%	0.62%	0.00%	0		
INT	9	2,403	2.19%	0.95%	1.03%	0.00%	0		
KON	24	3,490	3.18%	3.57%	2.78%	0.00%	0		
SCI	46	9,153	8.35%	8.29%	6.75%	0.00%	0		
Grand To..	431	109,654	100.00%	100.00%	100.00%	0.00%	0		

Remove both Optimal Change table calc and Utilization table calc Selectable from the Measure Values shelf

The screenshot shows a Tableau dashboard with a table titled 'FloorMix'. The table has six columns: 'Count Machines', 'Days On Floor', '% of Total Days On Floor along Table (Down)', '% of Total Net Theo along Table (Down)', and '% of Total Net Actual along Table (Down)'. The rows list various categories like AGS, AIN, ARI, ARU, EVE, IGT, INC, INT, KON, SCI, and a 'Grand To..' row.

On the left, the 'Measure Values' shelf contains several measures: 'AGG(Count Machines)', 'SUM(Days On Floor)', 'AGG(Net Theo)', 'AGG(Net Actual)', and 'Utilization table calc Selectable'. A context menu is open over the last measure, with the 'Remove' option highlighted in blue.

	Count Machines	Days On Floor	% of Total Days On Floor along Table (Down)	% of Total Net Theo along Table (Down)	% of Total Net Actual along Table (Down)
AGS	14	1,584	1.44%	1.30%	1.09%
AIN	5	792	0.72%	0.97%	0.73%
ARI	38	13,346	12.17%	28.42%	23.56%
ARU	14	1,192	1.09%	0.91%	0.59%
EVE	18	2,159	1.97%	2.98%	2.30%
IGT	255	74,743	68.16%	51.83%	60.56%
INC	8	792	0.72%	0.78%	0.62%
INT	9	2,403	2.19%	0.95%	1.03%
KON	24	3,490	3.18%	3.57%	2.78%
SCI	46	9,153	8.35%	8.29%	6.75%
Grand To..	431	109,654	100.00%	100.00%	100.00%

Drag both back to the Measure Values shelf. You should see values now (this is a Tableau table calculation quirk)

The screenshot shows the Tableau interface with a table calculation. The 'Measure Values' shelf contains the following measures:

- AGG(Count Machines)
- SUM(Days On Floor)
- SUM(Days On Floor)
- AGG(Net Theo)
- AGG(Net Actual)
- Utilization table calc Selectable
- Optimal Change table calc

Two purple arrows point from the 'Optimal Change table calc' and 'Utilization table calc Selectable' measures in the shelf to the corresponding columns in the table below.

	Count Machines	Days On Floor	% of Total Days On Floor along Table (Down)	% of Total Net Theo along Table (Down)	% of Total Net Actual along Table (Down)	Utilization table calc Selectable along Table (Down)	Optimal Change table calc along Table (Down)
AGS	14	1,584	1.44%	1.30%	1.09%	-0.36%	-2
AIN	5	792	0.72%	0.97%	0.73%	0.01%	0
ARI	38	13,346	12.17%	28.42%	23.56%	11.39%	49
ARU	14	1,192	1.09%	0.91%	0.59%	-0.50%	-2
EVE	18	2,159	1.97%	2.98%	2.30%	0.33%	1
IGT	255	74,743	68.16%	51.83%	60.56%	-7.61%	-33
INC	8	792	0.72%	0.78%	0.62%	-0.10%	0
INT	9	2,403	2.19%	0.95%	1.03%	-1.17%	-5
KON	24	3,490	3.18%	3.57%	2.78%	-0.40%	-2
SCI	46	9,153	8.35%	8.29%	6.75%	-1.60%	-7
Grand To..	431	109,654	100.00%	100.00%	100.00%	0.00%	0

The right-hand side of the interface shows filters for Ownership, MFR, and MONTH(E Date), along with a date range selector and dropdown menus for 'Select Slot Machine Di...' and 'Select Win View'.

Worksheet colored by Optimal Change table calc

Change Marks from Automatic to Square

Drag Optimal Change Table calc to Color (feel free to edit the Color pallet from the Default)

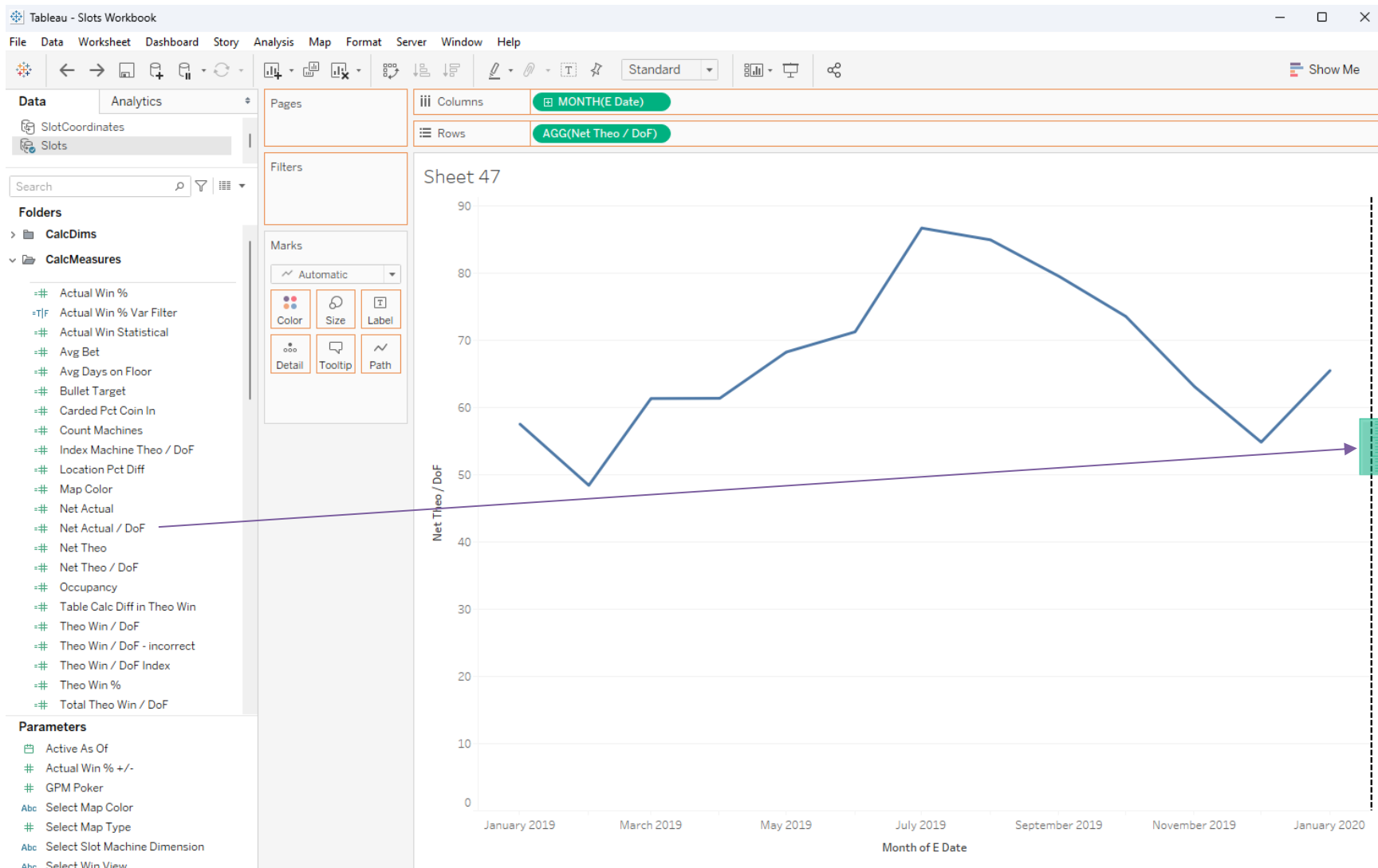
The screenshot displays a Tableau dashboard with the following components:

- Data Source:** SlotCoordinates, Slots
- Columns:** Measure Names
- Rows:** Slot Machine Dimens..
- Filters:** Measure Names, MONTH(E Date), MFR, Ownership
- Marks:** Square, Color, Size, Label, Detail, Tooltip
- Measure Values:** AGG(Count Machines), SUM(Days On Floor), SUM(Days On Floor), AGG(Net Theo), AGG(Net Actual), Utilization table calc Selectable, Optimal Change table calc

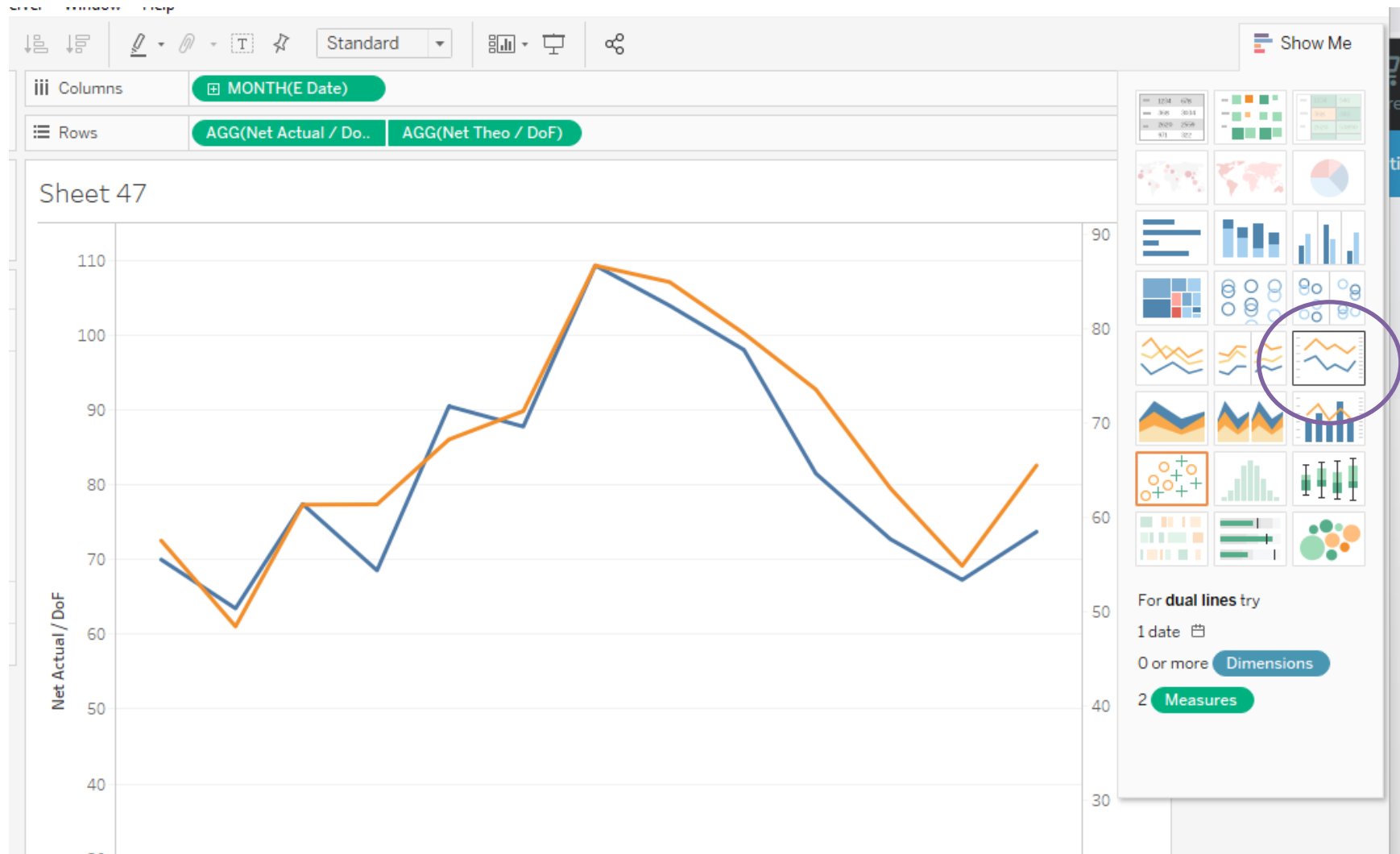
The table data is as follows:

	Count Machines	Days On Floor	% of Total Days On Floor along Table (Down)	% of Total Net Theo along Table (Down)	% of Total Net Actual along Table (Down)	Utilization table calc Selectable along Table (Down)	Optimal Change table calc along Table (Down)
AGS	14	1,584	1.44%	1.30%	1.09%	-0.36%	-2
AIN	5	792	0.72%	0.97%	0.73%	0.01%	0
ARI	38	13,346	12.17%	28.42%	23.56%	11.39%	49
ARU	14	1,192	1.09%	0.91%	0.59%	-0.50%	-2
EVE	18	2,159	1.97%	2.98%	2.30%	0.33%	1
IGT	255	74,743	68.16%	51.83%	60.56%	-7.61%	-33
INC	8	792	0.72%	0.78%	0.62%	-0.10%	0
INT	9	2,403	2.19%	0.95%	1.03%	-1.17%	-5
KON	24	3,490	3.18%	3.57%	2.78%	-0.40%	-2
SCI	46	9,153	8.35%	8.29%	6.75%	-1.60%	-7
Grand To..	431	109,654	100.00%	100.00%	100.00%	0.00%	0

Shortcut for single axis line chart: Drag Net Actual /DoF to the far right edge of the chart until you see a vertical dashed line.



Or drag both measures to the Rows shelf and use Show Me to select single axis line chart:



Break 3 Help

Avg Bet Index calculation:

Avg Bet Index  ×

`[Avg Bet] / MAX({ FIXED : [Avg Bet] })`



The calculation is valid.

5 Dependencies ▾

Occupancy Index calculation:

Occupancy Index  ×

`[Occupancy] / MAX({ FIXED : [Occupancy] })`



The calculation is valid.

5 Dependencies ▾

Worksheet with Avg Bet Index and Occupancy Index added to the Measure Values shelf:

Columns		Measure Names								
Rows		Ownership	Section	MFR						
Break3										
Ownership	Section	MFR	Theo Win / DoF	Avg Bet	Occupancy	Theo Win / DoF Index	Avg Bet Index	Occupancy Index		
Lease/Premium	1	IGT	133	\$1.21	11%	1.4	0.96	0.74		
		INC TECH	94	\$1.24	9%	1.0	0.99	0.60		
		KONAMI	125	\$1.41	10%	1.3	1.12	0.70		
		SCI GM	112	\$1.25	11%	1.1	1.00	0.74		
	2	ARISTOCRAT	247	\$1.20	24%	2.5	0.95	1.61		
		EVERI	201	\$1.11	22%	2.0	0.88	1.46		
		IGT	107	\$1.69	14%	1.1	1.34	0.94		
		SCI GM	41	\$0.83	6%	0.4	0.66	0.39		
	3	AINSWORTH	116	\$1.23	11%	1.2	0.98	0.75		
		ARISTOCRAT	185	\$0.98	19%	1.9	0.78	1.32		
		ARUZE	70	\$1.20	7%	0.7	0.95	0.47		
		EVERI	106	\$1.01	12%	1.1	0.81	0.84		
	4	IGT	82	\$1.47	15%	0.8	1.17	0.99		
		KONAMI	115	\$1.14	12%	1.2	0.90	0.80		
		EVERI	80	\$1.36	7%	0.8	1.08	0.48		
		IGT	85	\$2.35	10%	0.9	1.87	0.68		
	5	INTERBLOCK	41	\$9.03	6%	0.4	7.17	0.38		
		KONAMI	45	\$1.67	4%	0.5	1.32	0.30		
		IGT	153	\$3.22	10%	1.6	2.56	0.65		
	Total			121	\$1.56	13%	1.2	1.24	0.86	
Owned	1	ARISTOCRAT	88	\$1.66	9%	0.9	1.32	0.62		
		IGT	31	\$0.32	12%	0.3	0.26	0.78		
		KONAMI	94	\$1.39	7%	1.0	1.11	0.50		
	2	ARISTOCRAT	275	\$0.80	41%	2.8	0.64	2.79		
		IGT	63	\$1.15	14%	0.6	0.92	0.92		
	3	ARISTOCRAT	96	\$0.99	10%	1.0	0.79	0.70		
		IGT	71	\$1.18	14%	0.7	0.94	0.92		
	4	SCI GM	71	\$0.68	11%	0.7	0.54	0.77		
		ARISTOCRAT	147	\$0.95	18%	1.5	0.75	1.23		
	5	IGT	77	\$1.35	10%	0.8	1.07	0.69		
		SCI GM	58	\$0.70	9%	0.6	0.55	0.60		
	Total			85	\$1.12	16%	0.9	0.89	1.09	
	Grand Total			99	\$1.26	15%	1.0	1.00	1.00	

Final Assignment: Floor Map Dashboard

Map Color measure

Map Color

```
CASE [Select Map Color]
WHEN "Avg Bet" THEN [Avg Bet Index]
WHEN "Occupancy" THEN [Occupancy Index]
WHEN "Theo Win / DoF" THEN [Theo Win / DoF Index]
END
```

The calculation is valid. 2 Dependencies Apply OK

Select Map Color parameter

Edit Parameter [Select Map Color]

Name: Select Map Color Comment >>

Properties

Data type: String

Current value: Occupancy

Value when workbook opens: Current value

Display format:

Allowable values: All List Range

List of values

Value	Display As
Avg Bet	Avg Bet
Occupancy	Occupancy
Theo Win / DoF	Theo Win / DoF
Add	

Fixed

Add values from

When workbook opens

None

Clear All

OK Cancel

Map Color scale (select any color palette you like)

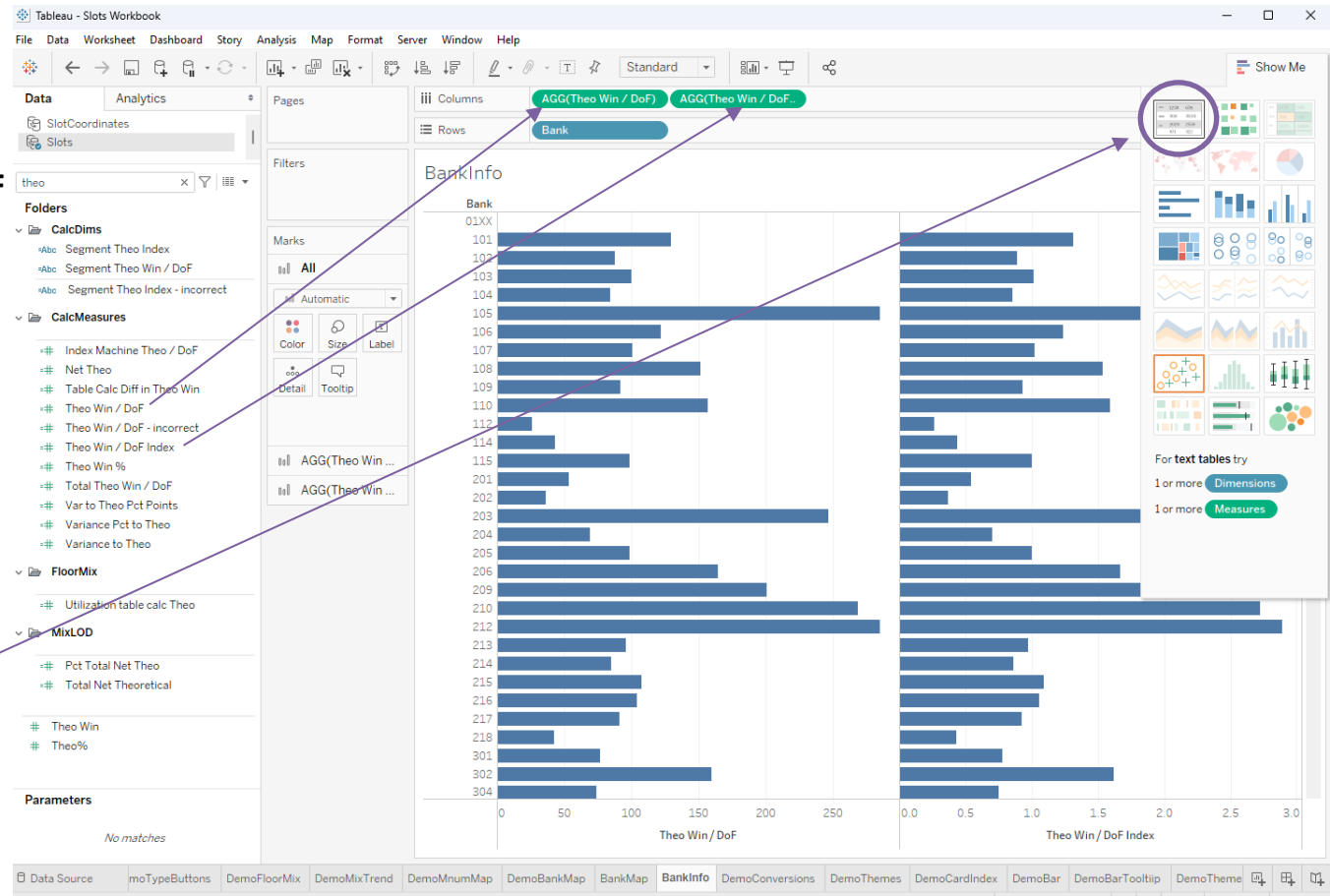
The image shows a software interface with a map color scale editor and a settings panel. The editor window, titled "Edit Colors [Map Color]", features a color palette dropdown set to "Red-Green Diverging". Below the palette is a horizontal color gradient bar with numerical markers at 0.000 and 3.000. The editor includes several checkboxes: "Stepped Color" (unchecked), "Reversed" (checked), "Use Full Color Range" (unchecked), and "Include Totals" (unchecked). There are also input fields for "Start:" (0), "End:" (3), and "Center:" (1.5), each with a checked checkbox. Buttons for "Reset", "OK", "Cancel", and "Apply" are at the bottom. The settings panel on the right includes a "Select Map Color" dropdown (Theo Win / DoF), a color gradient bar (0.000 to 3.000), a "Game Type" list (KENO, POKER, REEL, VIDEO), a "Select Map Type" dropdown (Machine), and a "Highlight" dropdown (MFR).

Creating the Bank Info worksheet

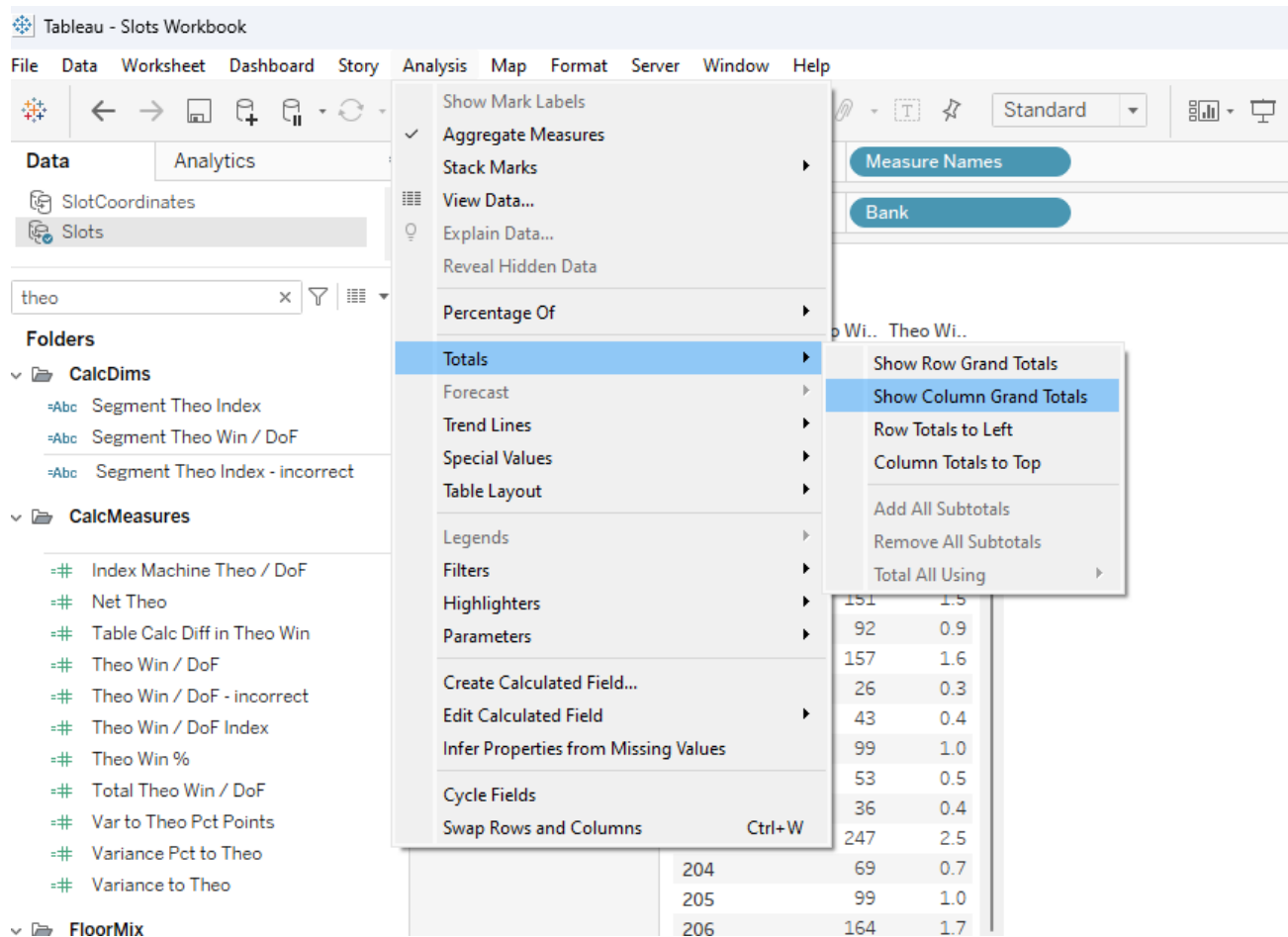
Start by dragging the **Bank** dimension to the Rows shelf

Then, drag **Theo Win / DoF** and **Theo Win / DoF Index** measures to the Columns shelf

Next, use the Show Me menu to select Text Table



Next, go to the Analysis top menu, select Totals, then select Show Column Grand Totals



From the CalcDims folder, drag Position and Game Theme to the Rows shelf

The screenshot shows the Tableau Desktop interface with the following configuration:

- Data Source:** Analytics
- Columns Shelf:** Measure Names
- Rows Shelf:** Bank, Position, Game Theme
- Marks Card:** Automatic
- Measure Values Shelf:** AGG(Theo Win / DoF), AGG(Theo Win / DoF Index)

The resulting table view is titled "BankInfo" and displays the following data:

Bank	Position	Game Theme	Theo Win / DoF	Theo Win / DoF Index
01XX	01	FORTUNE GONG DRAGON ..	0	0.0
	02	FORTUNE GONG DRAGON ..	0	0.0
	03	FORTUNE GONG PHOENI ..	0	0.0
	04	FORTUNE GONG PHOENI ..	0	0.0
101	00	QH PROG CASH WHEEL(S..	110	1.1
	03	QH PROG RICHES TRP BLA..	123	1.2
		UFL BY THE BAY 500C(SCI)	79	0.8
	04	QH PROG RICHES B/G WIL..	94	1.0
		UFL CHINA STREET 500C(..	63	0.6
	05	CELESTIAL KING 400C(SCI)	55	0.6
		QH PROG LAS VEGAS SUP..	102	1.0
	06	UFL GLACIER GOLD 500C(..	117	1.2
		GOLDEN CHARMS 400C(S..	43	0.4
	08	QH PROG DRAGON SUPER..	94	0.9
		UFL BY THE BAY 500C(SCI)	80	0.8
	09	REEL OF RICHES 3D 300C(..	248	2.5
ZUMA 3D 400C(IGT)		104	1.1	
10	DANCING DRUMS 880C(S..	237	2.4	
	DANCING DRUMS 880C(S..	203	2.1	
12	DOUBLE BLESSINGS 880C..	119	1.2	
	QH PROG ULTRA MONKEY..	60	0.6	
13	QH PROG ULTRA SUN DRA..	110	1.1	
102	01	ENCHANTED PEARL 880C(..	54	0.5
		FU NAN FU NU 880C(AGS)	75	0.8
		HEARTS AND HORNS 500..	42	0.4
02	BONANZA BLAST 880C(A..	102	1.0	
	ENCHANTED PEARL 880Cf..	29	0.3	

Change the Marks type from Automatic to Square

The screenshot shows the Tableau interface with the following configuration:

- Columns:** Measure Names
- Rows:** Bank, Position, Game Theme
- Filters:** Measure Names
- Marks:** Square (highlighted with a purple circle)
- Measure Values:** AGG(Theo Win / DoF), AGG(Theo Win / DoF)

Bank	Position	Game Theme	Theo Win / DoF	Theo Win / DoF Index
01XX	01	FORTUNE GONG DRAGON ..	0	0.0
	02	FORTUNE GONG DRAGON ..	0	0.0
	03	FORTUNE GONG PHOENI ..	0	0.0
	04	FORTUNE GONG PHOENI ..	0	0.0
101	00	QH PROG CASH WHEEL(S..	110	1.1
	03	QH PROG RICHES TRP BLA..	123	1.2
	04	QH PROG RICHES B/G WIL..	94	1.0
	05	UFL CHINA STREET 500C(..	63	0.6
	06	CELESTIAL KING 400C(SCI)	55	0.6
		QH PROG LAS VEGAS SUP..	102	1.0
		UFL GLACIER GOLD 500C(..	117	1.2
	06	GOLDEN CHARMS 400C(S..	43	0.4
		QH PROG DRAGON SUPER..	94	0.9
		UFL BY THE BAY 500C(SCI)	80	0.8
	08	REEL OF RICHES 3D 300C(..	248	2.5

Drag **Map Color** (from the Calc Measures folder) into the Color box on the Marks shelf and edit the colors to match the slot machine number map

The screenshot shows the Tableau interface with the following configuration:

- Columns:** Measure Names
- Rows:** Bank, Position, Game Theme
- Filters:** Measure Names
- Marks:** Square
- Color:** AGG(Map Color)
- Measure Values:** AGG(Theo Win / DoF), AGG(Theo Win / DoF)

The 'Edit Colors [Map Color]' dialog box is open, showing the following settings:

- Palette:** Red-Green-White Diverging
- Color Range:** 0.000 to 3.000
- Stepped Color:** 5 Steps
- Reversed:**
- Use Full Color Range:**
- Include Totals:**
- Start:** 0
- End:** 3
- Center:** 1

Bank	Position	Game Theme	Theo Win / DoF	Theo Win / DoF Index
01XX	01	FORTUNE GONG DRAGON ..	0	0.0
	02	FORTUNE GONG DRAGON ..	0	0.0
	03	FORTUNE GONG PHOENI ..	0	0.0
	04	FORTUNE GONG PHOENI ..	0	0.0
101	00	QH PROG CASH WHEEL(S..	110	1.1
	03	QH PROG RICHES TRP BLA..	123	1.2
	04	QH PROG RICHES B/G WIL..	94	1.0
	05	UFL CHINA STREET 500C(..	63	0.6
		CELESTIAL KING 400C(SCI)	55	0.6
		QH PROG LAS VEGAS SUP..	102	1.0
		UFL GLACIER GOLD 500C(..	117	1.2
	06	GOLDEN CHARMS 400C(S..	43	0.4
		QH PROG DRAGON SUPER..	94	0.9
		UFL BY THE BAY 500C(SCI)	80	0.8
	08	REEL OF RICHES 3D 300C(..	248	2.5
		ZUMA 3D 400C(IGT)	104	1.1
	09	DANCING DRUMS 880C(S..	237	2.4
	10	DANCING DRUMS 880C(S..	203	2.1

On the Map Toggle Dashboard, drag the BankInfo worksheet you just created to land between the map and the filters/legends container. You may need to do some resizing to fit everything nicely. Also, you can use the Fit Width option to fit your Bank Info worksheet

The screenshot shows a software interface with a dashboard on the left, a central map, and a data table on the right. The dashboard includes sections for 'Default', 'Size', 'Sheets', and 'Objects'. The central map, titled 'BankMap', displays various data points represented by colored shapes (circles, squares, etc.) with alphanumeric labels. The data table, titled 'BankInfo', lists bank information including position, game theme, and win/loss ratios. A purple arrow points to the 'Fit Width' button in the top toolbar.

Bank	Position	Game Theme	Theo Win / DoF	Theo Win / DoF Index
101	00	QH PROG CASH WHEEL(SCI)	110	1.0
	03	UFL BY THE BAY 500C(SCI)	79	0.7
	04	UFL CHINA STREET 500C(SCI)	63	0.6
	05	UFL GLACIER GOLD 500C(SCI)	117	1.1
	06	UFL BY THE BAY 500C(SCI)	80	0.7
	102	01	HEARTS AND HORNS 500C(AGS)	42
103	02	HEARTS AND HORNS 500C(AGS)	23	0.2
	03	CRYSTAL MAGIC 500C(AGS)	24	0.2
	04	CRYSTAL MAGIC 500C(AGS)	22	0.2
	01	DANCING DRUMS 880C(SCI)	150	1.4
	02	DANCING DRUMS 880C(SCI)	93	0.9
104	03	DANCING DRUMS 880C(SCI)	133	1.2
	04	DANCING DRUMS 880C(SCI)	120	1.1
	05	REEL OF RICHES 3D 300C(IGT)	143	1.3
	01	88 FORTUNE STEPPER 880C(SCI)	101	0.9
	02	88 FORTUNE STEPPER 880C(SCI)	89	0.8
105	03	OMNI GEMS 300C(INC)	57	0.5
	04	LORD OF THE ABYSS 300C(INC)	79	0.7
106	00	BUFFALO GRAND WAP(ARI)	495	4.6
	01	WIZARDAN WAP(ARI)	332	3.1

Add the dashboard action to filter the Bank Info

The screenshot shows the Tableau interface with the 'Add Filter Action' dialog box open. The dialog is configured as follows:

- Name:** Filter4
- Source Sheets:** MapToggle (selected).
 - BankInfo
 - BankMap
 - MnumMap
- Run action on:** Hover (selected). Other options: Select, Menu. Single-select only.
- Target Sheets:** MapToggle (selected).
 - BankInfo
 - BankMap
 - MnumMap
- Clearing the selection will:** Keep filtered values. Other options: Show all values, Exclude all values.
- Target Filters:** Selected Fields. All Fields.

Source Field	Target Field	Target Data Source
Bank	Bank	Slots

Buttons: Add Filter..., Edit..., Remove, OK, Cancel.