

Tableau for Slot Performance Analysis

Assignments Help v. 2

William Dunn - Instructor



Contents

Exercises 1	2
Section 1 Assignments Help.....	6
Exercises 2A Help.....	11
Exercises 2B Help.....	14
Section 2 Assignments Help.....	15
Exercises 3 Help	25
Section 3 Assignments Help.....	31

Exercises 1

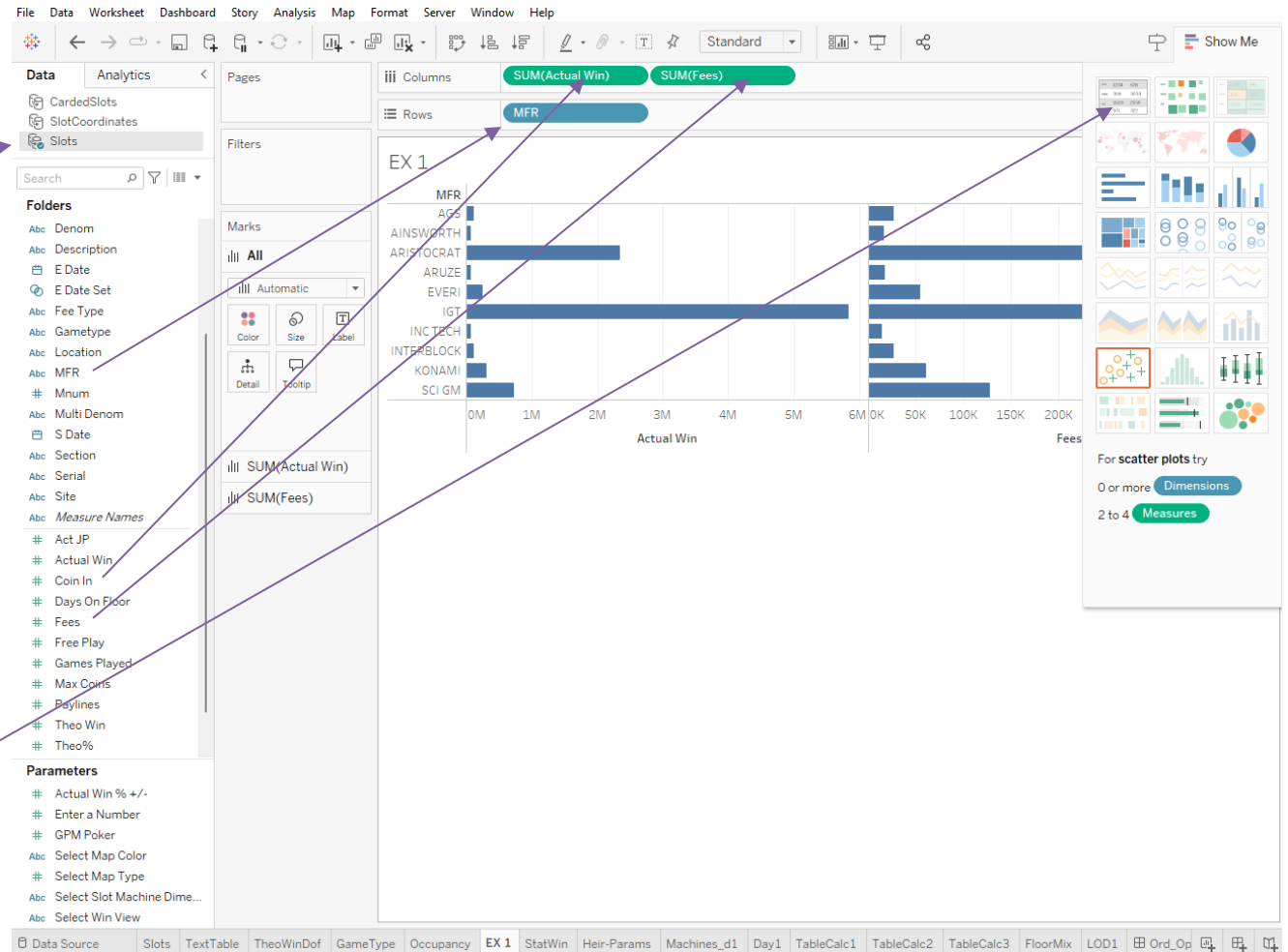
1. Go to the **Break1** worksheet;
use **Slots** as the data source

2. Drag **MFR** to the Rows shelf

3. Drag **Actual Win** to the
Columns shelf

4. Drag **Fees** 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 Desktop interface. The 'Analysis' menu is open, and the 'Totals' option is selected. A sub-menu is displayed, showing 'Show Column Grand Totals' checked. The background shows a data table with columns like Denom, Description, Date, Fee Type, Gametype, Location, MFR, Mnum, Multi Denom, S Date, Section, Serial, Site, and Measure Names.

Analysis Menu Options:

- Show Mark Labels
- Aggregate Measures
- Stack Marks
- View Data...
- Explain Data Settings...
- Reveal Hidden Data
- Percentage Of
- Totals**
 - Show Row Grand Totals
 - Show Column Grand Totals**
 - Row Totals to Left
 - Column Totals to Top
 - Add All Subtotals
 - Remove All Subtotals
 - Total All Using
- Forecast
- Trend Lines
- Special Values
- Table Layout
- Legends
- Filters
- Highlighters
- Parameters
- Create Calculated Field...
- Edit Calculated Field
- Infer Properties from Missing Values
- Cycle Fields
- Swap Rows and Columns (Ctrl+W)

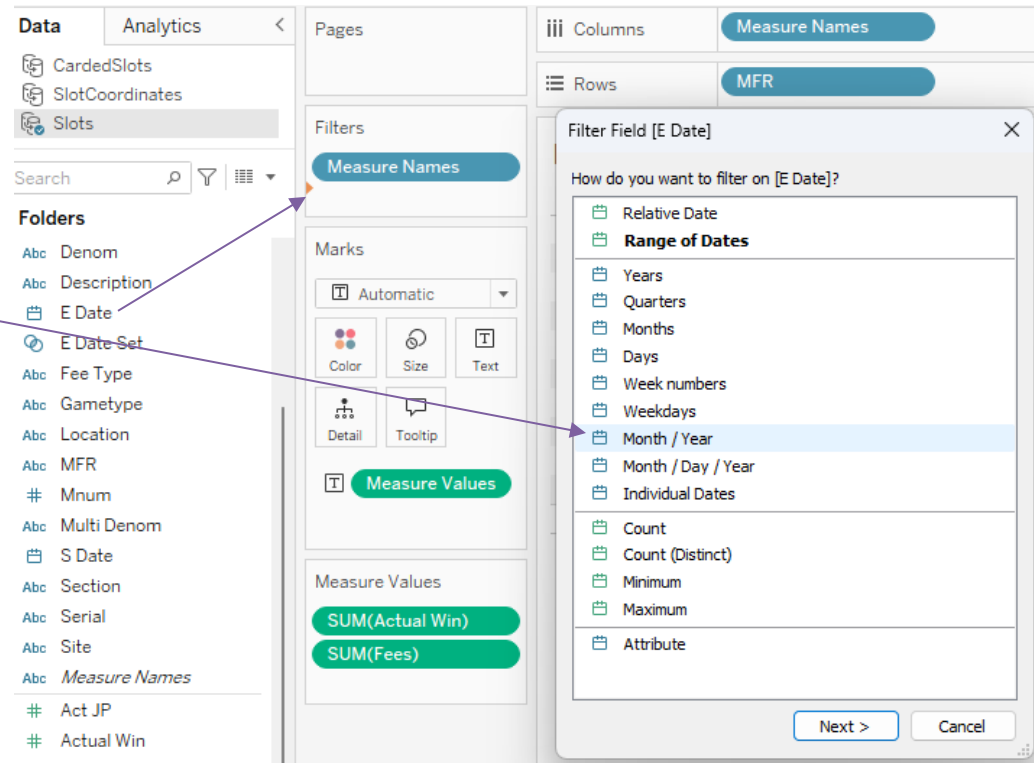
Data Table Columns:

- Denom
- Description
- E Date
- E Date Set
- Fee Type
- Gametype
- Location
- MFR
- Mnum
- Multi Denom
- S Date
- Section
- Serial
- Site
- Measure Names

7. Add **E Date** as a Filter

8. Select Month (with Year)
and “Use All” from the next
dialog box

9. Show the filter from the drop
down on the capsule then filter
the data to only January 2020



10. Compute Net Actual Win / DoF

Slots

Search

Folders

- Abc Denom
- Abc Description
- E Date
- E Date Set
- Abc Fee Type
- Abc Gametype
- Abc Location
- Abc MFR
- # Mnum
- Abc Multi Denom
- E S Date
- Abc Section
- Abc Serial
- Abc Site
- Abc Measure Names
- # Act JP
- # Actual Win
- # Coin In
- # Days On Floor
- # Fees
- # Free Play
- # Games Played
- # Max Coins
- # Net Actual Win / DoF
- # Paylines

Filters

Measure Names

MY(E Date): January..

Marks

Add to Sheet

Show Filter

Duplicate

Rename

Hide

Create

Transform

Convert to Discrete

Convert to Dimension

Change Data Type

Default Properties

Geographic Role

Group by

Folders

Replace References...

Describe...

EX 1

MFR	Actual Win	Fees	Net Actual Win / DoF
AGS	5,453	1,091	35
AINSWORTH	3,324	677	43
ARISTOCRAT	191,949	16,948	153
ARUZE	4,620	2,521	11
EVERI	27,766	5,897	71
IGT	407,261	28,725	70
INC TECH	3,240	648	42
KONAMI	13,854	3,427	23
SCI GM	43,821	8,721	44
Grand Total	701,289	68,654	74

Net Actual Win / DoF

Slots

$SUM([Actual Win] - [Fees]) / SUM([Days On Floor])$

The calculation is valid.

11. Convert Max Coins and Paylines to Dimensions

Section 1 Assignments Help

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

Occupancy

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 ▾

Apply

OK

3. "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

4. MFR-Cabinet combines the two dimensions

MFR-Cabinet

Slots

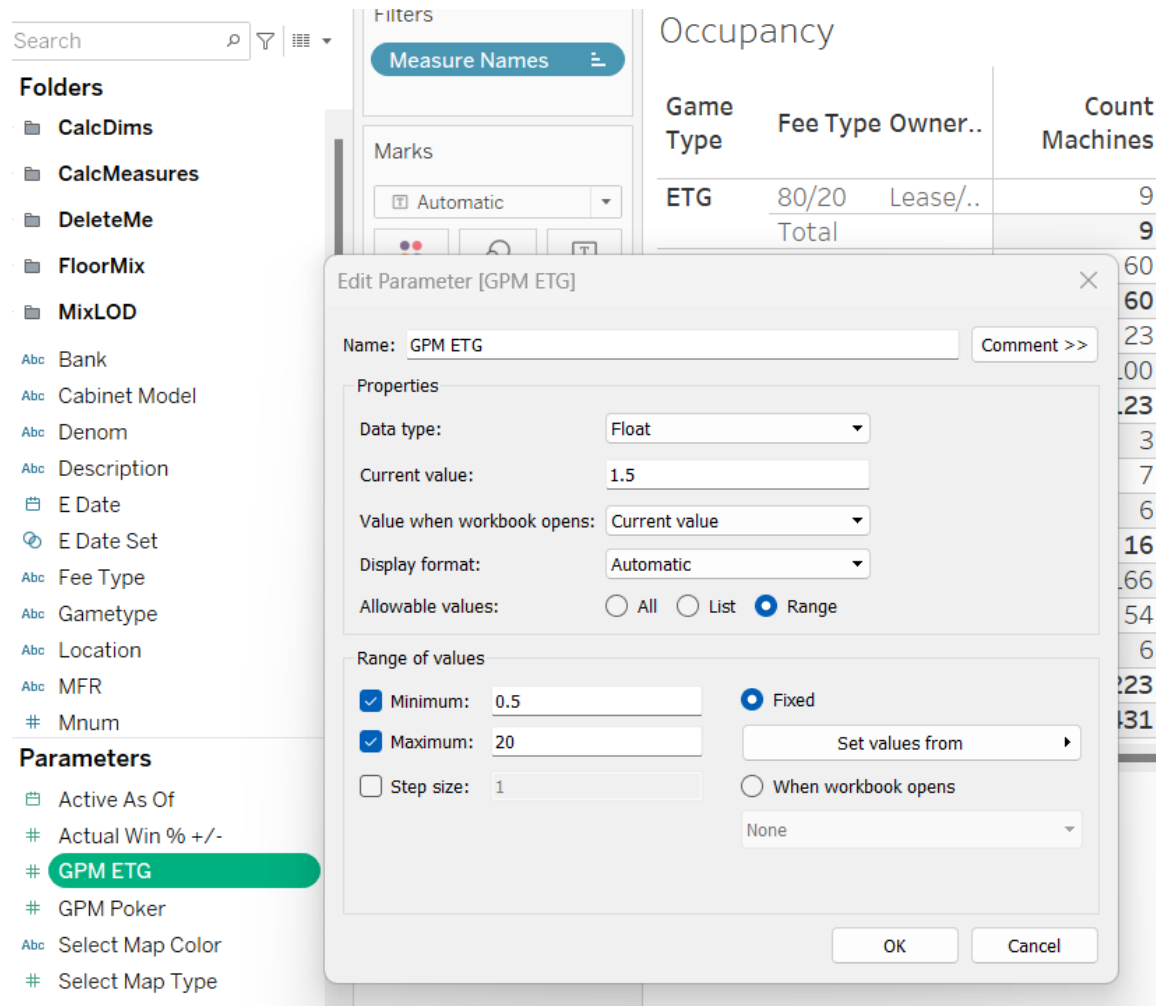
```
[MFR] + " " + [Cabinet]  
  
//or [MFR] + " " + [Cabinet Model]
```

The calculation is valid.

Apply

OK

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



The screenshot shows the 'Edit Parameter [GPM ETG]' dialog box. The left sidebar lists folders and parameters, with 'GPM ETG' highlighted. The dialog box contains the following fields and options:

- Name:** GPM ETG
- Comment >>**
- 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 menu]

Buttons at the bottom: OK, Cancel.

6. 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

Filters Measure Names

Marks Automatic

Color Size Text

Add to Sheet

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

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	

GPM Poker

10

GPM ETG

1.5

7. Occupancy calculation modified to reference PGM Poker and GMP ETG parameters

Occupancy

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 ▾

Apply

OK

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

Exercises 2A Help

1. Add quick table calculations from the Measure Values shelf

Filters

Measure Names

Marks

Automatic

Color Size Text

Detail Tooltip

Measure Values

Measure Values

SUM(Days On Floor)

SUM(Days On Floor)

AGG(Net Theo)

AGG(Net Actual)

Filter...

Show Filter

Format...

✓ Include in Tooltip

Edit in Shelf

Compute Using

△ Edit Table Calculation...

Clear Table Calculation

Quick Table Calculation

Total using (Automatic)

Remove

Running Total

Difference

Percent Difference

• Percent of Total

Rank

TableCalc1

2. Difference and Percent Difference quick table calculations

Marks

Automatic

Color Size Text

Detail Tooltip

Measure Values

Measure Values

- SUM(Coin In)
- SUM(Coin In) Δ
- SUM(Coin In) Δ
- AGG(Net Theo) Δ
- AGG(Net Actual) Δ

Filter...

Show Filter

Format...

✓ Include in Tooltip

Edit in Shelf

Compute Using $\blacktriangleright$

Relative to $\blacktriangleright$

Δ Edit Table Calculation...

Clear Table Calculation

Quick Table Calculation $\blacktriangleright$

Total using (Automatic) $\blacktriangleright$

Remove

	Coin In	Difference in Coin In from the Previous along Table (Down)	% Difference in Coin In from the Previous along Table (Down)	Difference in Net Theo from the Previous along Table (Down)	% Difference in Net Actual from the Previous along Table (Down)
January 2019	13,019,283				
February 2019	10,275,675	-2,743,608	-21.07%	-121,849	-18.10%
March 2019	13,036,820	2,761,146	26.87%	148,502	33.30%
April 2019	12,696,473	-340,347	-2.61%	-24,815	-15.61%
May 2019	13,513,961	817,488	6.44%	78,098	36.88%
June 2019	13,957,645	443,684	3.28%	6,100	-6.13%
July 2019	16,553,901	2,596,256	18.60%	151,502	28.44%
August 2019	16,329,559	-224,341	-1.36%	-20,940	-5.66%
September 2019	15,234,910	-1,094,650	-6.70%	-73,452	-9.43%
October 2019	14,125,587	-1,109,323	-7.28%	-38,037	-15.40%
November 2019	12,120,838	-2,004,749	-14.19%	-102,075	-13.26%
December 2019	11,820,335	-300,503	-2.48%	-45,397	-3.06%
January 2020	13,636,620	1,816,285	15.37%	96,175	10.69%
Grand Total	176,321,606				

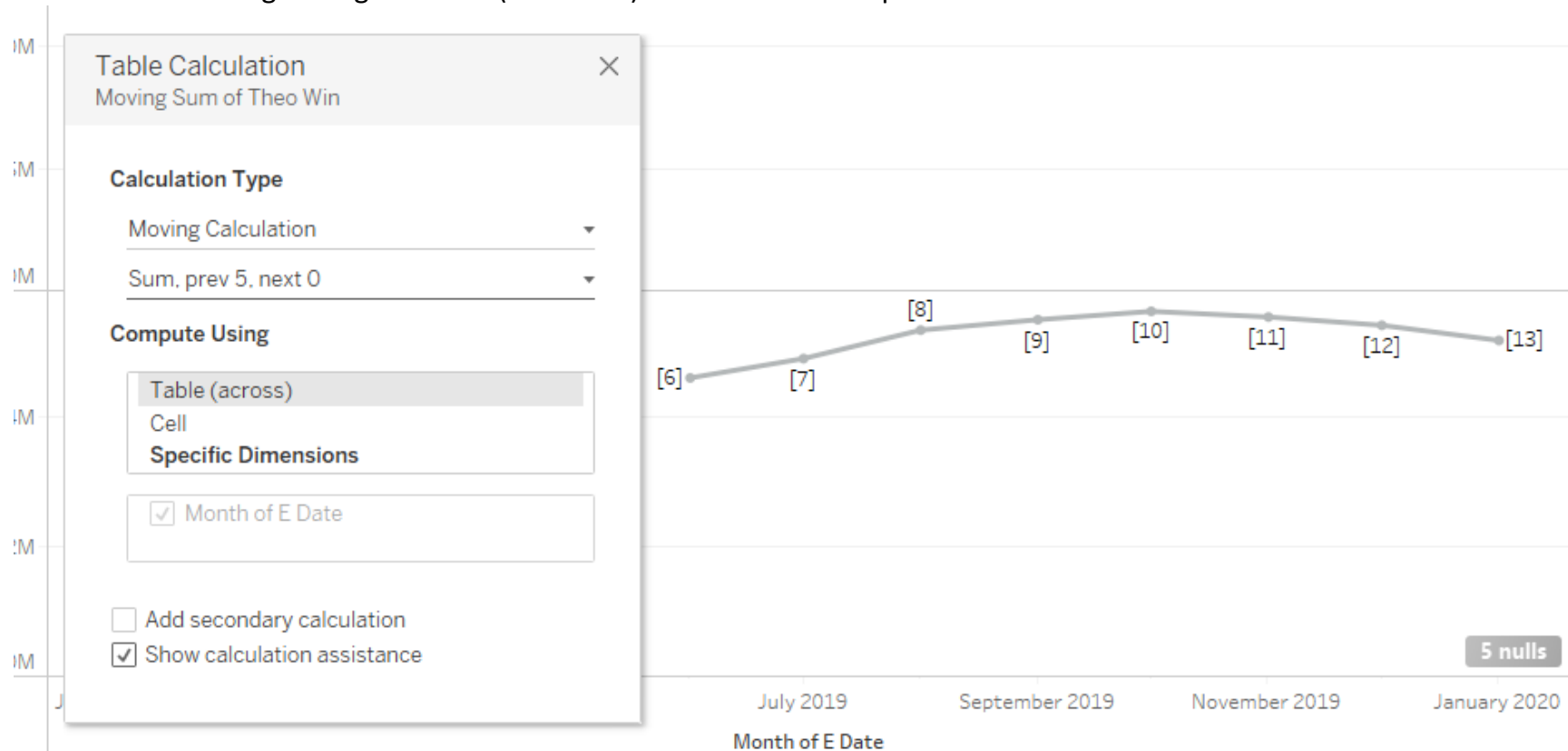
Running Total

Difference

• Percent Difference

Percent of Total

3. Six-month moving average for SUM(Theo Win) added from the capsule in the Rows shelf



Exercises 2B Help

1. Theo Win / DoF Index to Ownership and Section

Theo Win / DoF Index Ownership 



`[Theo Win / DoF] / MAX({ FIXED [Site], [Ownership], [Section] : [Theo Win / DoF] })`



2. Avg Bet Index

Avg Bet Index 



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



3. Occupancy Index

Occupancy Index 



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



Section 2 Assignments Help

1-2. E Date, MFR, and Ownership filters added to Floor Mix

Filters

Measure Names

MY(E Date)

MFR

Ownership

Marks

Automatic

Color

Size

Text

Detail

Tooltip

Measure Values

Measure Values

AGG(Count Machines)

SUM(Days On Floor)

SUM(Days On Floor)

AGG(Net Theo)

AGG(Net Actual)

Utilization table calc Theo

Utilization table calc Selectable

Optimal Change table calc

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 Theo 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%	-0.14%	-1
AIN	5	792	0.72%	0.97%	0.73%	0.25%	0.25%	1
ARI	38	13,346	12.17%	28.42%	23.56%	16.25%	16.25%	70
ARU	14	1,192	1.09%	0.91%	0.59%	-0.18%	-0.18%	-1
EVE	18	2,159	1.97%	2.98%	2.30%	1.01%	1.01%	4
IGT	255	74,743	68.16%	51.83%	60.56%	-16.33%	-16.33%	-70
INC	8	792	0.72%	0.78%	0.62%	0.06%	0.06%	0
INT	9	2,403	2.19%	0.95%	1.03%	-1.24%	-1.24%	-5
KON	24	3,490	3.18%	3.57%	2.78%	0.38%	0.38%	2
SCI	46	9,153	8.35%	8.29%	6.75%	-0.06%	-0.06%	0
Grand To..	431	109,654	100.00%	100.00%	100.00%	0.00%	0.00%	0

Ownership

☒ (All)
 ☒ Lease/Premium
 ☒ Owned

MFR

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

MY(E Date)

☒ (All)
 ☒ January 2019
 ☒ February 2019
 ☒ March 2019
 ☒ April 2019
 ☒ May 2019
 ☒ June 2019
 ☒ July 2019
 ☒ August 2019
 ☒ September 2019
 ☒ October 2019
 ☒ November 2019
 ☒ December 2019

3. 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
 - 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

MONTH(E Date)

MFR

Ownership

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).

$$\frac{([Net Actual] / TOTAL([Net Actual]))}{- (SUM([Days On Floor]) / TOTAL(SUM([Days On Floor])))}$$

The calculation is valid.

Default Table Calculation

Apply OK

4. 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

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

Pages

Filters

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

Marks

Automatic

Color Size Text

Detail Tooltip

Measure Values

AGS
AIN
ARI
ARU
EVE
IGT
INC
INT
KON
SCI
Grand To..

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)

	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

Day1 Heir-Params Machines Trend_AT Dashboard 1 FloorMix TableCalc LOD1 Ord_Ops LOD2 LOD3 BarSegment BarMnum BarCabinets LODFloorMix LODconversion Break3 MnumMap BankMap

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

Analytics

SlotCoordinates

Slots

Search

Filter

Sort

Folders

CalcDims

CalcMeasures

DeleteMe

FloorMix

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

MixLOD

- 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

Pages

Filters

Measure Names

MONTH(E Date)

MFR

Ownership

Marks

Automatic

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 Actual a Table (Down)
AGS	14	1,584	1.44%	1.30%	1.0
					0.0
					23.0
					0.0
					2.0
					60.0
					0.0
					1.0
					2.0
					6.0
					100.0

Utilization table calc Selectable

CASE [Select Win View]

WHEN "Theoretical" THEN [Utilization table calc Theo]

WHEN "Actual" THEN [Utilization table calc Actual]

END

The calculation is valid.

2 Dependencies

Apply

OK

Data Source

n

Day1

Heir-Params

Machines

Trend_AT

Dashboard 1

FloorMix

TableCalc

LOD1

Ord_Ops

LOD2

LOD3

BarSegment

BarMnum

BarCabinets

LODFI

7 marks

11 rows by 7 columns

SUM of Measure Values: 110.088

Values may 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
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

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

Actual

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

Filters

Measure Names

MONTH(E Date)

MFR

Ownership

Marks

Automatic

Color

Size

Text

Detail

Tooltip

Measure Values

Measure Values

AGG(Count Machines)

SUM(Days On Floor)

SUM(Days On Floor)

AGG(Net Theo)

AGG(Net Actual)

Utilization table calc Selectable

Filter...

Show Filter

Format...

✓ Include in Tooltip

Edit in Shelf

Compute Using

Edit Table Calculation...

Total using (Automatic)

Remove

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)
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%

Machines

Trend AT

Dashboard1

FloorMix

TableCalc

LOD1

LOD2

LOD3

PerSegment

PerMonth

PerCabinets

LODFloorMix

LODConversion

Break2

Measure

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

Tableau - Slots Workbook

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Fit Width Show Me

Data Analytics

SlotCoordinates
Slots

Search

Folders

- CalcDims
- CalcMeasures
- DeleteMe
- FloorMix**
 - Optimal Change table calc
 - Utilization table calc Actual
 - Utilization table calc Selectable
 - Utilization table calc Theo
- MixLOD
 - 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

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)	% 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

Ownership

- (All)
- Lease/Premium
- Owned

MFR

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

MONTH(E Date)

January 2019 January 2020

Select Slot Machine Di...

MFR

Select Win View

Actual

Data Source n Day1 Heir-Params Machines Trend_AT Dashboard 1 **FloorMix** TableCalc LOD1 Ord_Ops LOD2 LOD3 BarSegment BarMnum BarCabinets LODFloorMix LODconversion Break3 MnumMap BankMap MapToggle

6. 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)

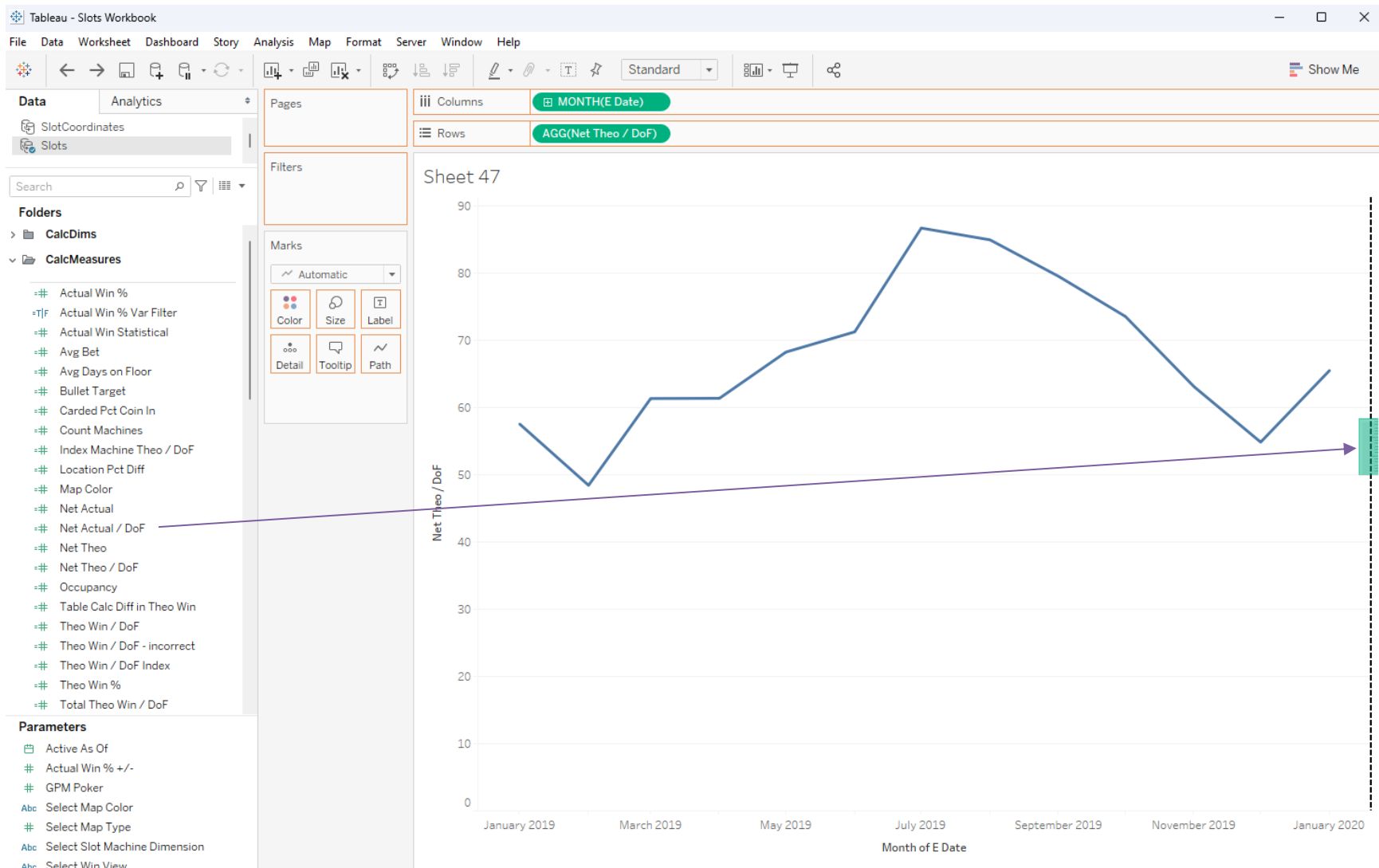
Tableau Interface Screenshot:

- Data:** SlotCoordinates, Slots
- Pages:** (Empty)
- Columns:** Measure Names
- Rows:** Slot Machine Dimens..
- Filters:** Measure Names, MONTH(E Date), MFR, Ownership
- Marks:** Square
- Color:** Optimal Change table calc
- 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

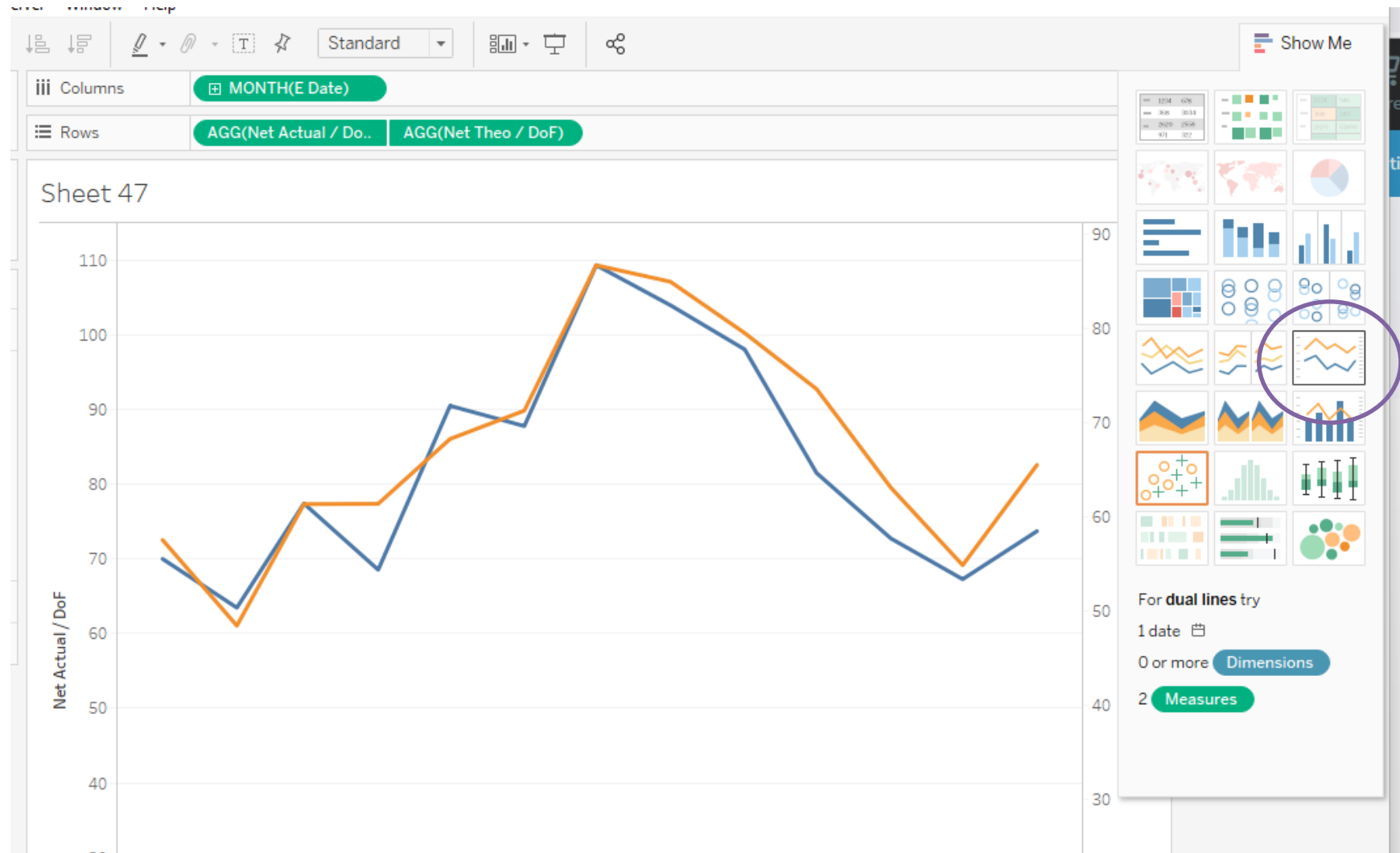
FloorMix Table:

	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

7. 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.

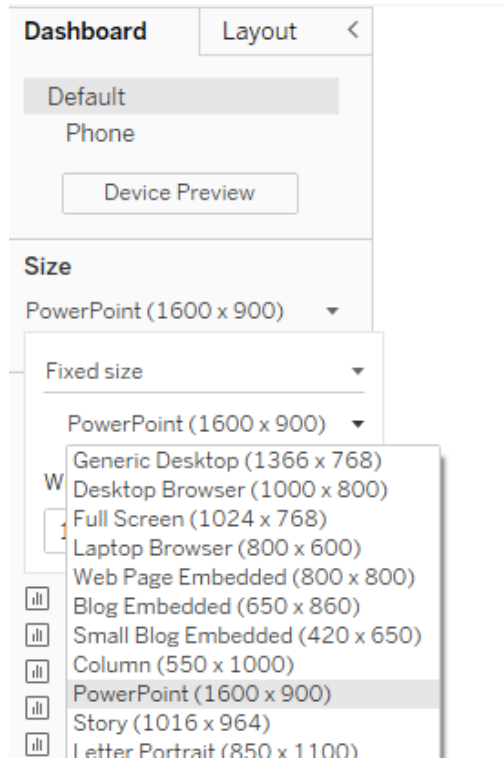


Or drag both measures to the Rows shelf and use Show Me to select single axis line chart:

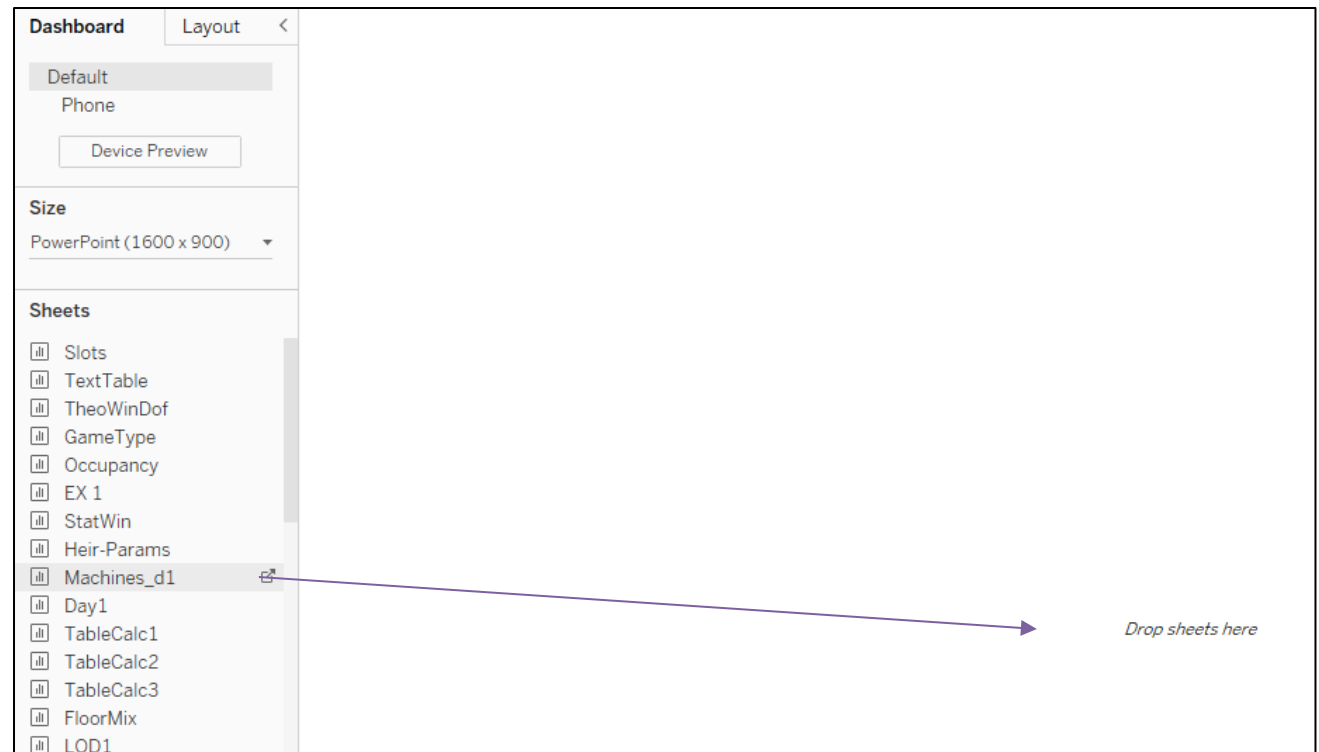


Exercises 3 Help

1. Dashboard size to 1600 x 900



2. Drag Machines_d1 worksheet to the Dashboard



3. Horizontal container above Machines_d1

Dashboard

Layout

Default
Phone

Device Preview

Size

PowerPoint (1600 x 900)

Sheets

- Slots
- TextTable
- TheoWinDof
- GameType
- Occupancy
- EX 1
- StatWin
- Heir-Params
- Machines_d1
- Day1
- TableCalc1
- TableCalc2
- TableCalc3
- FloorMix
- LOD1
- LOD2
- EX 2B
- LOD3

Objects

- Horizontal Container
- Vertical Container
- Text
- Extension
- Data Story
- Image
- Blank
- Workflow
- Web Page
- Navigation

Tiled Floating

Show dashboard title

nth of E Date

January 2019 January 2020

Game Type

(All)

Fee Type

(All)

Actual Win % +/-

0.00%

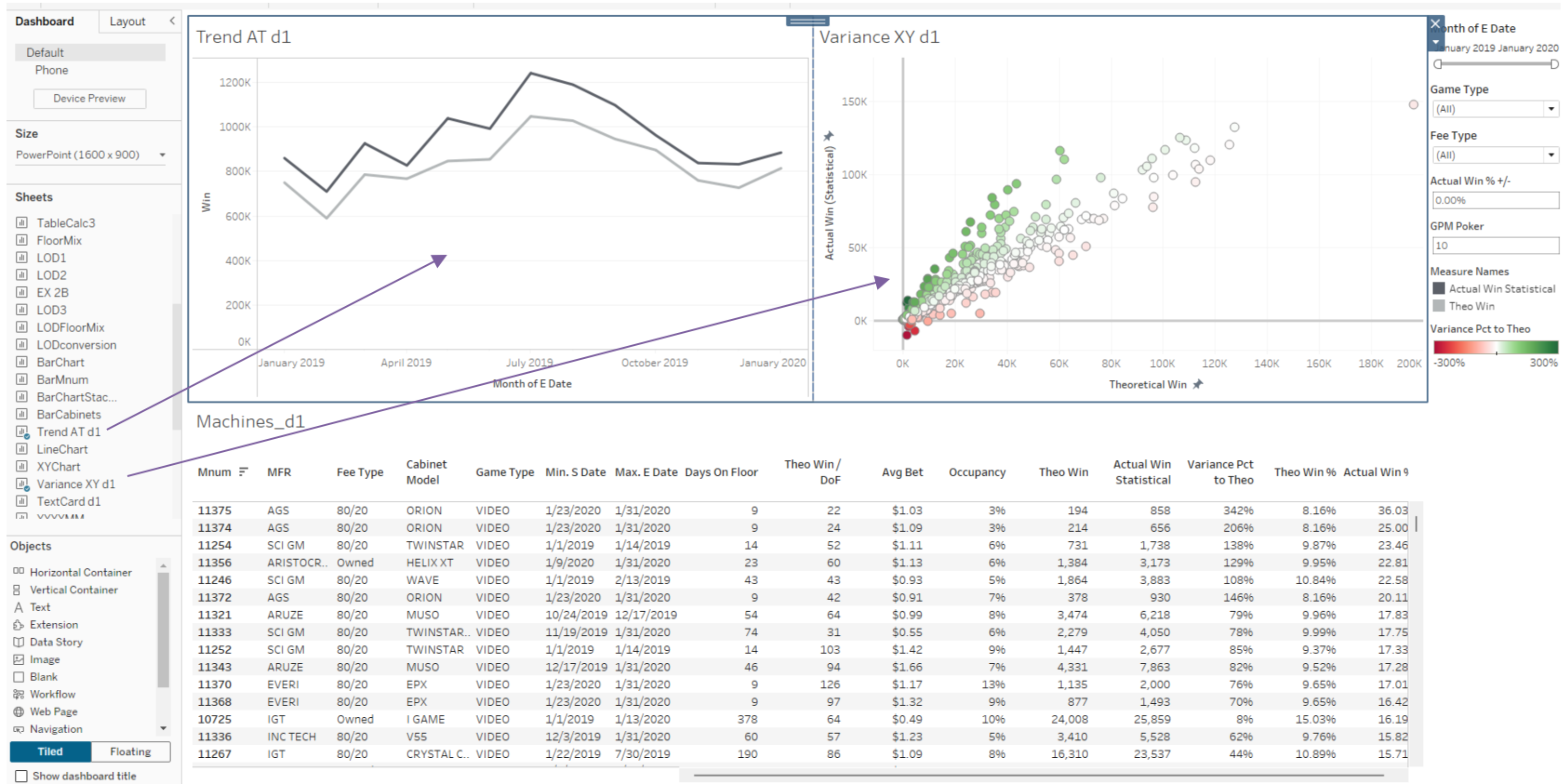
GPM Poker

10

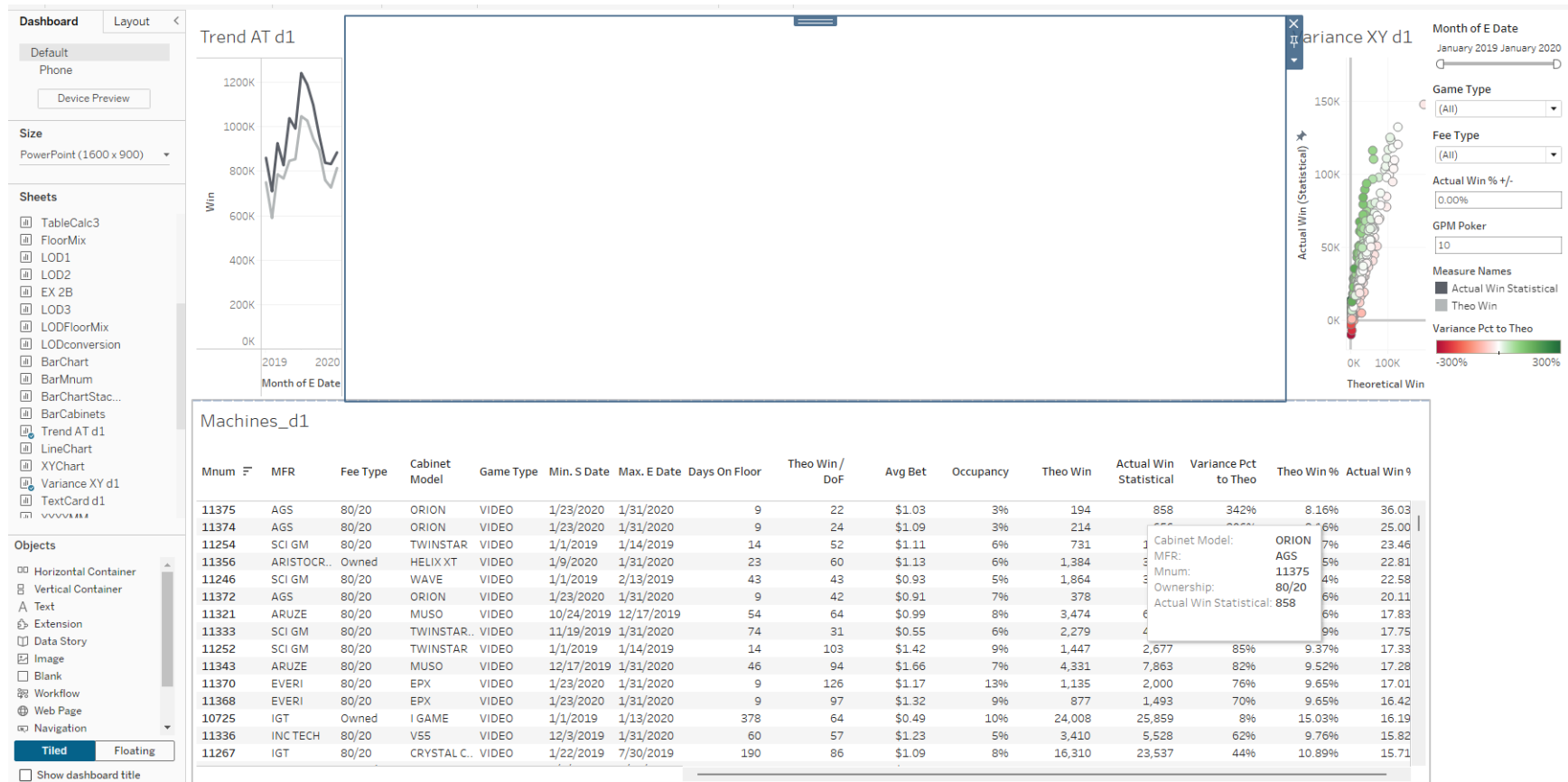
Machines_d1

Mnum	MFR	Fee Type	Cabinet Model	Game Type	Min. S Date	Max. E Date	Days On Floor	Theo Win / DoF	Avg Bet	Occupancy	Theo Win	Actual Win Statistical	Variance Pct to Theo	Theo Win %	Actual Win %
11375	AGS	80/20	ORION	VIDEO	1/23/2020	1/31/2020	9	22	\$1.03	3%	194	858	342%	8.16%	36.03
11374	AGS	80/20	ORION	VIDEO	1/23/2020	1/31/2020	9	24	\$1.09	3%	214	656	206%	8.16%	25.00
11254	SCI GM	80/20	TWINSTAR	VIDEO	1/1/2019	1/14/2019	14	52	\$1.11	6%	731	1,738	138%	9.87%	23.46
11356	ARISTOCR..	Owned	HELIX XT	VIDEO	1/9/2020	1/31/2020	23	60	\$1.13	6%	1,384	3,173	129%	9.95%	22.81
11246	SCI GM	80/20	WAVE	VIDEO	1/1/2019	2/13/2019	43	43	\$0.93	5%	1,864	3,883	108%	10.84%	22.58
11372	AGS	80/20	ORION	VIDEO	1/23/2020	1/31/2020	9	42	\$0.91	7%	378	930	146%	8.16%	20.11
11321	ARUZE	80/20	MUSO	VIDEO	10/24/2019	12/17/2019	54	64	\$0.99	8%	3,474	6,218	79%	9.96%	17.83
11333	SCI GM	80/20	TWINSTAR..	VIDEO	11/19/2019	1/31/2020	74	31	\$0.55	6%	2,279	4,050	78%	9.99%	17.75
11252	SCI GM	80/20	TWINSTAR	VIDEO	1/1/2019	1/14/2019	14	103	\$1.42	9%	1,447	2,677	85%	9.37%	17.33
11343	ARUZE	80/20	MUSO	VIDEO	12/17/2019	1/31/2020	46	94	\$1.66	7%	4,331	7,863	82%	9.52%	17.28
11370	EVERI	80/20	EPX	VIDEO	1/23/2020	1/31/2020	9	126	\$1.17	13%	1,135	2,000	76%	9.65%	17.01
11368	EVERI	80/20	EPX	VIDEO	1/23/2020	1/31/2020	9	97	\$1.32	9%	877	1,493	70%	9.65%	16.42
10725	IGT	Owned	I GAME	VIDEO	1/1/2019	1/13/2020	378	64	\$0.49	10%	24,008	25,859	8%	15.03%	16.19
11336	INCTECH	80/20	V55	VIDEO	12/3/2019	1/31/2020	60	57	\$1.23	5%	3,410	5,528	62%	9.76%	15.82
11267	IGT	80/20	CRYSTAL C..	VIDEO	1/22/2019	7/30/2019	190	86	\$1.09	8%	16,310	23,537	44%	10.89%	15.71

4 & 5 Trends AT d1 and Variance XY d1 placed in the Horizontal container



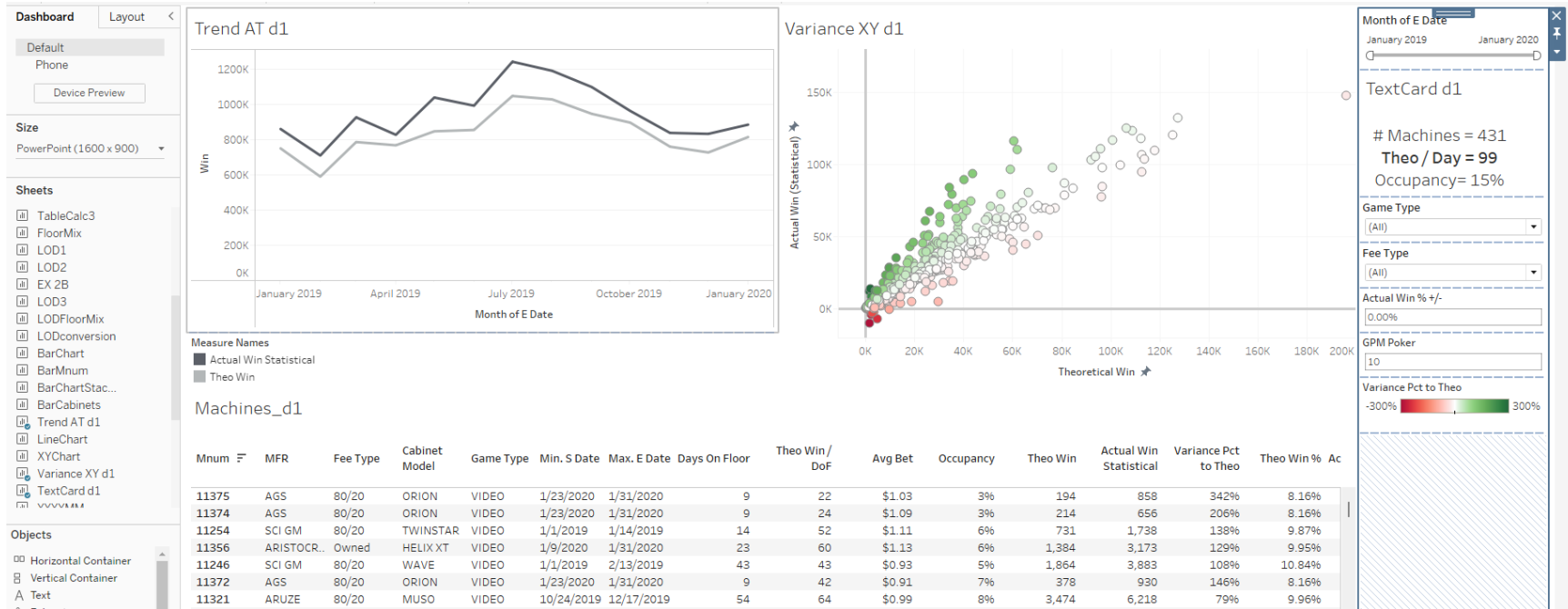
6. Vertical Container in the Horizontal Container



7 & 8 Trend chart and Measure Names color legend placed in the Vertical Container

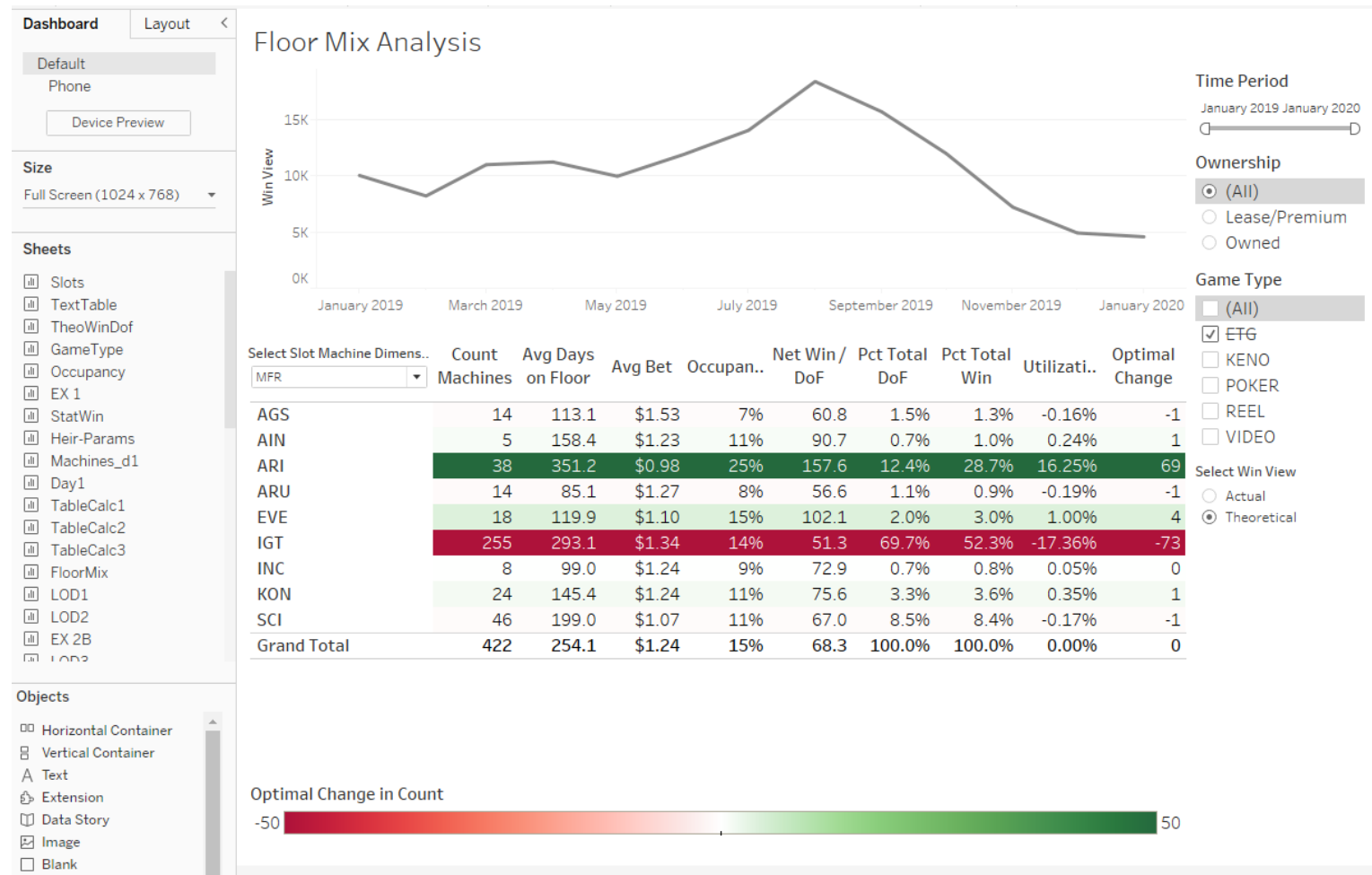


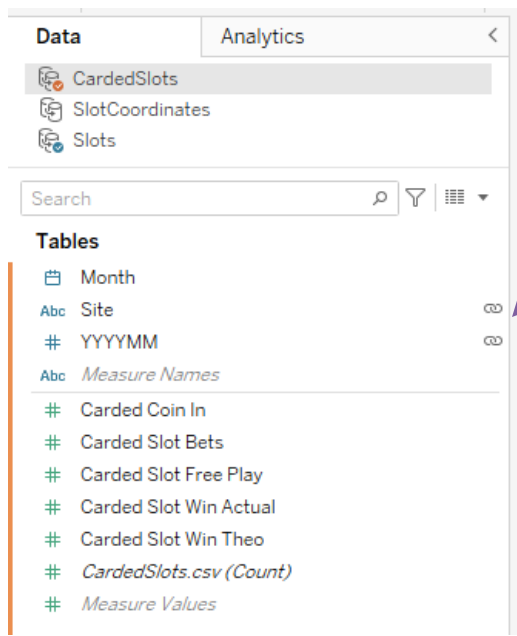
9. TextCard d1 added (easiest to add here then move the Date filter below it)



Section 3 Assignments Help

1 to 8 completed dashboard should like something like this:





9. CardedSlots data joined to Slots data on Site and YYYYMM

10. Carded Pct of Theo Win calculation

YYYYMM	Coin In	Theo Win	Carded Pct of Theo
201901	13,019,283	749,866	81.9%
201902	10,275,675	589,669	75.7%
201903	13,036,820	786,004	73.9%
201904	12,696,473	767,489	74.9%
201905	13,513,961	846,991	74.2%
201906	13,957,645	854,548	72.7%
201907	16,553,901	1,047,427	71.3%
201908	16,329,559	1,028,089	67.9%
201909	15,234,910	946,007	71.6%
201910	14,125,587	896,318	72.4%
201911	12,120,838	759,776	80.2%
201912	11,820,335	726,907	86.7%
202001	13,636,620	814,236	87.1%
Grand Total	176,321,606	10,813,328	75.7%

