Oracle® Hospitality OPERA Reporting and Analytics

Sample Reports and Functions

Release 24.1
April 2024

Oracle Hospitality OPERA Reporting and Analytics Sample Reports and Functions Release 24.1

Contents

Preface

Purpose

This guide lists the OPERA Reporting and Analytics sample reports and custom formula samples. The purpose is to assist users create reports utilizing different subject areas and custom formulas.

Customer Support

To contact Oracle Customer Support, access My Oracle Support at the following URL:

https://iccp.custhelp.com/

When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received
- Screen shots of each step you take

Documentation

Oracle Hospitality product documentation is available on the Oracle Help Center at

http://docs.oracle.com/en/industries/hospitality/

Table 1 Revision History

Date	Description
April 2024	• Initial Publication

Report Samples

Examples 1-15 are examples of some of the most common reports. In each example, there are 6 components for the user's reference:

1. Report Name – It is the suggested name for the report.
2. Subject Area – This is the subject area that we recommend using for the specific report.
3. Attributes/Columns in Report Content – The actual data columns of the report.
4. Suggested Filter – These are suggested attributes to be used to filter specific range of data in the report. Please refer to the **Creating Filters in the Analysis** section for further details.
5. Other suggested Attributes/Columns – Attributes/columns that could be included in the report with relevant data.
6. Sample – A screenshot of the actual report for user's reference.

1 Arrival Details Report

REPORT NAME	**ARRIVALS DETAILS REPORT**
SUBJECT AREA	**BOOKINGS – RESERVATION**
Report Content	
Attribute/Column Name	**SA Folder**
Confirmation Number	Reservation Overview- Details
Reservation Status	Reservation Overview- Details
Arrival Date	Reservation Overview- Details
Departure Date	Reservation Overview- Details
Last Room Number	Room
Room Number	Room
First Name	Guest Profile-Profiles-Individuals-Guest Details
Last Name	Guest Profile-Profiles-Individuals-Guest Details
VIP Code	Guest Profile-Profiles-Individuals-Additional Details
Rate Code	Reservation Overview-Daily Details

Rate	Reservation Overview-Daily Details
Room Type	Reservation Overview-Daily Details
Market Code	Reservation Overview-Daily Details
Arrival Time	Reservation Overview-Details
Adults	Reservation Overview-Stay Details
Children	Reservation Overview-Stay Details
Account Name (Company)	Account Profiles-Company Profile-Profile-Company-Account Information
Preference	Reservation Overview-Reservation Preferences
Alert Code	Notifications-Alerts
Suggested Filters (Attributes/Columns can be used as a filter to drill down data for reports. Please see the Creating Filters in the Analysis section for further details)	
Attribute/Column Name	**SA Folder**
Property	Property Details
Arrival Date	Reservation Overview-Details
Other Suggested Attributes/Columns that are relevant to this report	
Attribute/Column Name	**SA Folder**
Linked Guest Name	Additional Information-Linked Reservations
Shared Guest Name	Additional Information-Shares
Shared Confirmation Number	Additional Information-Shares
Alert Code	Notifications-Alerts
Comment	Notifications-Reservation Notes
Membership Type	Guest Profile-Profiles-Individuals-Membership
Membership Number	Guest Profile-Profiles-Individuals-Membership
First Name	Accompanying-Guest Details
Last Name	Accompanying-Guest Details
Sample	

Confirmation Number	Reservation Status	First Name	Last Name	Arrival Date	Departure Date	Room Number	Last Room Number	VIP Code	Market Code	Rate Code	Rate	Room Type

3410094	CHECKED IN	First Name	Last Name	12/10/2020	12/15/2020	06		1	GRP		660.00	
3552673	CHECKED OUT	First Name	Last Name	12/17/2016	12/17/2016	2003	2003	1	RACK	RACK	150.00	CD
3552173	CHECKED OUT	First Name	Last Name	12/15/2016	12/15/2016	2003	2003	2	CRS	RACK	150.00	CD
3551422	CHECKED OUT	First Name	Last Name	12/14/2016	12/15/2016	2002	2003	1	EMAIL	RACK	300.00	CD
3547927	CHECKED OUT	First Name	Last Name	12/13/2016	12/14/2016	2001	2003	1	EMAIL	RACK	300.00	CD
3534174	CHECKED OUT	First Name	Last Name	9/6/2016	9/6/2016	301	301	1	ALL	DAILY	115.00	CD
3518880	CHECKED OUT	First Name	Last Name	3/10/2016	3/13/2016	2006	2006	2	VAC	EUR-RCHANGE	184.88	K1OV
3518881	CHECKED OUT	First Name	Last Name		3/13/2016	2008	2008	1	VAC	EUR-RCHANGE	184.88	K1OV

2 Accounts Aging by Type Report

REPORT NAME	ACCOUNTS AGING BY TYPE REPORT
SUBJECT AREA	AR – AGING REPORT
Report Content	
Attribute/Column Name	**SA Folder**
Account Name	AR-Accounts-Details
Account Number	AR-Accounts-Details
Credit Limit	AR-Accounts-Details
Account Type	AR-Accounts-Details
Status	AR-Accounts-Details
Active Y/N	AR-Accounts-Details
Invoice Age	Details
Age 1	Details
Age 2	Details
Age 3	Details
Age 4	Details
Age 5	Details
Age 6	Details
AR Ledger Debit	Details
Transaction Number	Details
Open AR Transaction Amount	Details
Suggested Filters (Attributes/Columns can be used as a filter to drill down data for reports. Please see the Creating Filters in the Analysis section for further details)	
Attribute/Column Name	**SA Folder**
Property	Filters
Business Date	Filters

Other Suggested Attributes/Columns that are relevant to this report	
Attribute/Column Name	**SA Folder**
Post Date	Details
Folio Number	Details
Account Code	AR-Accounts-Details

Sample

Business Date	Account Type	Account Number	Account Name	Credit Limit	Invoice Age	Age 1	Age 2	Age 3	Age 4	Age 5	Age 6	Open AR Transaction Amount	AR Ledger Debit
2/15/2019	ARSAMPLE01	01223344	ACCOUNT NAME	20,000.00	2,488	2.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00
9/7/2018	CC	CC0003	ACCOUNT NAME		2,810	0.00	0.00	0.00	2.00	0.00	0.00	2.00	138.00
3/21/2019		CC.MAS001	ACCOUNT NAME		2,420	2.00	0.00	0.00	0.00	0.00	0.00	2.00	1,177.00
3/24/2019		CC.MAS001	ACCOUNT NAME		1,207	1.00	0.00	0.00	0.00	0.00	0.00	1.00	-300.00
4/16/2020		MCC888	ACCOUNT NAME		1,636	2.00	0.00	0.00	0.00	0.00	0.00	2.00	2,460.00
4/18/2020		MCC888	ACCOUNT NAME		816	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1,230.00
4/20/2020		MCC888	ACCOUNT NAME		2,442	3.00	0.00	0.00	0.00	0.00	0.00	3.00	5,020.00
4/21/2020		MCC888	ACCOUNT NAME		4,878	6.00	0.00	0.00	0.00	0.00	0.00	6.00	9,771.00
8/9/2021		CC0001	ACCOUNT NAME		338	1.00	0.00	0.00	0.00	0.00	0.00	1.00	65,731.14
		CC0002	ACCOUNT NAME		338	1.00	0.00	0.00	0.00	0.00	0.00	1.00	38.54

3 Group Blocks Report

REPORT NAME	BLOCK ROOMS REPORT
SUBJECT AREA	BOOKINGS – BLOCK
Report Content	
Attribute/Column Name	**SA Folder**
Market Code	Details-Block Details
Block Status	Details-Block Details
Room Owner Code	Details-Room Details
Start Date	Details-Block Details
End Date	Details-Block Details
Block ID	Details-Block Details
Room Nights Sold	Block Revenues-Block Summary-Potential
Actual Room Nights Sold	Block Revenues-Block Summary-Actual
Room Nights Sold Variance	Custom Formula (As Shown Below)
"Block Summary - Actual"."Actual Room Nights Sold"-"Block Summary - Potential"."Room Nights Sold"	
Average Room Rate	Block Revenues-Block Summary-Potential
Actual Average Room Rate	Block Revenues-Block Summary-Actual
Average Room Rate Variance	Custom Formula (As Shown Below)
"Block Summary - Actual"."Actual Average Room Rate"-"Block Summary - Potential"."Average Room Rate"	
Room Revenue	Block Revenues-Block Summary-Potential
Actual Room Revenue	Block Revenues-Block Summary-Actual
Actual Room Revenue Variance	Custom Formula (As Shown Below)
"Block Summary - Actual"."Actual Room Revenue"-"Block Summary - Potential"."Room Revenue"	
Suggested Filters (Attributes/Columns can be used as a filter to drill down data for reports. Please see the Creating Filters in the Analysis section for further details)	
Attribute/Column Name	**SA Folder**

Property	Property
Start Date	Details-Block Details
End Date	Details-Block Details
Other Suggested Attributes/Columns that are relevant to this report	
Attribute/Column Name	**SA Folder**
S&C Room Category	Block Snapshots
Currency Code	Property
Alias	Details-Block Details
Room Status	Details-Block Details
Catering Status	Details-Block Details
Source Code	Details-Block Details
Origin Code	Details-Block Details
Block Type Code	Details-Block Details
Conversion Code	Details-Block Details
Industry Code	Details-Block Details
Block Owner Code	Details-Block Details
Room Owner Code	Details-Room Details
Cut Off Date	Details-Room Details
Cut Off Days	Details-Room Details
Stay Year	Details-Block Stay Date
Stay Month	Details-Block Stay Date
Stay Day	Details-Block Stay Date
F&B Revenue	Block Revenues-Block Summary-Potential
Other Revenue	Block Revenues-Block Summary-Potential
Actual F&B Revenue	Block Revenues-Block Summary-Actual
Actual Other Revenue	Block Revenues-Block Summary-Actual

SAMPLE

Market Code	Block Status	Start Date	Block ID	Room Nights Sold	Actual Room Nights Sold	Room Nights Sold Variance	Average Room Rate	Actual Average Room Rate	Average Room Rate Variance	Room Revenue	Actual Room Revenue	Room Revenue Variance
AA	ACT	10/3/2010	1768062	1.00	1	0.00	79.44	79.44	0.00	79.44	79.44	0.00
ADH	INQ	2/28/2018	29974	0.00	0	0.00				0.00		
AIR	INQ	7/7/2009	1768598	0.00	0	0.00				0.00		
ALL	ACT	4/15/2005	1769055	0.00	0	0.00				0.00	0.00	0.00
	DEF	3/7/2012	1769062	40.00	0	-40.00	123.81			4,952.38		
C1	INQ	10/14/2014	1768306	0.00	0	0.00				0.00		

4 Managers Report

REPORT NAME	MANAGERS REPORT
SUBJECT AREA	STATISTICS – MANAGERS REPORT
Report Content	
Attribute/Column Name	**SA Folder**
F&B Revenue	Revenue Details
Group Room Revenue	Revenue Details
Individual Room Revenue	Revenue Details
Room Revenue	Revenue Details
Total Revenue	Revenue Details
ADR(minus C/H)	Revenue Details
Group ADR	Custom Formula (As Shown Below)
"Revenue Details"."Group Room Revenue"/"Room Details"."Group Rooms"	
Individual ADR	Custom Formula (As Shown Below)
"Revenue Details"."Individual Room Revenue"/"Room Details"."Individual Rooms"	
ADR	Custom Formula (As Shown Below)
"Revenue Details"."Room Revenue"/"Room Details"."Occupied Rooms"	
REVPAR	Custom Formula (As Shown Below)
"Revenue Details"."Room Revenue"/"Room Details"."Physical Rooms"	
Available Rooms	Room Details
Occupied Rooms	Room Details
Arrival Rooms	Room Details
Departure Rooms	Room Details
Complimentary Rooms	Room Details
House-use Rooms	Room Details
Group Rooms	Room Details

Transient Rooms	Room Details
Agent Rooms	Room Details
Company Rooms	Room Details
Tomorrow Arrival Rooms	Room Details
Tomorrow Departure Rooms	Room Details
Inspected Rooms	Room Details
Clean Rooms	Room Details
Dirty Rooms	Room Details
Out of Order Rooms	Room Details
Out of Service Rooms	Room Details
Suggested Filters (Attributes/Columns can be used as a filter to drill down data for reports. Please see the Creating Filters in the Analysis section for further details)	
Attribute/Column Name	**SA Folder**
Property	Filters
Business Date	Filters
Other Suggested Attributes/Columns that are relevant to this report	
Attribute/Column Name	**SA Folder**
Reservation	Details
Cancel Reservation	Details
Turnaway	Details
Late Cancel Reservation	Details
Cancellations Made Today	Details
Room Nights Reserved Today	Details
VIP Guest	Guest Details
Guests in House	Guest Details
Individual Guests	Guest Details
Adults in House	Guest Details
Children in House	Guest Details

Membership in-house Persons	Guest Details
Arrival Persons	Guest Details
Tomorrow Arrival Persons	Guest Details
Departure Persons	Guest Details
Tomorrow Departure Persons	Guest Details
Birthdays	Guest Details
Occupancy %	Room Details
Occupancy % - Comp, House and OOO	Room Details
Occupancy % - Comp, House	Room Details
Cribs	Room Details
Rollaways	Room Details
Day-Use Rooms	Room Details
Walk-in Rooms	Room Details
No-Show Rooms	Room Details
Cancel Rooms	Room Details
Late Cancel Rooms	Room Details

Sample

12/14/2011

Property	Available Rooms	Occupied Rooms	Arrival Rooms	Departure Rooms	Group Rooms	Transient Rooms	Agent Rooms	Company Rooms	Tomorrow Arrival Rooms	Tomorrow Departure Rooms
CANADA	155	0	2	2	0	0	0	0	0	0
Grand Total	**155**	**0**	**2**	**2**	**0**	**0**	**0**	**0**	**0**	**0**

10/24/2014

Property	Available Rooms	Occupied Rooms	Arrival Rooms	Departure Rooms	Group Rooms	Transient Rooms	Agent Rooms	Company Rooms	Tomorrow Arrival Rooms	Tomorrow Departure Rooms
BELGIUM	134	21	21	0	21	0	7	7	0	21
Grand Total	**134**	**21**	**21**	**0**	**21**	**0**	**7**	**7**	**0**	**21**

5 Deposit Ledger Report

REPORT NAME	**DEPOSIT LEDGER REPORT**
SUBJECT AREA	**FINANCIAL – DEPOSIT LEDGER**
Report Content	
Attribute/Column Name	**SA Folder**
Last Name	Reservations-Guest Profile-Profiles Individuals Guest Details
First Name	Reservations-Guest Profile-Profiles Individuals Guest Details
Confirmation Number	Reservations-Reservation Overview-Bookings Reservation Details
Arrival Date	Reservations-Reservation Overview-Bookings Reservation Details
Departure Date	Reservations-Reservation Overview-Bookings Reservation Details
Reservation Type	Reservations-Reservation Overview-Bookings Reservation Stay Details
Deposit Ledger Debit	Details
Deposit Ledger Credit	Details
Transaction Number	Details
Transaction Code	Details
Transaction Date	Details
Suggested Filters (Attributes/Columns can be used as a filter to drill down data for reports. Please see the Creating Filters in the Analysis section for further details)	
Attribute/Column Name	**SA Folder**
Property	Filters
Business Date	Filters
Other Suggested Attributes/Columns that are relevant to this report	
Attribute/Column Name	**SA Folder**

Folio Number	Billed Folios
Folio Type	Billed Folios
Bill Number	Details
Receipt Number	Details
Reference	Details

Sample

Business Date	Property	Confirmation Number	Guest Last Name	Guest First Name	Arrival Date	Departure Date	Transaction Number	Transaction Code	Transaction Date	Deposit Ledger Credit	Deposit Ledger Debit
4/17/2005	GREECE	2269544	Last Name	First Name	4/17/2005	4/17/2005	6041168	3000	4/17/2005		25.00
		2269544	Last Name	First Name	4/17/2005	4/17/2005	6041172	9010	4/17/2005	100.00	
		2269544	Last Name	First Name	4/17/2005	4/17/2005	6041173	9150	4/17/2005		100.00
	ISRAEL	679688	Last Name	First Name	4/17/2005	4/20/2005	6063039	9000	4/17/2005	50.00	
4/18/2005	GREECE	3239998	Last Name	First Name	4/18/2005	4/20/2005	6053341	1000	4/18/2005		150.00
		3239998	Last Name	First Name	4/18/2005	4/20/2005	6053342	8300	4/18/2005		9.00

6 Statistics Matrix Report

REPORT NAME	**STATISTICS MATRIX REPORT**
SUBJECT AREA	**STATISTICS – RESERVATIONS DAILY SUMMARY**
Report Content	
Attribute/Column Name	**SA Folder**
Rate Code	Revenue Details
Room Revenue	Revenue Details
Food Revenue	Revenue Details
Other Revenue	Revenue Details
Total Revenue	Revenue Details
Room Nights	Room Details
Cancelled Rooms	Room Details
No-Show Rooms	Room Details
Room Type	Room Details
Market Code	Marketing
Source Code	Marketing
Origin Code	Marketing
Country Code	Marketing
Suggested Filters (Attributes/Columns can be used as a filter to drill down data for reports. Please see the Creating Filters in the Analysis section for further details)	
Attribute/Column Name	**SA Folder**
Property	Filters
Business Date	Filters
Other Suggested Attributes/Columns that are relevant to this report	
Attribute/Column Name	**SA Folder**
Central Room Revenue	Central Revenue Details

Central Food Revenue	Central Revenue Details
Central Other Revenue	Central Revenue Details
Central Total Revenue	Central Revenue Details

Sample

FRANCE 2009

Month	Market Code	Rate Code	Room Type	Country Code	Room Nights	Room Revenue	Food Revenue	Other Revenue	Total Revenue	Room Revenue	Other Revenue	Total Revenue
Aug	LT		PM	FR						0.00	630.00	630.00
		IRACK	QN1	AR	1	272.73	0.00	0.00	272.73			
		NA_RATE_CODE		US	0	-71.00	0.00	-101.00	-172.00	-167.27	-10.00	-181.99
		RACK	KN1	US						350.00	50.00	427.36
			PM	US						0.00	0.00	0.00
		WIFI	QN1	US	6	600.00	0.00	210.00	810.00			
		NA_RATE_CODE		US	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

7 Guest in House Report

REPORT NAME	GUEST IN HOUSE REPORT
SUBJECT AREA	BOOKINGS – RESERVATION
Report Content	
Attribute/Column Name	**SA Folder**
Last Name	Guest Profile-Profiles-Individuals-Guest Details
First Name	Guest Profile-Profiles-Individuals-Guest Details
Room Type	Reservation Overview-Daily Details
Room Number	Room
Arrival Date	Reservation Overview-Details
Number of Nights	Reservation Overview-Details
Departure Date	Reservation Overview-Details
Note Type	Notifications-Reservation Notes
Note Title	Notifications-Reservation Notes
Comment	Notifications-Reservation Notes
Alert Code	Notifications-Alerts
Alert Description	Notifications-Alerts
Department	Notifications-Traces
Trace Date	Notifications-Traces
Time	Notifications-Traces
Trace Text	Notifications-Traces
Trace Status	Notifications-Traces
Service Type	Notifications-Service Request
Service Request Code	Notifications-Service Request
Suggested Filters (Attributes/Columns can be used as a filter to drill down data for reports. Please see the Creating Filters in the Analysis section for further details)	

Attribute/Column Name	SA Folder
Property	Property Details
Reservation Status (equals to CHECKED IN)	Reservation Overview-Details
Room Class (not equal to PM/PSEUDO)	Room
Other Suggested Attributes/Columns that are relevant to this report	
Attribute/Column Name	**SA Folder**
Adults	Reservation Overview-Stay Details
Children	Reservation Overview-Stay Details
Rate Code	Reservation Overview-Daily Details
Market Code	Reservation Overview-Daily Details
Preference Group	Reservation Overview-Reservation Preferences
Preference	Reservation Overview-Reservation Preferences
Shared Guest Name	Additional Information-Shares
VIP Code	Guest Profile-Profiles Individuals Additional Details
Business Segment	Guest Profile-Profiles Individuals Additional Details
Membership Type	Guest Profile-Profiles Individuals Membership
Membership Number	Guest Profile-Profiles Individuals Membership

Sample

Last Name	First Name	Room Type	Room Number	Arrival Date	Number of Nights	Departure Date	Note Type	Note Title	Comment
Last Name	First Name	DLX	322	5/15/2011	7	5/22/2011	RESERVATION		Family Reunion, req Same Floor
			331	5/15/2011	7	5/22/2011	RESERVATION		Family Reunion, req Same Floor
Last Name	First Name	TK	215	5/15/2011	5	5/20/2011			
Last Name	First Name	DLX	314	5/15/2011	5	5/20/2011			
Last Name	First Name	DLX	312	5/15/2011	5	5/20/2011			
Last Name	First Name	DLX	315	5/15/2011	5	5/20/2011			
Last Name	First Name	DLX	316	5/15/2011	5	5/20/2011			
Last Name	First Name	PM	9500	10/17/2010	760	11/15/2012	RESERVATION		use 9500 PM room

8 Revenue by Market Code Report

REPORT NAME	REVENUE BY MARKET CODE REPORT
SUBJECT AREA	STATISTICS – RESERVATIONS SUMMARY
Report Content	
Attribute/Column Name	**SA Folder**
Stay Date	Filters
Number of Rooms	Room Details
Room Revenue	Revenue Details
Food Revenue	Revenue Details
Other Revenue	Revenue Details
Total Revenue	Revenue Details
Suggested Filters (Attributes/Columns can be used as a filter to drill down data for reports. Please see the Creating Filters in the Analysis section for further details)	
Attribute/Column Name	**SA Folder**
Property	Property Details
Market Code	Marketing
Stay Date	Filters
Other Suggested Attributes/Columns that are relevant to this report	
Attribute/Column Name	**SA Folder**
Room Type	Room Details
Source Code	Marketing
Region Code	Marketing
Origin Code	Marketing
Extra Revenue	Revenue Details
Non-revenue	Revenue Details
Sample	
CGA	

Property	Stay Date	Number of Rooms	Room Revenue	Food Revenue	Other Revenue	Total Revenue
TURKEY	4/18/2005	0	2,099.61	70.11	0.00	2,169.72
	5/8/2005	0	0.00	0.00	0.00	0.00
	5/13/2005	1	197.05	20.74	0.00	217.80
	5/14/2005	0	0.00	0.00	0.00	0.00
CGC						
Property	Stay Date	Number of Rooms	Room Revenue	Food Revenue	Other Revenue	Total Revenue
TURKEY	4/21/2005	0	92.59	0.00	7.40	99.99
CGP						
Property	Stay Date	Number of Rooms	Room Revenue	Food Revenue	Other Revenue	Total Revenue
TURKEY	5/8/2005	0	0.00	0.00	0.00	0.00
CMP						
Property	Stay Date	Number of Rooms	Room Revenue	Food Revenue	Other Revenue	Total Revenue
TURKEY	5/3/2005	1	0.00	0.00	0.00	0.00
	5/4/2005	1	0.00	0.00	0.00	0.00
	5/5/2005	1	0.00	0.00	0.00	0.00
	5/6/2005	1	0.00	0.00	0.00	0.00

9 Booking Pace Report

REPORT NAME	BOOKING PACE REPORT
SUBJECT AREA	STATISTICS – RESERVATION PACE
Report Content	
Attribute/Column Name	**SA Folder**
Property	Property Details
Market Code	Market
Room(N) (Non Deductible Rooms)	Non Revenue Details
Room (Deductible Rooms)	Non Revenue Details
Room(T) (Total Rooms)	Non Revenue Details
Revenue(N) (Non Deductible Revenue)	Local Currency Details
Revenue (Deductible Revenue)	Local Currency Details
Revenue(T) (Total Revenue)	Local Currency Details
ADR(N) (Non Deductible ADR)	Local Currency Details
ADR (Deductible ADR)	Local Currency Details
ADR(T) (Total ADR)	Local Currency Details
Suggested Filters (Attributes/Columns can be used as a filter to drill down data for reports. Please see the Creating Filters in the Analysis section for further details)	
Attribute/Column Name	**SA Folder**
Property	Property Details
Stay Date	Stay Date
Snapshot Date	Snapshot Date
Other Suggested Attributes/Columns	
Attribute/Column Name	**SA Folder**
Market Code	Market
Market Group	Market

Room Type	Room Type
Origin Code	Channel
Rate Code	Rate Code

Sample

Snapshot Date	Property	Stay Date	Room	Room (N)	Room (T)	ADR	ADR (N)	ADR (T)	Revenue	Revenue (N)	Revenue (T)
12/1/2017	PROPERTY A	11/29/2017	18.00	0.00	18	430.83		430.83	7,755.00		7,755.00
		11/30/2017	12.00	0.00	12	1,961.25		1,961.25	23,535.00		23,535.00
		12/1/2017	12.00	0.00	12.00	485.42		485.42	5,825.00	0.00	5,825.00
		12/2/2017	12.00	0.00	12.00	485.42		485.42	5,825.00	0.00	5,825.00
		12/3/2017	12.00	0.00	12.00	402.50		402.50	4,830.00	0.00	4,830.00
		12/4/2017	12.00	0.00	12.00	402.50		402.50	4,830.00	0.00	4,830.00
		12/5/2017	12.00	0.00	12.00	402.50		402.50	4,830.00	0.00	4,830.00
		12/6/2017	12.00	0.00	12.00	402.50		402.50	4,830.00	0.00	4,830.00
		12/7/2017	12.00	0.00	12.00	402.50		402.50	4,830.00	0.00	4,830.00
		12/8/2017	12.00	0.00	12.00	402.50		402.50	4,830.00	0.00	4,830.00
		12/9/2017	4.00	0.00	4.00	286.25		286.25	1,145.00	0.00	1,145.00

10 Guest Transportation Pickup Report

REPORT NAME	GUEST TRANSPORTATION PICKUP REPORT
SUBJECT AREA	BOOKINGS – RESERVATION
Report Content	
Attribute/Column Name	**SA Folder**
Confirmation Number	Reservation Overview-Details
First Name	Guest Profile-Profiles Individuals Guest Details
Last Name	Guest Profile-Profiles Individuals Guest Details
Arrival Date	Reservation Overview-Details
Arrival Time	Reservation Overview-Details
Number of Nights	Reservation Overview-Details
Departure Date	Reservation Overview-Details
Departure Time	Reservation Overview-Details
Pickup Required Y/N	Additional Information-Transportation
Pick Up Date	Additional Information-Transportation
Pick Up Time	Additional Information-Transportation
Pick Up Type	Additional Information-Transportation
Pick Up Station	Additional Information-Transportation
Pick Up Carrier Code	Additional Information-Transportation
Pick Up Transport Number	Additional Information-Transportation
Pick Up Notes	Additional Information-Transportation
Suggested Filters (Attributes/Columns can be used as a filter to drill down data for reports. Please see the Creating Filters in the Analysis section for further details)	
Attribute/Column Name	**SA Folder**
Property	Property Details
Pick Up Date	Additional Information
Arrival Date	Reservation Overview-Details

Other Suggested Attributes/Columns that are relevant to this report	
Attribute/Column Name	**SA Folder**
Drop Off Date	Additional Information-Transportation
Drop Off Time	Additional Information-Transportation
Drop Off Station	Additional Information-Transportation
Drop Off Notes	Additional Information-Transportation
Drop Off Carrier Code	Additional Information-Transportation
Drop Off Type	Additional Information-Transportation
Drop Off Transport Number	Additional Information-Transportation
Drop Off Required Y/N	Additional Information-Transportation
Adults	Reservation Overview-Stay Details
Children	Reservation Overview-Stay Details

Sample

Confirmation Number	First Name	Last Name	Arrival Date	Arrival Time	# of Nts	Departure Date	Departure Time	Pick Up Date	Pick Up Time	Pick Up Station	Pick Up Carrier Code	Pick Up Transport Number
1014428	First Name	Last Name	4/22/2005	08:39	0	4/22/2005	08:49	4/22/2005	4:30	JFK	CX	806
1032680	First Name	Last Name	4/15/2005	11:11	2	4/17/2005	10:48	4/15/2005	7:00	LGA	AA	525
1071928	First Name	Last Name	4/15/2005	16:11	2	4/17/2005	15:47	4/15/2005	7:00	TTW	AC	660
1230678	First Name	Last Name	4/15/2005	09:20	2	4/17/2005	15:47	4/15/2005	9:30	NWK	DL	757
1239928	First Name	Last Name	4/15/2005	11:05	0	4/15/2005	11:37	4/15/2005	15:55	JFK	JL	304
1279929	First Name	Last Name	4/25/2005	23:48	0	4/25/2005	23:57	4/25/2005	15:55	LGA	SA	205
1324692	First Name	Last Name	4/17/2005	10:40	0	4/17/2005	10:55	4/17/2005	14:36	TTW	GH	2235
1326928	First Name	Last Name	4/18/2005	11:16	0	4/18/2005	16:40	4/18/2005	14:27	NWK	AC	4156
1326929	First Name	Last Name	4/18/2005	11:19	0	4/18/2005	16:39	4/18/2005	17:37	JFK	DL	305

11 Actual Block Rooms Report

REPORT NAME	**ACTUAL BLOCK ROOMS REPORT**
SUBJECT AREA	**BOOKINGS – BLOCK**
Report Content	
Attribute/Column Name	**SA Folder**
Market Code	Details-Block Market
Room Owner Code	Room Details
Start Date	Block Details
End Date	Block Details
Block ID	Block Details
Block Name	Block Details
Room Nights Sold	Block Revenues-Block Summary Potential
Actual Room Nights Sold	Block Revenues-Block Summary Actual
Room Nights Sold Variance	Custom Formula (As Shown Below)
" Block Summary - Actual"."Actual Room Nights Sold"-"Block Summary - Potential"."Room Nights Sold"	
Average Room Rate	Block Revenues-Block Summary Potential
Actual Average Room Rate	Block Revenues-Block Summary Actual
Average Room Rate Variance	Custom Formula (As Shown Below)
" Block Summary - Actual"."Actual Average Room Rate"-"Block Summary - Actual"."Actual Average Room Rate"	
Room Revenue	Block Revenues-Block Summary Potential
Actual Room Revenue	Block Revenues-Block Summary Actual
Room Revenue Variance	Custom Formula (As Shown Below)
" Block Summary - Actual"."Actual Room Revenue"-" Block Summary - Potential"."Room Revenue"	
Suggested Filters (Attributes/Columns can be used as a filter to drill down data for reports. Please see the Creating Filters in the Analysis section for further details)	
Attribute/Column Name	**SA Folder**

Property	Property
Start Date	Details-Block Details
Block Status	Details-Block Details(Block Status = “Actual”)

Sample

Mkt Code	Rm Own Code	Start Date	End Date	Blk ID	Blk Name	Rm Nts Sold	Actual Rm Nts Sold	Rm Nts VAR	Avg Rm Rate	Actual Avg Rm Rate	Avg Rm Rate VAR	Rm Rev	Actual Rm Rev	Rm Rev VAR
AD	ALL	4/8/2020	4/9/2020	220343	Block 1	120	130	10	26.67	25.69	-0.97	3,200	3340	140.00
AD	ALL	6/6/2020	6/7/2020	220389	Block 2	10	5	-5	67.50	134.40	66.90	675	672	-3.00
AD	ALL	1/2/2021	2/6/2021	220365	Block 3	16	15	-1	31.00	33.07	2.07	496	496.00	0.00
AD	ALL		2/1/2021	220360	Block 4	22	21	-1	165.45	165.48	0.02	3,640	3,475.00	-165.00
AD	ALL	2/3/2021	2/4/2021	220371	Block 5	299	301	2	199.16	205.98	6.82	59,550	62,000.00	2,450.00
AD	ALL	1/1/2022	1/4/2022	220377	Block 6	2	1	-1	150.00	150.00	0.00	300	150.00	-150.00
AD	ALL			220377	Block 7	1	3	2	150.00	51.67	-98.33	150	155	5.00
AD	ALL		2/9/2021	220377	Block 8	1	1	0	150.00	155.00	5.00	150	155	5.00
AD	ALL	2/1/2021	3/1/2021	220372	Block 9	92	94	2	255.00	254.79	-0.21	23,460	23,950.00	490.00

12 Event Forecast Report

REPORT NAME	EVENT FORECAST REPORT
SUBJECT AREA	CATERING – EVENT FORECAST

Report Content	
Attribute/Column Name	**SA Folder**
Event Forecast ID	Details
Event Type	Event Types
Booking Type	Event Types
Market Code	Event Types
Revenue Type	Event Forecast Revenue
Revenue Amount	Event Forecast Revenue

Suggested Filters (Attributes/Columns can be used as a filter to drill down data for reports. Please see the Creating Filters in the Analysis section for further details)

Attribute/Column Name	SA Folder
Property	Property Details
Forecast Begin Date	Details
Forecast End Date	Details

Other Suggested Attributes/Columns that are relevant to this report

Attribute/Column Name	SA Folder
Event Type Description	Event Types
Booking Type Description	Event Types
Market Code Description	Event Types
Revenue Type Description	Event Forecast Revenue

Sample

Forecast Begin Date	1/1/2008	Forecast End Date	12/31/2008

HUNGARY

Event Forecast ID	Event Type	Event Type Description	Booking Type	Market Code	Revenue Type	Revenue Type Description	Revenue Amount

10495	CKT	Cocktail			AUDIO VISUAL	Audio Visual	15.00
10495					BEV	Beverage	25.00
10495					FOOD	Food	50.00
10495					LABOR	Labor Revenue	10.00
10495 Total							**100.00**

All Sections

Event Forecast ID	Event Type	Event Type Description	Booking Type	Market Code	Revenue Type	Revenue Type Description	Revenue Amount
10495	CKT	Cocktail			AUDIO VISUAL	Audio Visual	15.00
10495					BEV	Beverage	25.00
10495					FOOD	Food	50.00
10495					LABOR	Labor Revenue	10.00
10495 Total							**100.00**

13 Changes Log Report

REPORT NAME	CHANGES LOG REPORT
SUBJECT AREA	CHANGES LOG
Report Content	
Attribute/Column Name	**SA Folder**
Action Type	Change Log Details
Action ID	Change Log Details
User ID	Change Log Details
User Name	Change Log Details
Action Time	Change Log Details
Description	Change Log Details
Activity Name	Change Log Details
Suggested Filters (Attributes/Columns can be used as a filter to drill down data for reports. Please see the Creating Filters in the Analysis section for further details)	
Attribute/Column Name	**SA Folder**
Property	Property
Action Date	Change Log Details
Action Group	Change Log Details
Other Suggested Attributes/Columns that are relevant to this report	
Attribute/Column Name	**SA Folder**
Confirmation No	Reservation
Block Code	Block
Block Name	Block
Event Name	Event
Event Type	Event
Sample	

Property	CTESTPRO	Action Group	ACTIVITY	Action Date	10/17/2022	
Action ID	Action Type	User ID	User Name	Action Time	Description	Activity Name
2225021096	UPDATE ACTIVITY	103021	AGENT1	01:31:20 PM	UPDATE ACTIVITY	Booking Review
2225021507	CREATE ACTIVITY	103021	AGENT2	01:06:56 PM	CREATE ACTIVITY	Booking Review Update
2225021508	UPDATE ACTIVITY	103021	AGENT3	01:06:56 PM	UPDATE ACTIVITY	Booking Review Update
2225021509	UPDATE ACTIVITY	103021	AGENT1	01:06:56 PM	UPDATE ACTIVITY	Booking Review Update
2225021510	UPDATE ACTIVITY	103021	AGENT2	01:06:56 PM	UPDATE ACTIVITY	Booking Review Update
2225021513	CREATE ACTIVITY	103021	AGENT3	01:08:12 PM	CREATE ACTIVITY	Booking Review
2225021516	UPDATE ACTIVITY	103021	AGENT1	01:09:22 PM	UPDATE ACTIVITY	Booking Review Update
2225021526	UPDATE ACTIVITY	103021	AGENT2	01:10:02 PM	UPDATE ACTIVITY	Booking Review Update
2225021685	UPDATE ACTIVITY	103021	AGENT3	01:28:53 PM	UPDATE ACTIVITY	Booking Review Update
2225021686	UPDATE ACTIVITY	103021	AGENT1	01:29:20 PM	UPDATE ACTIVITY	Booking Review Update
2225021698	UPDATE ACTIVITY	103021	AGENT2	01:31:20 PM	UPDATE ACTIVITY	Booking Review
2225025334	CREATE ACTIVITY	103021	AGENT3	06:50:26 PM	CREATE ACTIVITY	Booking Review

14 History and Forecast Report

REPORT NAME	HISTORY AND FORECAST REPORT
SUBJECT AREA	STATISTICS – HISTORY AND FORECAST
Report Content	
Attribute/Column Name	**SA Folder**
Total Occ	Room Details
Arrival Rooms	Room Details
Complimentary Room Nights	Room Details
House Use	Room Details
Deduct Individual Rooms	Room Details
Non-Deduct Individual Rooms	Room Details
Deduct Group Rooms	Room Details
Non-Deduct Group Rooms	Room Details
Occ%	Room Details
Room Revenue	Revenue Details
Average Rate	Revenue Details
Departure Rooms	Room Details
Day-Use Rooms	Room Details
No-Show Rooms	Room Details
OOO Rooms	Room Details
Number of Guests	Guest Details
Suggested Filters (Attributes/Columns can be used as a filter to drill down data for reports. Please see the Creating Filters in the Analysis section for further details)	
Attribute/Column Name	**SA Folder**
Property	Property Details
Business Date	Date-Calendar
Other Suggested Attributes/Columns that are relevant to this report	

Attribute/Column Name	SA Folder
Adults	Guest Details
Children	Guest Details
Arrival Persons	Guest Details
Departure Persons	Guest Details
Market Code	Marketing
Source Code	Marketing
Origin Code	Marketing
Food Revenue	Revenue Details
Other Revenue	Revenue Details
Total Revenue	Revenue Details
Total Physical Rooms	Room Details
Single Occupancy Rooms	Room Details
Multiple Occupancy Rooms	Room Details
Cribs	Room Details
Extra Beds	Room Details

Sample

	Date	Total Occ	Arr Rms	Comp Rm Nts	Hse Use	Occ%	Room Revenue	Avg Rate	Dep Rms	Day-Use Rms	No-Show Rms	OOO Rms	# of Guests
APR	4/1/2021	99	41	1	0	99.00%	$12,896.40	$130.27	3	1	0	0	9
	4/2/2021	100	32	0	0	100.00%	$14,502.00	$145.02	1	0	0	0	11
APR Total		**199**	73	**1**	**0**	**99.00%**	**$27,391.02**	**$137.64**	**4**	**1**	**0**	**0**	**20**
MAR	3/19/2021	76	15	0	1	76.00%	$9,445.28	$124.28	4	4	1	0	0
	3/20/2021	84	24	0	0	84.00%	$10,907.40	$129.85	1	1	0	0	0
	3/21/2021	83	3	0	0	83.00%	$10,759.29	$129.63	0	0	0	0	2

15 Room Maintenance Report

REPORT NAME	ROOM MAINTENANCE REPORT
SUBJECT AREA	INVENTORY – ROOMS MANAGEMENT

Report Content

Attribute/Column Name	SA Folder
Room	Rooms
Room Type	Rooms
Room Status	Rooms
Maintenance Reason	Maintenance Details
Maintenance Reason Description	Maintenance Details
Created On	Maintenance Details
Created By	Maintenance Details
Assigned User	Maintenance Details
Updated On	Maintenance Details
Updated By	Maintenance Details
Resolved On	Maintenance Details
Resolved By	Maintenance Details
Resolved	Maintenance Details
Remarks	Maintenance Details

Suggested Filters (Attributes/Columns can be used as a filter to drill down data for reports. Please see the Creating Filters in the Analysis section for further details)

Attribute/Column Name	SA Folder
Property	Property Details

Sample

Rm	Rm Type	Rm Status	Maintenance Reason	Maintenance Reason Description	Created On	Created By	Assigned User	Remarks	Updated On	Updated By	Resolved
100	STDK	IP	BEST PRO	best pro	10/31/17	HSKMGR	HSK1	best pro	10/31/17	HSKMGR	N
1001	STDK	OS	CARPET	Replace Carpet	10/31/17	HSKMGR	HSK1	Replace Carpet	10/31/17	HSKMGR	N
			FKK	fkk	11/22/17	HSKMGR	HSK2	fkk update	11/22/17	HSKMGR	N

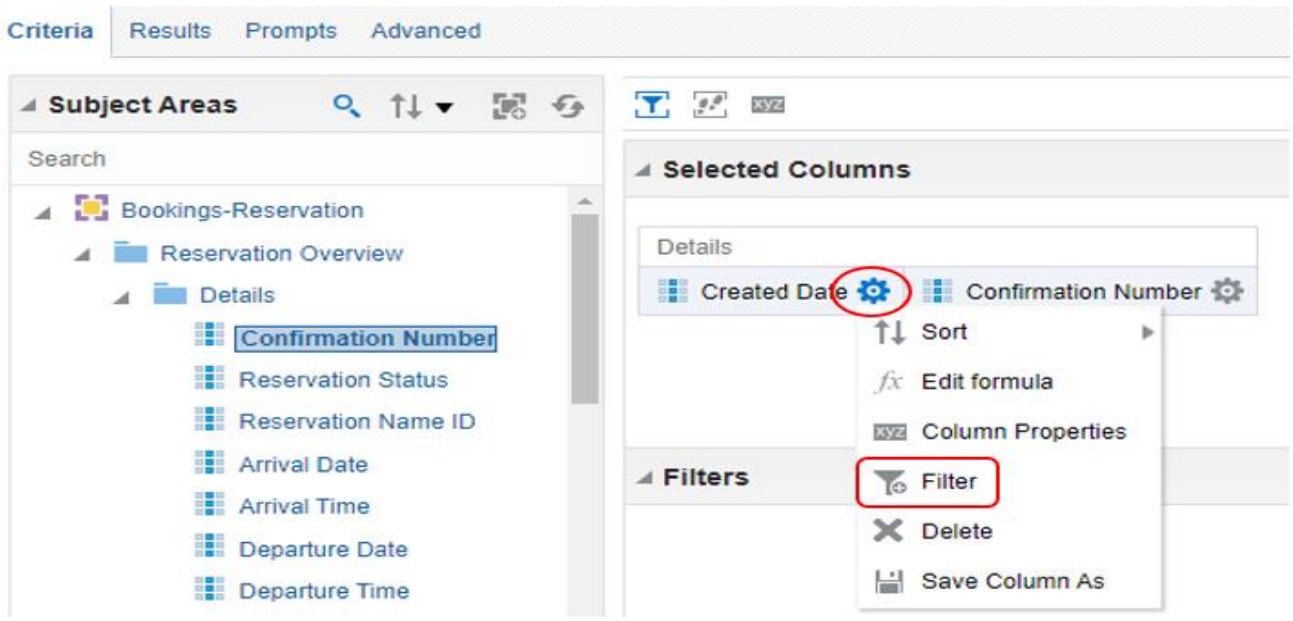
1002	STDK	OS	CARPET	Replace Carpet	11/3/17	HSKMGR	HSK2	Replace Carpet - All hands testing	11/3/17	HSKMGR	N
			FKK	fkk	10/31/17	HSKMGR	HSK1	fkk	10/31/17	HSKMGR	N
1004	STDK	OS	FKK	fkk	11/22/17	HSKMGR	HSK1	fkk	11/22/17	HSKMGR	N
1006	STDK	CL	CARPET	Replace Carpet	11/22/17	HSKMGR	HSK1	Replace Carpet	11/22/17	HSKMGR	N
1007	STDK	CL	CARPET	Replace Carpet	11/22/17	HSKMGR	HSK2	Replace Carpet	11/22/17	HSKMGR	N
1009	STDK	DI	CARPET	Replace Carpet	12/16/17	HSKMGR	HSK3	Replace Carpet	12/16/17	HSKMGR	N
1013	STDK	IP	CARPET	Replace Carpet	12/16/17	HSKMGR	HSK2	Guest with pet carpet spoilt	12/16/17	HSKMGR	N

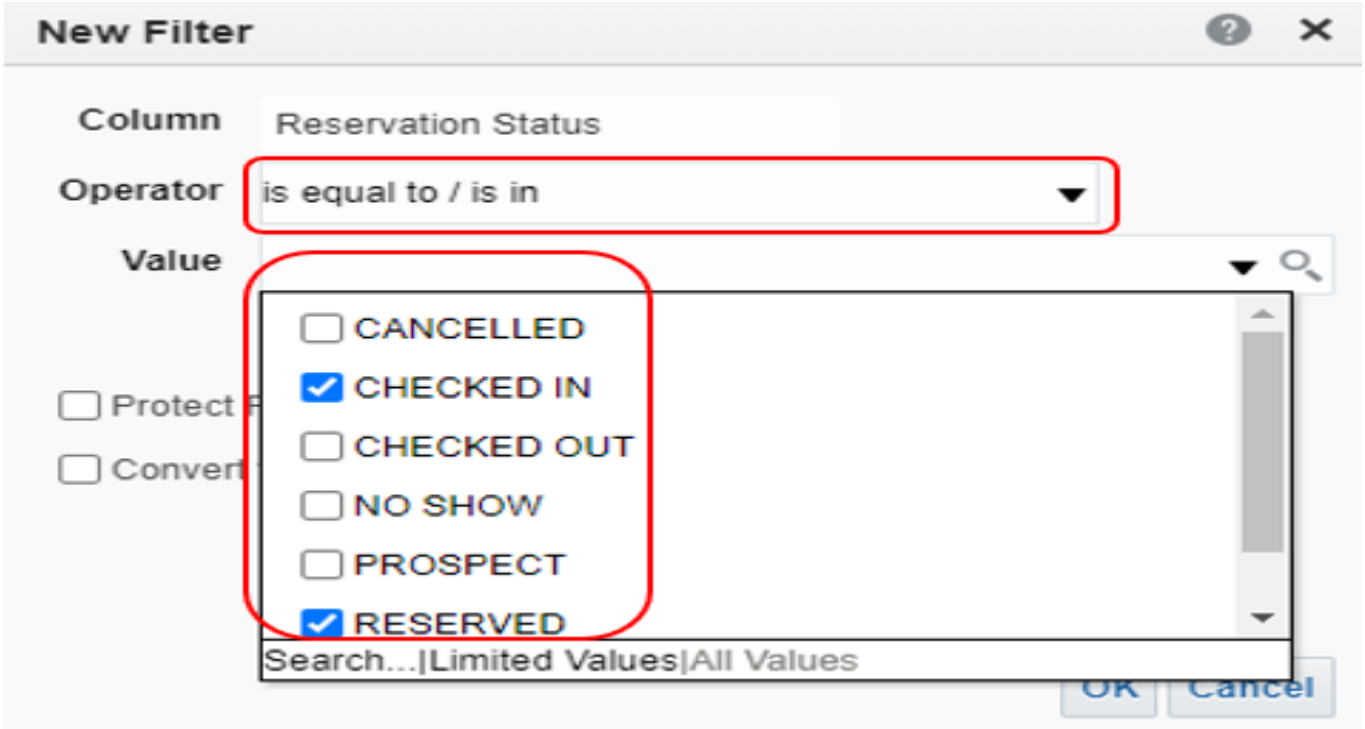
16 Filters, Useful Custom Functions

There are various functions and formulas that are available for users to manipulate data results. Below are some of the most common and useful functions.

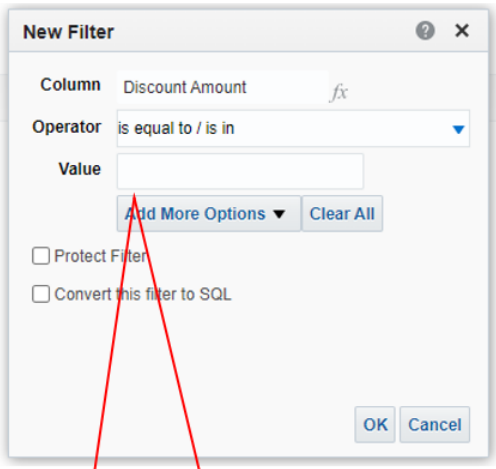
Creating Filters in the Analysis

Users can add filters to an analysis for more relevant data. Such as using a filter to pull reservations with “NO SHOW” status only for a No Show report. The filter will affect the output result of the analysis.

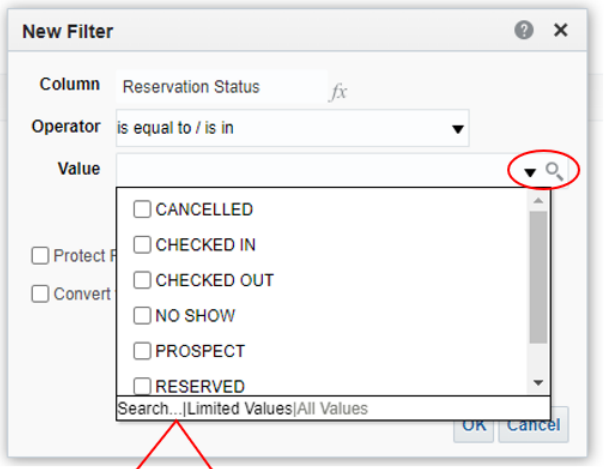
FUNCTION/FORMULAS	ANALYSIS FILTER
Description	Filtering results in an analysis
Use Case	Filter reservations that are in either “Checked in” or “Reserved” status.
Click on the Settings icon next to the Attribute and select “Filter”.	
	
Select the appropriate operator.	



Select or enter the desired Value. Note: Dimension attributes will provide a list of available values whereas Meaure attributes will require user to input a value.

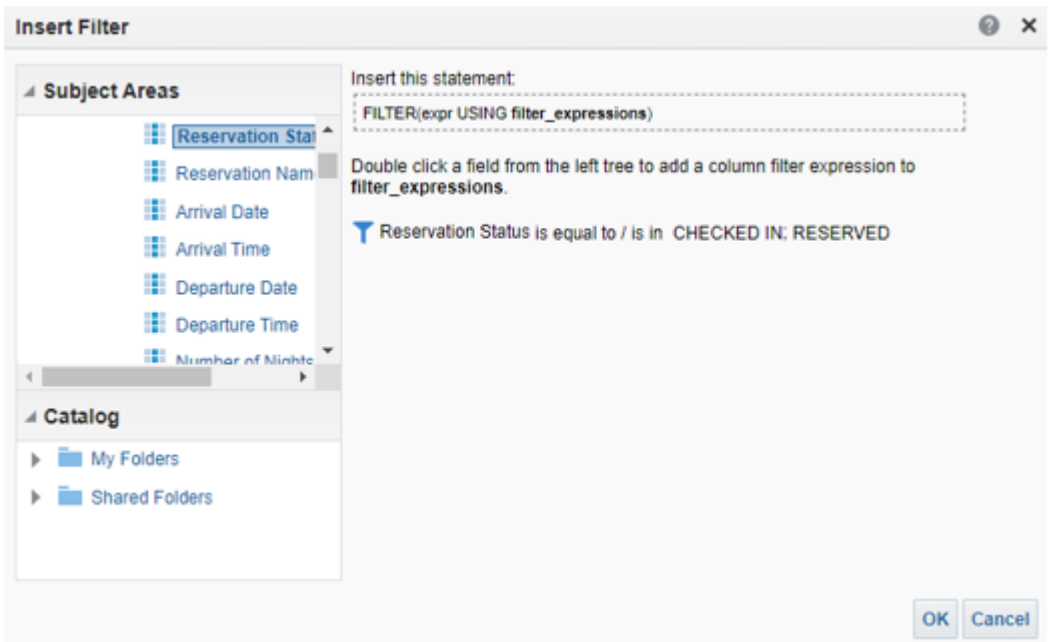


If the attribute used for the filter is a Measure, then a value/values must be entered

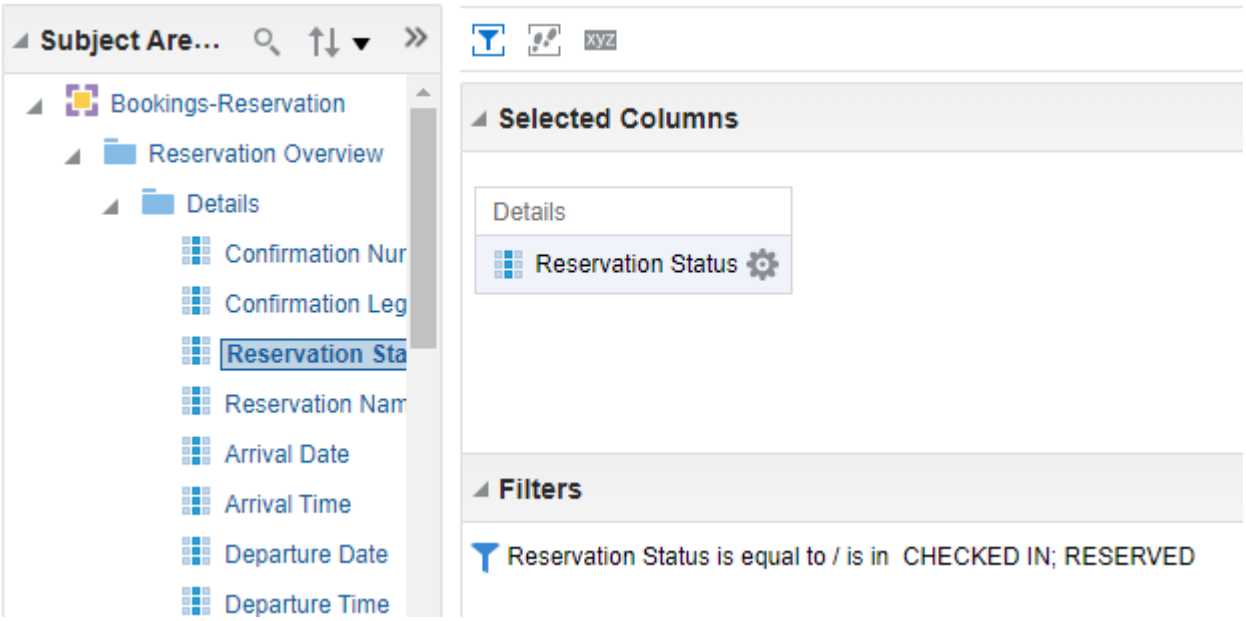


If the attribute used for the filter is a Dimension, user can use the drop down menu or the search function to look for the specific choice/s to select

Verify filter expression and click “OK”.



The filter is now visible in the Filter section.



See below for the analysis output.

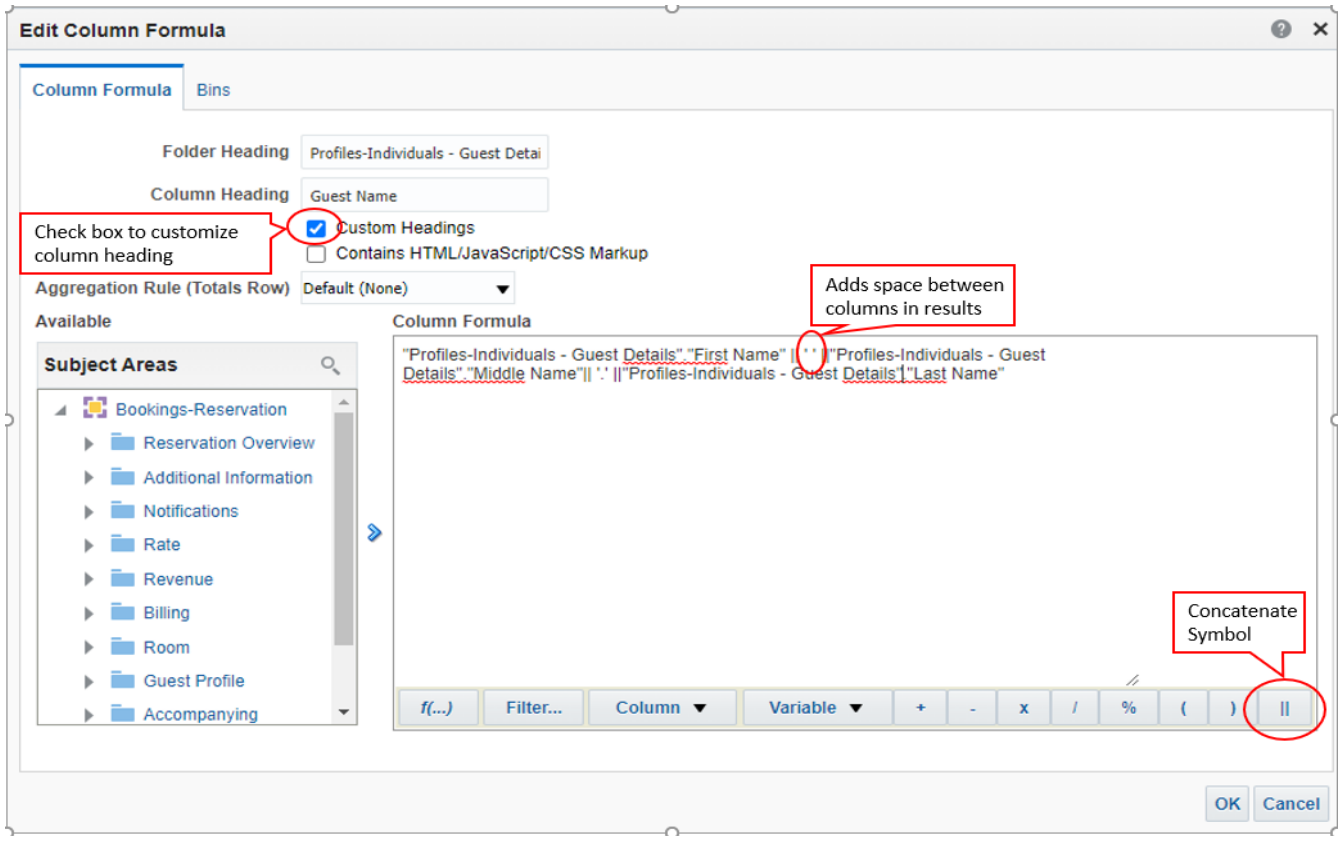
Reservation Status	Arrival Date	Departure Date	Confirmation Number
CHECKED IN	4/23/2003	12/31/2003	3314997
	4/15/2005	4/16/2005	1280439
			1653686
			1653687
			1653688
RESERVED	4/23/2004	4/29/2004	2955848
			2955849

Creating Filters in the Attribute/Column

Users can add filters to an attribute/Column which will only affect the output result of the filtered attribute attribute/column. There are many use cases in attribute filters. The following are some of the most highly used and recommended examples.

Concatenate

FUNCTION/FORMULAS	CONCATENATE
Description	Combing multiple values into one column
Use Case	Display First Name, Middle Name and Last Name in one column
Formula	
Profiles-Individuals - Guest Details."First Name" || ' ' ||"Profiles-Individuals - Guest Details"."Middle Name"|| '.' ||"Profiles-Individuals - Guest Details"."Last Name"	
Example	



Notes

In this example, the attribute used is First Name. By checking the 'Custom Headings' check box, user can change the heading from 'First Name' to 'Guest Name'. See below for sample output.

Guest Name	First Name	Middle Name	Last Name	Reservation Status	Reservation Type
AAA B. CCCCC	AAA	B	CCCCC	RESERVED	6PM
First M. Last	First	M	Last	RESERVED	6PM

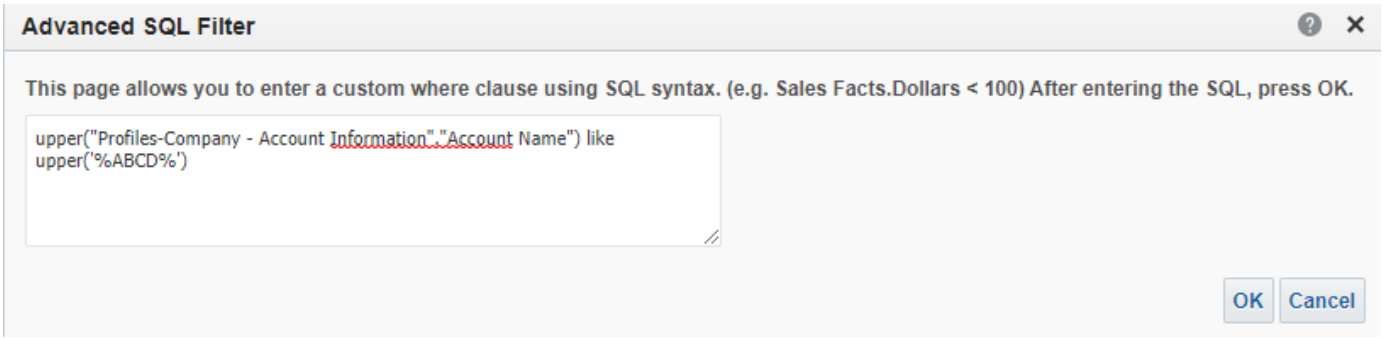
Upper Case Filter

FUNCTION/FORMULAS	UPPER CASE FILTER
Description	Creating a filter to search for record regardless of upper/lower case
Use Case	Even though the filtered name is in upper case, the search result will display match that is in lower case

Formula

upper("Folder Name"."Attribute Name") like upper('%Name in Upper Case%')

Example



Notes

In this example, we are filtering the account name: ABCD.
In the filter window, check the "Convert this filter to SQL" box and click OK.
Replace the original formula with the formula below and click OK.
upper("Profiles-Company - Account Information"."Account Name") like upper('%ABCD%')
The result will display account names that match "ABCD" regardless of upper or lower case.

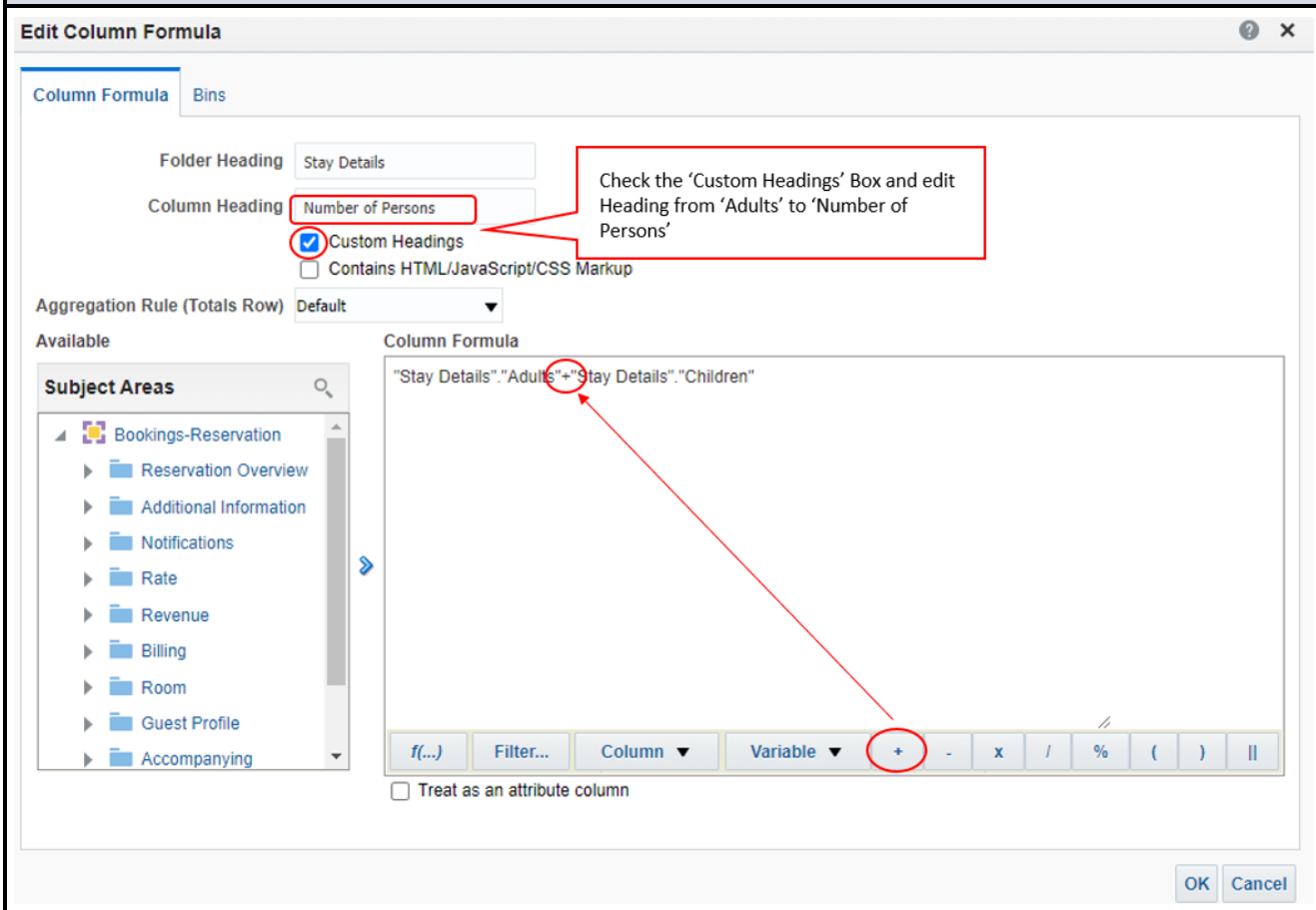
Account Name	Property	Business Date	Confirmation Number	Room Revenue
abcd	ZHOTEL	2/4/2007	2348800	200.00
			2348803	300.00
			2349541	300.00
ABCD	ZHOTEL	8/15/2007	2568923	200.00
ABcd	ZHOTEL	12/3/2007	1858522	200.00
abCD	ZHOTEL	5/6/2007	2543827	200.00

Mathematical Formulas

Mathematical Formulas can be used to calculate specific results such as Average Rate, Total number of adults and children, etc. These calculations can be embedded in attributes to be displayed in the analysis.

FUNCTION/FORMULAS	CALCULATIONS
Description	Performing mathematical calculations in attributes
Use Case	To display results such as total number of persons, average rates, combined revenue, etc.

Example 1



Notes

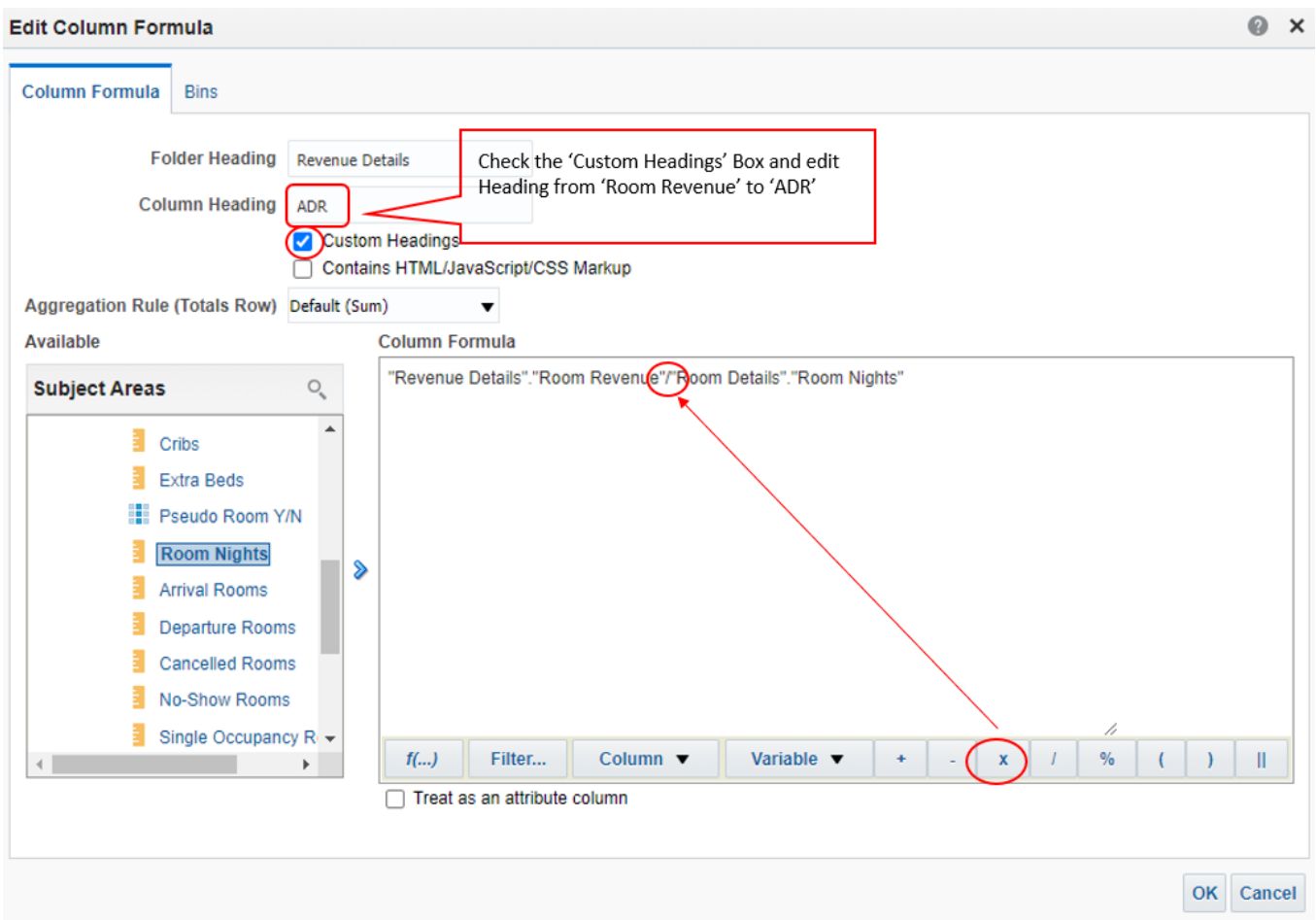
In this example, the 'Adults' attribute is used to combine with 'Children' so the column will display the total number of persons in the reservation. See below for results. The 'Adults' and 'Children' columns are added as reference. They are not required to be in the analysis.

Title

Table

Arrival Date	Departure Date	Confirmation Number	Adults	Children	Number of Persons
8/21/2018	8/22/2018	28297	2	1	3

Example 2



Notes

In this example, The 'Room Revenue' attribute is used and divided by the 'Room Nights' attribute in order to display the Average Daily Rate. See below for results. The 'Room Rvenue' and 'Room Nights' columns are added as reference. They are not required to be in the analysis.

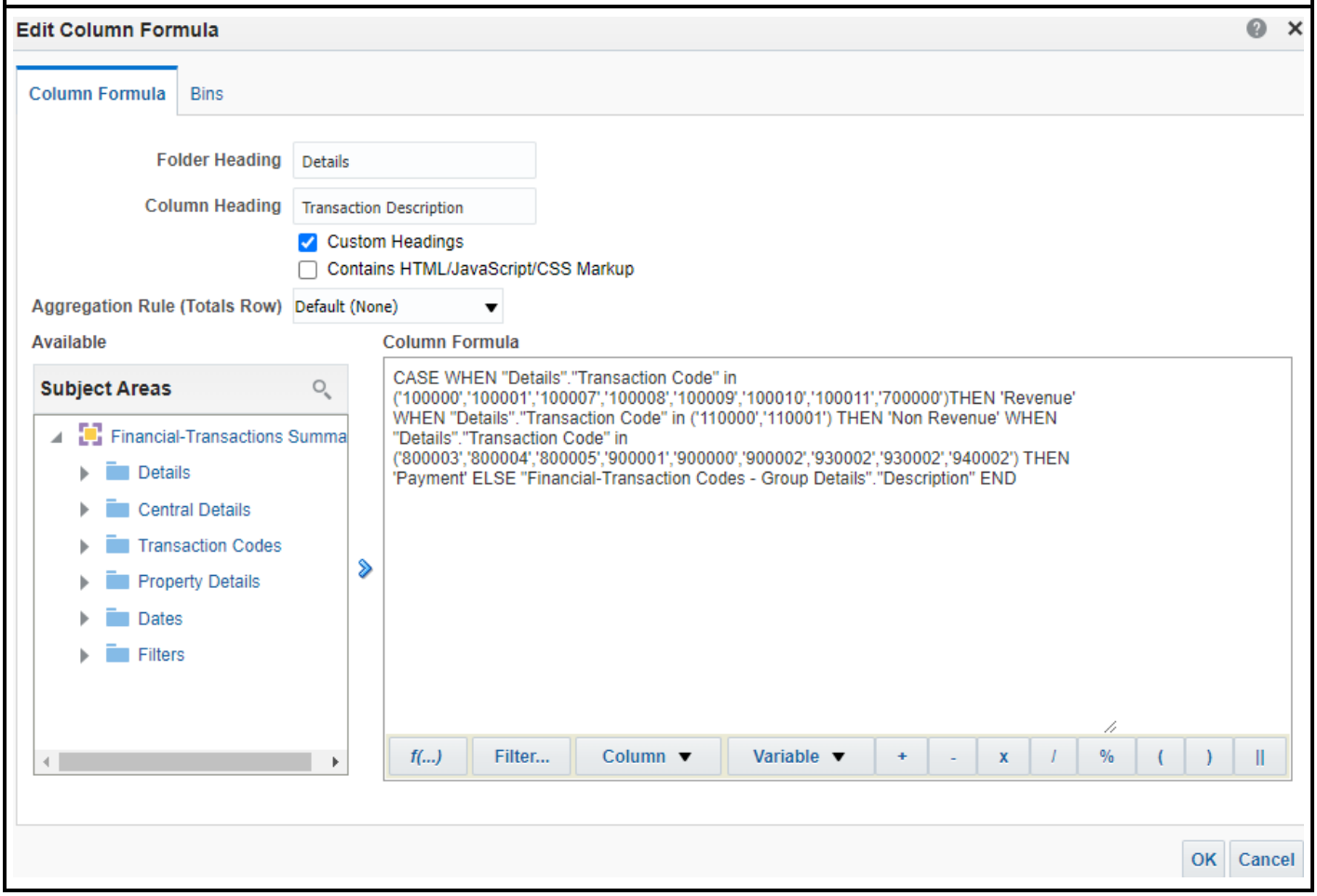
Table

Business Date	Room Revenue	Room Nights	ADR
8/21/2018	33,649.60	66	509.84
8/22/2018	27,406.21	36	761.28
8/23/2018	25,655.57	32	801.74
8/24/2018	3,046.18	6	507.70
8/25/2018	39,888.81	12	3,324.07
8/26/2018	29,582.74	19	1,556.99

Case When Function

The CASE WHEN expression goes through conditions and returns a value when the first condition is met (like an if-then-else statement). So, once a condition is true, it will stop reading and return the result. If no conditions are true, it returns the value in the “ELSE” clause. If there is no “ELSE” part and no conditions are true, it returns NULL.

FUNCTION/FORMULAS	CASE WHEN
Description	Looks for values based on specific conditions
Use Case	Using the ‘Case When’ function to funnel results to different destinations.
Example	
CASE WHEN "Details"."Transaction Code" in ('100000','100001','100007','100008','100009','100010','100011','700000')THEN 'Revenue' WHEN "Details"."Transaction Code" in ('110000','110001') THEN 'Non Revenue' WHEN "Details"."Transaction Code" in ('800003','800004','800005','900001','900000','900002','930002','930002','940002') THEN 'Payment' ELSE "Financial-Transaction Codes - Group Details"."Description" END	



Notes

In this example, if the transaction code is 100000, 100001, 100007, 100008, 100009, 100010,100011 or 700000, it will be listed as 'Revenue'. If the transaction code is 110000 or 110001, it will be listed as 'Non Revenue'. If the transaction code is 800003, 800004, 800005, 900001, 900000, 900002, 930002, 930002 or 940002, it will be listed as 'Payment'. Otherwise, all other transaction codes will be listed as their own respective Transaction Group Description. See below for the resulted analysis.

Transaction Description	Transaction Code	Guest Ledger Credit	Guest Ledger Debit	Deposit Ledger Credit	Deposit Ledger Debit
Non Revenue	110000	0.00	134.00	0.00	0.00
	110000	0.00	335.00	0.00	0.00
	110001	0.00	107.00	0.00	0.00
Revenue	100000	0.00	167.00	0.00	0.00
	100001	0.00	620.00	0.00	0.00
	100007	0.00	212.00	0.00	0.00
	100008	0.00	138.00	0.00	0.00
	100009	0.00	355.00	0.00	0.00
	100010	0.00	200.00	0.00	0.00
	100011	0.00	780.00	0.00	0.00
	700000	0.00	982.00	0.00	0.00
Business Center	321000	0.00	25.00	0.00	0.00
	321001	0.00	17.50	0.00	0.00
Payment	800003	1,076.00	0.00	184.00	0.00
	930002	567.20	0.00	267.58	0.00
	800004	128.50	0.00	325.22	0.00
	800005	1,281.00	0.00	3,086.00	0.00
	900001	-204.79	0.00	843.00	0.00
	900000	100.00	0.00	0.00	0.00
	940002	600.00	0.00	100.00	0.00

Date Formulas

FUNCTION/FORMULAS	DATES
Description	Specifying dates based on current date in filters or attributes
Use Case	To display results from past dates such as yesterday, last week, last month, last year or past 30 days, etc.
Dates	**Formula**
Today's system Date	current_date
Yesterday	timestampadd(sql_tsi_day,-1,current_date)
Last Week	timestampadd(sql_tsi_week,-1,current_date)
Last Month	timestampadd(sql_tsi_month,-1, current_date)
Last Year	timestampadd(sql_tsi_year,-1,current_date)
Tomorrow	timestampadd(sql_tsi_day,1,current_date)
Next Week	timestampadd(sql_tsi_week,1,current_date)
Next Month	timestampadd(sql_tsi_month,1, current_date)
Next Year	timestampadd(sql_tsi_year,1,current_date)
Past XXX Number of Days	between timestampadd(sql_tsi_day,-XXX,current_date) and current_date
Next XXX Number of Days	between current_date and timestampadd(sql_tsi_day,XXX,current_date)
Last Year	between timestampadd(sql_tsi_day , extract(day_of_year from current_date) * -(1) + 1, current_date) and timestampadd(sql_tsi_year, 1, timestampadd(sql_tsi_day , -1, timestampadd(sql_tsi_day , extract(day_of_year from current_date) * -(1) + 1, current_date)))
Month to Date (MTD)	BETWEEN TIMESTAMPADD (SQL_TSI_DAY, (DAYOFMONTH (CURRENT_DATE) * -1) + 1, CURRENT_DATE) and timestampadd(sql_tsi_day,-1,current_date)))
Year to Date (YTD)	BETWEEN TIMESTAMPADD(SQL_TSI_DAY , EXTRACT(DAY_OF_YEAR FROM CURRENT_DATE) * -(1) + 1, CURRENT_DATE) AND timestampadd(sql_tsi_day,-1,current_date)))

Example 1

Advanced SQL Filter

This page allows you to enter a custom where clause using SQL syntax. (e.g. Sales Facts.Dollars < 100) After entering the SQL, press OK.

```
"Filters"."Business Date" = timestampadd(sql_tsi_year,-1,current_date)
```

OK Cancel

Compound Layout

Title

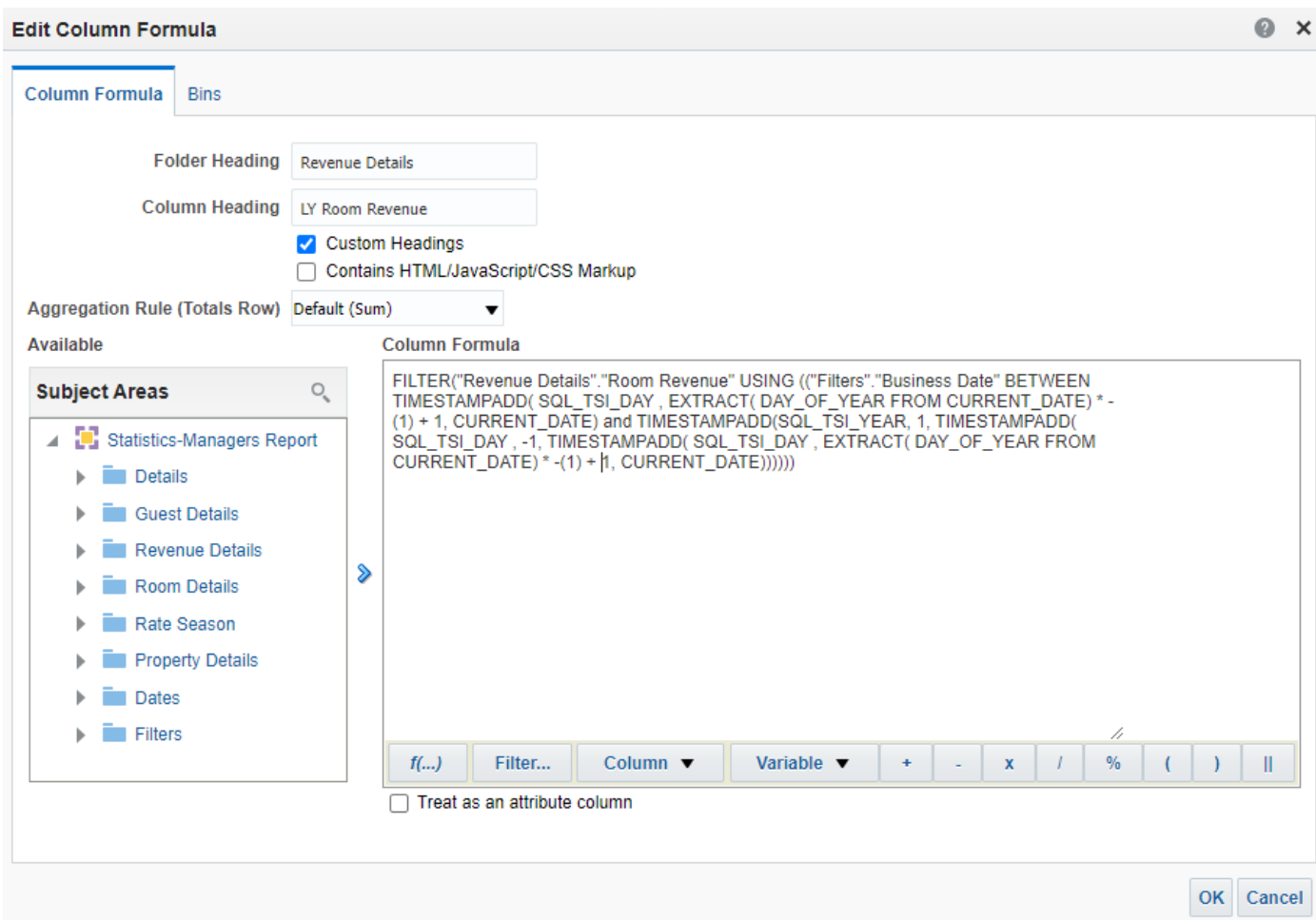
Table

Business Date	Room Revenue	F&B Revenue	Other Revenue	Total Revenue
8/30/2018	92,009.67	1,200.00	2,244.78	95,454.45

Notes

In example 1, the 'Business Date' attribute is used as a filter and the result is set to display data on Last Year today.

Example 2



Business Date	Room Revenue	Revenue LY	Occupied Rooms	Occupied Rooms LY	Occupancy %	Occupancy % LY	ADR	ADR LY
7/22/2022	$145,758.25	$70,249.25	455	250	91.00%	50.00%	320.35	281.00
7/23/2022	$151,256.61	$50,647.55	395	261	79.00%	52.20%	382.93	194.05
7/24/2022	$147,867.82	$66,575.12	421	273	84.20%	54.60%	351.23	243.86
7/25/2022	$146,674.55	$71,234.63	419	284	83.80%	56.80%	350.06	250.83
7/26/2022	$147,552.85	$71,000.12	419	285	83.80%	57.00%	352.15	249.12

Notes

In example 2, the “room revenue” attribute is used and a custom formula is entered to filter room revenue from last year’s same date YTD.

Other Formula Functions

FUNCTION/FORMULAS			INSERT FUNCTION
Description			There are different functions users can choose to customize formulas. Below is the complete list of formula functions and use cases.
Function Name	**Description**	**Syntax**	**Conditions**
Aggregate at	Aggregates columns based on the level or levels you specify.	AGGREGATE(measure AT level [, level1, levelN])	measure is the name of a measure column. level is the level at which you want to aggregate. You can optionally specify more than one level.
Avg	Calculates the average (mean) value of an expression in a result set.	Avg(expr)	expr is any expression that evaluates to a numerical value.
AvgDistinct	Calculates the average (mean) of all distinct values of an expression.	Avg(DISTINCT expr)	
Bin	Classifies a given numeric expression into a specified number of equal width buckets. The function can return either the bin number or one of the two end points of the bin interval.	BIN(numeric_expr [BY grain_expr1, ..., grain_exprN] [WHERE condition] INTO number_of_bins BINS [BETWEEN min_value AND max_value] [RETURNING {NUMBER | RANGE_LOW | RANGE_HIGH}])	Numeric_expr is the measure or numeric attribute to bin BY grain_expr1, ..., grain_exprN is a list of expressions that define the grain at which the numeric_expr will be calculated. BY is required for measure expressions and is optional for attribute expressions. WHERE a filter to apply to the numeric_expr before the numeric values are assigned to bins INTO number_of_bins BINS is the number of bins to return BETWEEN min_value AND max_value is the min and max values used for the end points of the outermost bins RETURNING NUMBER indicates that the return value should be

			the bin number (1, 2, 3, 4, etc.). This is the default. RETURNING RANGE_LOW indicates the lower value of the bin interval RETURNING RANGE_HIGH indicates the higher value of the bin interval
BottomN	Ranks the lowest n values of the expression argument from 1 to n, 1 corresponding to the lowest numerical value.	BottomN(expr, integer)	expr is any expression that evaluates to a numerical value. integer is any positive integer. Represents the bottom number of rankings displayed in the result set, 1 being the lowest rank.
Count	Calculates the number of rows having a non-null value for the expression.	COUNT(expr)	expr is any expression.
CountDistinct	Adds distinct processing to the Count function.	COUNT(DISTINCT expr)	expr is any expression.
Count*	Counts the number of rows.	COUNT(*)	
Mavg	Calculates a moving average (mean) for the last n rows of data, inclusive of the current row.	MAVG(expr, integer)	expr is any expression that evaluates to a numerical value. integer is any positive integer. Represents the average of the last n rows of data.
Max	Calculates the maximum value (highest numeric value) of the rows satisfying the numeric expression argument.	MAX(expr)	expr is any expression that evaluates to a numerical value.
Median	Calculates the median (middle) value of the rows satisfying the numeric expression argument.	MEDIAN(expr)	expr is any expression that evaluates to a numerical value.

Ntile	Determines the rank of a value in terms of a user-specified range. It returns integers to represent any range of ranks. NTile with numTiles=100 returns what is commonly called the "percentile" (with numbers ranging from 1 to 100, with 100 representing the high end of the sort).	NTILE(expr, numTiles)	expr is any expression that evaluates to a numerical value. numTiles is a positive, nonnull integer that represents the number of tiles.
Min	Calculates the minimum value (lowest numeric value) of the rows satisfying the numeric expression argument.	MIN(expr)	expr is any expression that evaluates to a numerical value.
Percentile	Calculates a percentile rank for each value satisfying the numeric expression argument. The percentile rank ranges are between 0 (0th percentile) to 1 (100th percentile).	PERCENTILE(expr)	expr is any expression that evaluates to a numerical value.
Rank	Calculates the rank for each value satisfying the numeric expression argument. The highest number is assigned a rank of 1, and each successive rank is assigned the next consecutive integer (2, 3, 4,...). If certain values are equal, they are assigned the same rank (for example, 1, 1, 1, 4, 5, 5, 7...).	RANK(expr)	expr is any expression that evaluates to a numerical value.

StdDev	Returns the standard deviation for a set of values.	STDDEV(expr)	expr is any expression that evaluates to a numerical value.
Sum	Calculates the sum obtained by adding up all values satisfying the numeric expression argument.	SUM(expr)	expr is any expression that evaluates to a numerical value.
SumDistinct	Calculates the sum obtained by adding all of the distinct values satisfying the numeric expression argument.	Sum(DISTINCT expr)	expr is any expression that evaluates to a numerical value.
TopN	Ranks the highest n values of the expression argument from 1 to n, 1 corresponding to the highest numerical value.	TOPN(expr, integer)	expr is any expression that evaluates to a numerical value. integer is any positive integer. Represents the top number of rankings displayed in the result set, 1 being the highest rank.
MAVG	Calculates a moving average (mean) for the last n rows of data in the result set, inclusive of the current row.	MAVG (expr, integer)	expr is any expression that evaluates to a numerical value. integer is any positive integer. Represents the average of the last n rows of data.
MSUM	Calculates a moving sum for the last n rows of data, inclusive of the current row.	MSUM (expr, integer)	expr is any expression that evaluates to a numerical value. integer is any positive integer. Represents the sum of the last n rows of data.
RSUM	Calculates a running sum based on records encountered so far.	RSUM(expr)	expr is any expression that evaluates to a numerical value.
RCOUNT	Takes a set of records as input and counts the number of records encountered so far.	RCOUNT(expr)	expr is an expression of any datatype.

RMAX	Takes a set of records as input and shows the maximum value based on records encountered so far.	RMAX(expr)	expr is an expression of any datatype.
RMIN	Takes a set of records as input and shows the minimum value based on records encountered so far.	RMIN(expr)	expr is an expression of any datatype.
ASCII	Converts a single character string to its corresponding ASCII code, between 0 and 255.	ASCII(expr)	expr is any expression that evaluates to a character string.
Bit_Length	Returns the length, in bits, of a specified string. Each Unicode character is 2 bytes in length, which is equal to 16 bits.	BIT_LENGTH(expr)	expr is any expression that evaluates to a character string.
Char	Converts a numerical value between 0 and 255 to the character value corresponding to the ASCII code.	CHAR(expr)	expr is any expression that evaluates to a numerical value between 0 and 255.
Char_Length	Returns the length, in number of characters, of a specified string.	CHAR_LENGTH(expr)	expr is any expression that evaluates to a character string.
Concat	Concatenates two character strings.	CONCAT(expr1, expr2)	exprs are expressions that evaluate to character strings, separated by commas.

Insert	Inserts a specified character string into a specified location in another character string.	INSERT(expr1, integer1, integer2, expr2)	expr1 is any expression that evaluates to a character string. Identifies the target character string. integer1 is any positive integer that represents the number of characters from the beginning of the target string where the second string is to be inserted. integer2 is any positive integer that represents the number of characters in the target string to be replaced by the second string. expr2 is any expression that evaluates to a character string. Identifies the character string to be inserted into the target string.
Left	Returns a specified number of characters from the left of a string.	LEFT(expr, integer)	expr is any expression that evaluates to a character string integer is any positive integer that represents the number of characters from the left of the string to return.
Length	Returns the length, in number of characters, of a specified string. The length is returned excluding any trailing blank characters.	LENGTH(expr)	expr is any expression that evaluates to a character string.
Locate	Returns the numerical position of a character string in another character string.	LOCATE(expr1, expr2)	expr1 is any expression that evaluates to a character string. Identifies the string for which to search. expr2 is any expression that evaluates to a character string. Identifies the string to be searched.
LocateN	Returns the numerical position of a character string in another character string. This is identical to the Locate	LOCATEN(expr1, expr2, integer)	expr1 is any expression that evaluates to a character string. Identifies the string for which to search. expr2 is any expression that

	function, except that the search begins at the position specified by an integer argument.		evaluates to a character string. Identifies the string to be searched. intergeris any positive (nonzero) integer that represents the starting position to begin to look for the character string.
Lower	Converts a character string to lowercase.	LOWER(expr)	expr is any expression that evaluates to a character string.
Octet_Length	Returns the number of bits, in base 8 units (number of bytes), of a specified string.	OCTET_LENGTH(expr)	expr is any expression that evaluates to a character string.
Position	Returns the numerical position of expr1 in a character expression.	POSITION(expr1 IN expr2)	expr1 is any expression that evaluates to a character string. Identifies the string to search for in the target string. expr2 is any expression that evaluates to a character string. Identifies the target string to be searched.
Repeat	Repeats a specified expression n times.	REPEAT(expr, integer)	expr is any expression that evaluates to a character string integer is any positive integer that represents the number of times to repeat the character string.
Replace	Replaces one or more characters from a specified character expression with one or more other characters.	REPLACE(expr1, expr2, expr3)	expr1 is any expression that evaluates to a character string. This is the string in which characters are to be replaced. expr2 is any expression that evaluates to a character string. This second string identifies the characters from the first string that are to be replaced. expr3 is any expression that evaluates to a character string. This third string specifies the characters to substitute into the first string.

Right	Returns a specified number of characters from the right of a string.	RIGHT(expr, integer)	expr is any expression that evaluates to a character string. integer is any positive integer that represents the number of characters from the right of the string to return.
Space	Inserts blank spaces.	SPACE(expr)	integer is any positive integer that indicates the number of spaces to insert.
Substring	Creates a new string starting from a fixed number of characters into the original string.	SUBSTRING(expr FROM startPos FOR length)	expr is any expression that evaluates to a character string. startPos is any positive integer that represents the number of characters from the start of the left side of the string where the result is to begin.
TrimBoth	Strips specified leading and trailing characters from a character string.	TRIM(BOTH char FROM expr)	char is any single character. If you omit this specification (and the required single quotes), a blank character is used as the default. expr is any expression that evaluates to a character string.
TrimLeading	Strips specified leading characters from a character string.	TRIM(LEADING char FROM expr)	char is any single character. If you omit this specification (and the required single quotes), a blank character is used as the default. expr is any expression that evaluates to a character string.
TrimTrailing	Strips specified trailing characters from a character string.	TRIM(TRAILING char FROM expr)	char is any single character. If you omit this specification (and the required single quotes), a blank character is used as the default. expr is any expression that evaluates to a character string.
Upper	Converts a character string to uppercase.	UPPER(expr)	expr is any expression that evaluates to a character string.

Abs	Calculates the absolute value of a numerical expression.	ABS(expr)	expr is any expression that evaluates to a numerical value.
Acos	Calculates the arc cosine of a numerical expression.	ACOS(expr)	expr is any expression that evaluates to a numerical value.
Asin	Calculates the arc sine of a numerical expression.	ASIN(expr)	expr is any expression that evaluates to a numerical value.
Atan	Calculates the arc tangent of a numerical expression.	ATAN(expr)	expr is any expression that evaluates to a numerical value.
Atan2	Calculates the arc tangent of y/x, where y is the first numerical expression and x is the second numerical expression.	ATAN2(expr1, expr2)	expr is any expression that evaluates to a numerical value.
Ceiling	Rounds a non-integer numerical expression to the next highest integer.	CEILING(expr)	expr is any expression that evaluates to a numerical value.
Cos	Calculates the cosine of a numerical expression.	COS(expr)	expr is any expression that evaluates to a numerical value.
Cot	Calculates the cotangent of a numerical expression.	COT(expr)	expr is any expression that evaluates to a numerical value.
Degrees	Converts an expression from radians to degrees.	DEGREES(expr)	expr is any expression that evaluates to a numerical value.
Exp	Sends the value to the power specified.	EXP(expr)	expr is any expression that evaluates to a numerical value.
Floor	Rounds a non-integer numerical expression to the next lowest integer.	FLOOR(expr)	expr is any expression that evaluates to a numerical value.

Log	Calculates the natural logarithm of an expression.	LOG(expr)	expr is any expression that evaluates to a numerical value.
Log10	Calculates the base 10 logarithm of an expression.		expr is any expression that evaluates to a numerical value.
Mod	Divides the first numerical expression by the second numerical expression and returns the remainder portion of the quotient.	MOD(expr1, expr2)	expr is any expression that evaluates to a numerical value.
Pi	Returns the constant value of pi (the circumference of a circle divided by its diameter).	PI()	
Power	Takes the first numerical expression and raises it to the power specified in the second numerical expression.	POWER(expr1, expr2)	expr is any expression that evaluates to a numerical value.
Radians	Converts an expression from degrees to radians.	RADIANS(expr)	expr is any expression that evaluates to a numerical value.
Rand	Returns a pseudo-random number between 0 and 1.	RAND()	
RandFromSeed	Returns a pseudo-random number based on a seed value.	RAND(expr)	expr is any expression that evaluates to a numerical value.
Round	Returns n rounded to integer places to the right of the decimal point. If you omit integer, then n is rounded to 0 places. The	ROUND (n,integer)	expr is any expression that evaluates to a numerical value. integer is any positive integer that represents the number of digits of precision.

	argument integer can be negative to round off digits left of the decimal point.		
Sign	Returns: 1 if the numerical expression argument evaluates to a positive number, -1 if it evaluates to a negative number, or 0 (zero) if it evaluates to zero.	SIGN(expr)	expr is any expression that evaluates to a numerical value.
Sin	Calculates the sine of a numerical expression.	SIN(expr)	expr is any expression that evaluates to a numerical value.
Sqrt	Calculates the square root of the numerical expression argument.	SQRT(expr)	expr is any expression that evaluates to a nonnegative numerical value.
Tan	Calculates the tangent of a numerical expression.	TAN(expr)	expr is any expression that evaluates to a numerical value.
Truncate	Truncates a decimal number to return a specified number of places from the decimal point.	TRUNCATE(expr, integer)	expr is any expression that evaluates to a numerical value. integer is any positive integer that represents the number of characters to the right of the decimal place to return.
Current_Date	Returns the current date. The date is determined by the system in which the Oracle BI Server is running.	CURRENT_DATE	
Current_Time	Returns the current time. The time is determined by the system in which the Oracle BI Server is running.	CURRENT_TIME(expr)	expr is any integer representing the number of digits of precision with which to display the fractional second.

Current_TimeStamp	Returns the current date/timestamp. The timestamp is determined by the system in which the Oracle BI is running.	CURRENT_TIMESTAMP(expr)	expr is any integer representing the number of digits of precision with which to display the fractional second. The argument is optional; the function returns the default precision when no argument is specified.
Day_of_Quarter	Returns a number (between 1 and 92) corresponding to the day of the quarter for the specified date.	DAY_OF_QUARTER(expr)	expr is any expression that evaluates to a date.
DayName	Returns the name of the day for a specified date.	DAYNAME(expr)	expr is any expression that evaluates to a date.
DayOfMonth	Returns the number corresponding to the day of the month for a specified date.	DAYOFMONTH(expr)	expr is any expression that evaluates to a date.
DayOfWeek	Returns a number between 1 and 7 corresponding to the day of the week, Sunday through Saturday, for a specified date.	DAYOFWEEK(expr)	expr is any expression that evaluates to a date.
DayOfYear	Returns the number (between 1 and 366) corresponding to the day of the year for a specified date.	DAYOFYEAR(expr)	expr is any expression that evaluates to a date.
Hour	Returns the number (between 0 and 23) corresponding to the hour for a specified time.	HOUR(expr)	expr is any expression that evaluates to a time.
Minute	Returns the number (between 0 and 59) corresponding to the	MINUTE(expr)	expr is any expression that evaluates to a time.

	minute for a specified time.		
Month	Returns a number (between 1 and 12) corresponding to the month for a specified date.	MONTH(expr)	expr is any expression that evaluates to a date.
Month_Of_Quarter	Returns the number (between 1 and 3) corresponding to the month in the quarter for a specified date.	MONTH_OF_QUARTER(expr)	expr is any expression that evaluates to a date.
MonthName	Returns the name of the month for a specified date.	MONTHNAME(expr)	expr is any expression that evaluates to a date.
Now	Returns the current timestamp. This function is equivalent to the function Current_TimeStamp.	NOW()	
Quarter_Of_Year	Returns the number (between 1 and 4) corresponding to the quarter of the year for a specified date.	QUARTER_OF_YEAR(expr)	expr is any expression that evaluates to a date.
Second	Returns the number (between 0 and 59) corresponding to the seconds for a specified time.	SECOND(expr)	expr is any expression that evaluates to a time.
TimestampAdd	Adds a specified number of intervals to a specified timestamp, and returns a single timestamp.	TIMESTAMPADD(interval, expr, timestamp)	interval is the specified interval. Valid values are: SQL_TSI_SECOND,SQL_TSI_MINUTE, SQL_TSI_HOUR,SQL_TSI_DAY,SQL_TSI_WEEK,SQL_TSI_MONTH,SQL_TSI_QUARTER,SQL_TSI_YEAR. expr is any expression that evaluates to an integer value. timestamp is any valid timestamp.

TimestampDiff	Returns the total number of specified intervals between two timestamps.	TIMESTAMPDIFF(interval, expr, timestamp2)	interval is the specified interval. Valid values are: SQL_TSI_SECOND,SQL_TSI_MINUTE, SQL_TSI_HOUR,SQL_TSI_DAY,SQL_TSI_WEEK,SQL_TSI_MONTH,SQL_TSI_QUARTER,SQL_TSI_YEAR. timestamp1 and timestamp2 are any valid timestamp.
Week_Of_Quarter	Returns a number (between 1 and 13) corresponding to the week of the quarter for the specified date.	WEEK_OF_QUARTER(expr)	expr is any expression that evaluates to a date.
Week_Of_Year	Returns a number (between 1 and 53) corresponding to the week of the year for the specified date.	WEEK_OF_YEAR(expr)	
Year	Returns the year for the specified date.	YEAR(expr)	expr is any expression that evaluates to a date.
Cast	Converts one built-in datatype or collection-typed value into another built-in datatype or collection-typed value.	CAST(expr AS type)	expr is any expression. type is any datatype.
IfNull	Tests if an expression evaluates to a null value, and if it does, assigns the specified value to the expression.	IFNULL(expr, value)	expr is the expression to evaluate. value is the value to assign if the expression evaluates to a null value.
ValueOf	Use the VALUEOF function in a filter to reference the value of an Oracle BI repository variable.	VALUEOF(expr)	expr Variables should be used as arguments of the VALUEOF function. Refer to static repository variables by name.

Database	Returns the name of the Oracle BI subject area to which you are logged on.	DATABASE()	
User	Returns the user name for the Oracle BI Repository to which you are logged on.	USER()	
Case (Switch)	This form of the Case statement is also referred to as the CASE (Lookup) form. The value of expression1 is examined, then the WHEN expressions. If expression1 matches any WHEN expression, it assigns the value in the corresponding THEN expression. If none of the WHEN expressions match, it assigns the default value specified in the ELSE expression. If no “ELSE” expression is specified, the system will automatically add an “ELSE NULL”.	CASE expr1 WHEN expr2 THEN expr3 ELSE expr4 END	exprs is any valid expression.
Case (If)	Evaluates each WHEN condition and if satisfied, assigns the value in the corresponding THEN expression. If none of the WHEN conditions are satisfied, it assigns the default value specified in the ELSE	CASE WHEN request_condition1 THEN expr1 ELSE expr2 END	exprs is any valid expression.

	expression. If no ELSE expression is specified, the system will automatically add an ELSE NULL.		
Evaluate	Passes the specified database function with (optional) referenced columns as parameters to the back-end data source for evaluation. This function is intended for scalar and analytic calculations, and is useful when you want to use a specialized database function that is not supported by the Oracle BI Server, but that is understood by the underlying datasource. The embedded database function may require one or more columns. These columns are referenced by %1 ... %N within the function. The actual columns must be listed after the function.	EVALUATE('Rank(%1.dimension.currentmember, %2.members)' as int , Foodmart93.Time.Month)	db_function is any valid database function understood by the underlying datasource. datatype is an optional parameter that specifies the data type of the return result. Use whenever the return data type cannot be reliably predicted from the input arguments. column1 through columnN is an optional, comma-separated list of columns.
Evaluate Aggregate	A time series aggregation function that aggregates a measure attribute from the beginning of a specified time period to the current time. For example, this function can calculate Year to Date sales.	TODATE(expr, time_level)	A time series aggregation function that aggregates a measure attribute from the beginning of a specified time period to the current time. For example, this function can calculate Year to Date sales.

Ago	A time series aggregation function that calculates the aggregated value from the current time back to a specified time period. For example, Ago can produce sales for every month of the current quarter and the corresponding quarter-ago sales.	AGO(expr, time_level, offset)	expr is an expression that references at least one measure column. time_level is the type of time period, such as quarter, month, or year. offset is an integer literal that represents the time shift amount.
Forecast	Creates a time-series model of the specified measure over the series using either Exponential Smoothing or ARIMA and outputs a forecast for the a set of periods as specified by the numPeriods.	FORECAST(numeric_expr, ([series]), output_column_name, options, [runtime_binded_options])	numeric_expr represents the measure to forecast. series is the time grain at which the forecast model is built. It is a list of one or more time dimension columns. If series is omitted, the time grain is determined from the query. time_dimension_alias is an optional alias. The valid alias are 'timeDay', 'timeWeek', 'timeMonth', 'timeQuarter', 'timeYear'. output_column_name is the output column. The valid values are 'forecast', 'low', 'high', 'predictionInterval'. options is a string list of name=value pairs separated by ';'. The value can include %1 ... %N, which can be specified using runtime_binded_options. runtime_binded_options is an optional comma separated list of runtime binded columns or literal expressions.

Period Rolling	Computes the sum of a measure over the period starting x units of time and ending y units of time from the current time. The unit of time is determined by the measure level of the measures in its first argument and the query level of the query to which the function belongs.	PERIODROLLING(measure , x [,y])	measure is the name of a measure column. x x is an integer that specifies the offset from the current time. y specifies the number of time units over which the function will compute. hierarchy is an optional argument that specifies the name of a hierarchy in a time dimension, such as yr, mon, day, that you want to use to compute the time window.
To Date	A time series aggregation function that aggregates a measure attribute from the beginning of a specified time period to the current time. For example, this function can calculate Year to Date sales.	TODATE(expr, time_level)	expr is an expression that references at least one measure column. time_level is the type of time period, such as quarter, month, or year.
Cluster	Groups a set of records into groups based on one or more input expressions using K-Means or Hierarchical Clustering.	CLUSTER((dimension_expr), (expr), output_column_name, options, [runtime_binded_options])	dimension_expr represents a list of dimensions to be clustered. expr represents a list of dimension attributes or measures to be used to cluster the dimension_expr. output_column_name is the output column. The valid values are 'clusterId', 'clusterName', 'clusterDescription', 'clusterSize', 'distanceFromCenter', 'centers'. options is a string list of name=value pairs separated by ';'. The value can include %1 ... %N, which can be specified using runtime_binded_options. runtime_binded_options is an optional comma separated list of

			runtime binded columns or literal expressions.
Evaluate Script	Executes a R script as specified in the script_file_path, passing in one or more columns or literal expressions as input. The output of the function is determined by the output_column_name.	EVALUATE_SCRIPT(script_file_path, output_column_name, options, [runtime_binded_column_options])	script_file_path represents the script XML file path. Example: filerepo://obiee.Outliers.xml output_column_name is a column name that is outputted from the script execution. options is a string list of name=value pairs separated by ';'. The value can include %1 ... %N, which can be specified using runtime_binded_options. runtime_binded_column_options is an optional comma separated list of run-time binded columns or literal expressions.
Outlier	Classifies a record as Outlier based one or more input expressions using K-Means or Hierarchical Clustering or Multi-Variate Outlier detection Algorithms.	OUTLIER((dimension_expr1 , ... dimension_exprN), (expr1, .. exprN), output_column_name, options, [runtime_binded_options])	dimension_expr represents a list of dimensions. expr represents a list of dimension attributes or measures to be used find outlier's. output_column_name is the output column. The valid values are 'isOutlier', 'distance'. options is a string list of name=value pairs separated by ';'. The value can include %1 ... %N, which can be specified using runtime_binded_options. runtime_binded_options is an optional comma separated list of run-time binded columns or literal expressions.

Regr	Fits a linear model, and returns the fitted values or model. This function can be used to fit a linear curve on two measures.	REGR(y_axis_measure_expr, (x_axis_expr), (category_expr1, ..., category_exprN), output_column_name, options, [runtime_binded_options])	y_axis_measure_expr represents the measure for which the regression model is to be computed. x_axis_expr represents the measure to be used to determine the regression model for the y_axis_measure_expr. category_expr1, ..., category_exprN represents the dimension/dimension attributes to be used to determine the category for which the regression model for the y_axis_measure_expr is to be computed. One or more dimensions/dimension attributes, up to five, may be provided as category columns. output_column_name is the output column. The valid values are 'fitted', 'intercept', 'modelDescription'. options is a string list of name=value pairs separated by ';'. The value can include %1 ... %N, which can be specified using runtime_binded_options. runtime_binded_options is an optional comma separated list of run-time binded columns and options.
Trendline	Fits a linear or exponential model, and returns the fitted values or model. The numeric_expr represents the Y value for the trend and the series (time columns) represent the X value.	TRENDLINE(numeric_expr, ([series]) BY ([partitionBy]), model_type, result_type)	numeric_expr represents the data to trend. This is the Y-axis. This is usually a measure column. series is the X-axis. It is a list of numeric or time dimension attribute columns. partitionBY is a list of dimension attribute columns that are in the view but not on the X-axis. model_type is one of the

			following ('LINEAR', 'EXPONENTIAL'). result_type is one of the following ('VALUE', 'MODEL'). 'VALUE' will return all the regression Y values given X in the fit. 'MODEL' will return all the parameters in a JSON format string.