Call Center Samples

Team content > Samples > By business function > Customer experience

November 2021

Introduction

- For the Customer Experience business function, the Call Center set of samples illustrate the use of **KPIs** (Key Performance Indicators) in dashboards and reports.
- The dashboards demonstrate the KPI visualization, and the data module demonstrates how to create target values

Theory and KPIs

KPI	Description	Target		
Occupancy %	The amount of time that agents are on the phone answering live calls, as well as completing additional work associated with these calls, compared to the agent's total shift time	75.0% for all shifts		
SLA % (Service Level Agreement)	The percentage of calls that are answered within a specified number of seconds.	80.0% of all calls		
Quality %	The percentage of callers that were satisfied with the quality-related aspects of the call, as determined by a Customer Satisfaction survey. Call quality measures the efficiency and effectiveness of the conversation regarding politeness, professionalism, knowledge, understanding, timeliness, problem solving, and the final solution. The caller felt like they had a positive experience, the solution was effective, and if applicable they can prevent the issue from reoccurring in the future. This is related to Customer Satisfaction %.	90.0% of all rated calls		
ATT (Agent Talk Time - Minutes)	The average amount of time the agent is on the phone answering a live call. It includes any time that the caller is placed on hold.	15 minutes per call		
ACW (After Call Work Time -Minutes)	Measures the average amount of time the agent spends on activities after a live call is over. These activities typically include updating databases, documents, or memos, sending emails or messages, and informing teammates/supervisors about the call.	5 minutes per call		

KPI	Description	Target		
AHT (Average Handle Time - Minutes)	Measures the average elapsed time from when an agent answers a call, places the caller on hold if necessary, and then eventually disconnects when a solution is reached. It also includes any After Call Work Time. The formula is <i>ATT + ACW</i>	20 minutes per call		
ATT (Agent Talk Time - Minutes)	Measures the average amount of time the agent is on the phone answering a live call. It includes any time that the caller is placed on hold.	15 minutes per call		
ASA (Average Speed of Answer - Seconds)	The average time for calls to be answered in the call center during a specific time frame. This includes the caller's time spent waiting in the queue, and the time while the agent's phone rings. It does not include the initial time spent by the caller to navigate through the automated Interactive Voice Response (IVR) system.	20 seconds per call		
Customer Satisfaction %	The percentage of callers that were satisfied with their overall experience, as determined by a Customer Satisfaction survey. This is related to Quality %.	85.0% of all rated calls		
Abandonment %	The percentage of callers who hang up before reaching an agent.	2.0 % of all calls		
FCR % (First Call Resolution)	The percentage of calls that were resolved on first contact.	80.0% of all calls		

Samples

2 Dashboards

- Team content > Samples > By business function > Customer experience > Dashboards > Agent quarterly performance
- Team content > Samples > By business function > Customer experience > Dashboards > Call center YTD performance

1 Report

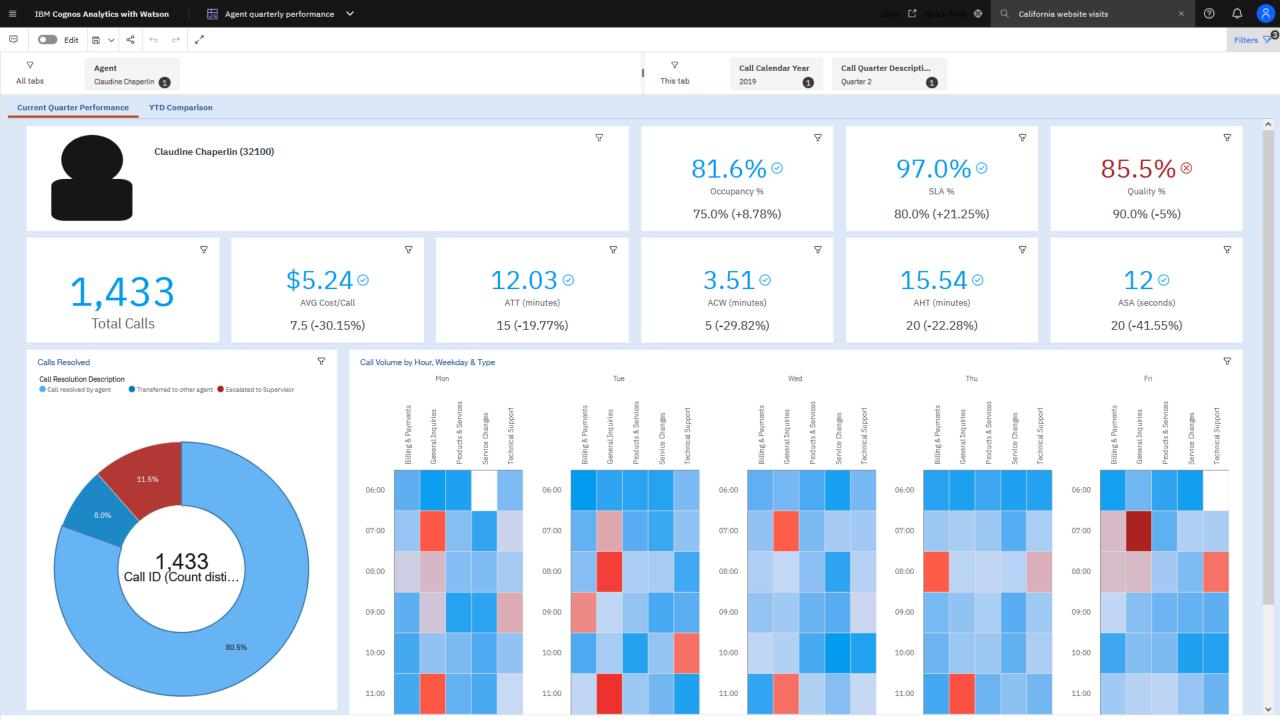
 Team content > Samples > By business function > Customer experience > Reports > Daily agent activity

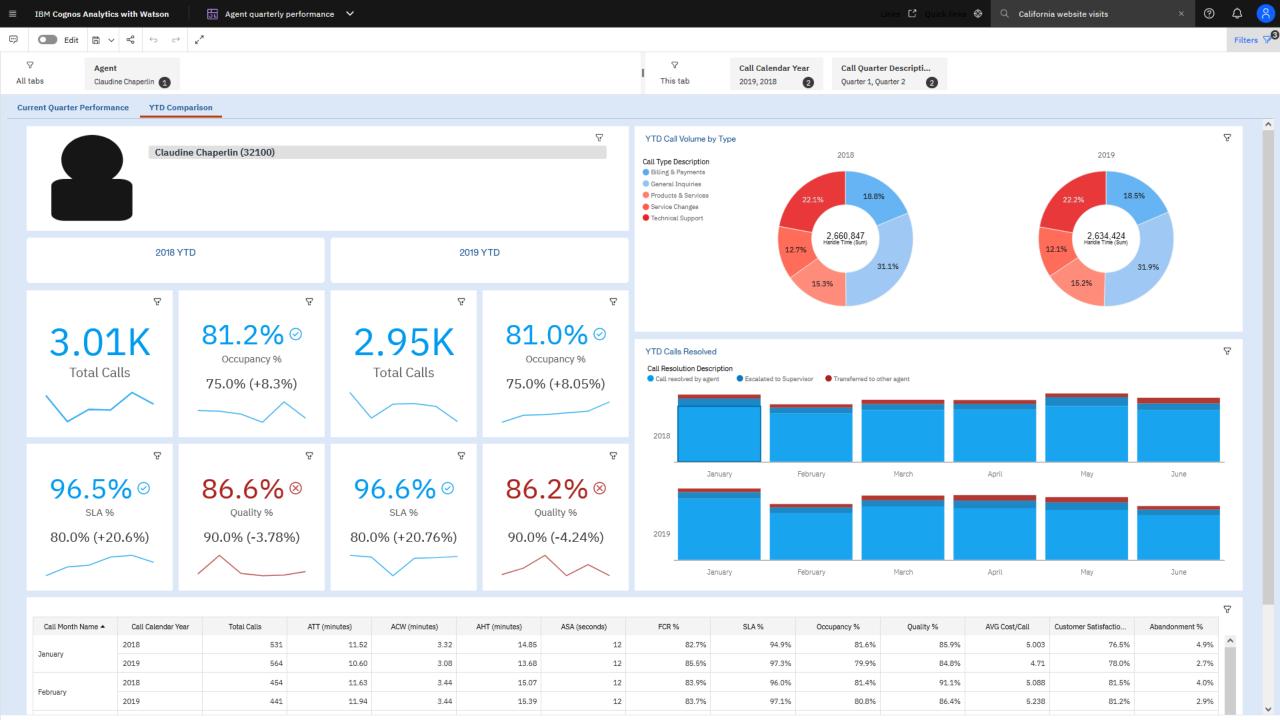
Data

- This sample data module contains representative call center data from a fictional mobile phone service provider.
 - Team content > Samples > By business function > Customer experience > Data > Call center
 - Team content > Samples > By business function > Customer experience > Data > Source files > Call_Center.zip

Agent quarterly performance

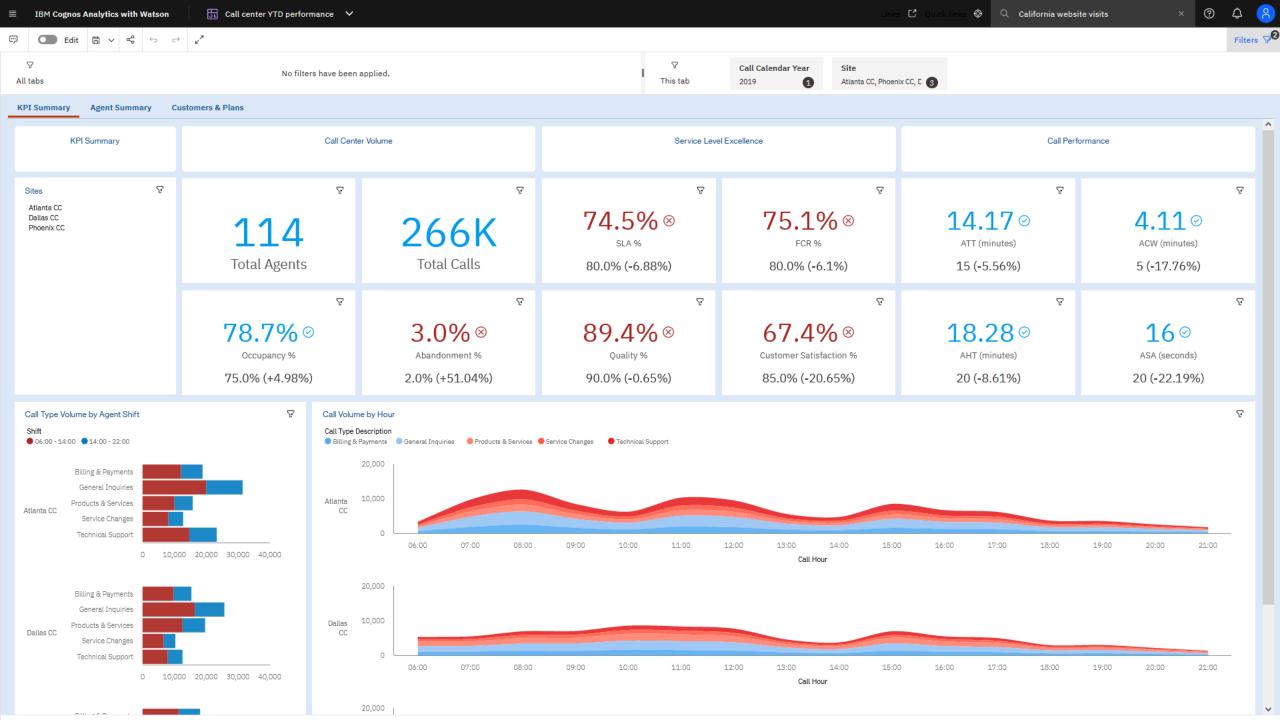
Dashboard

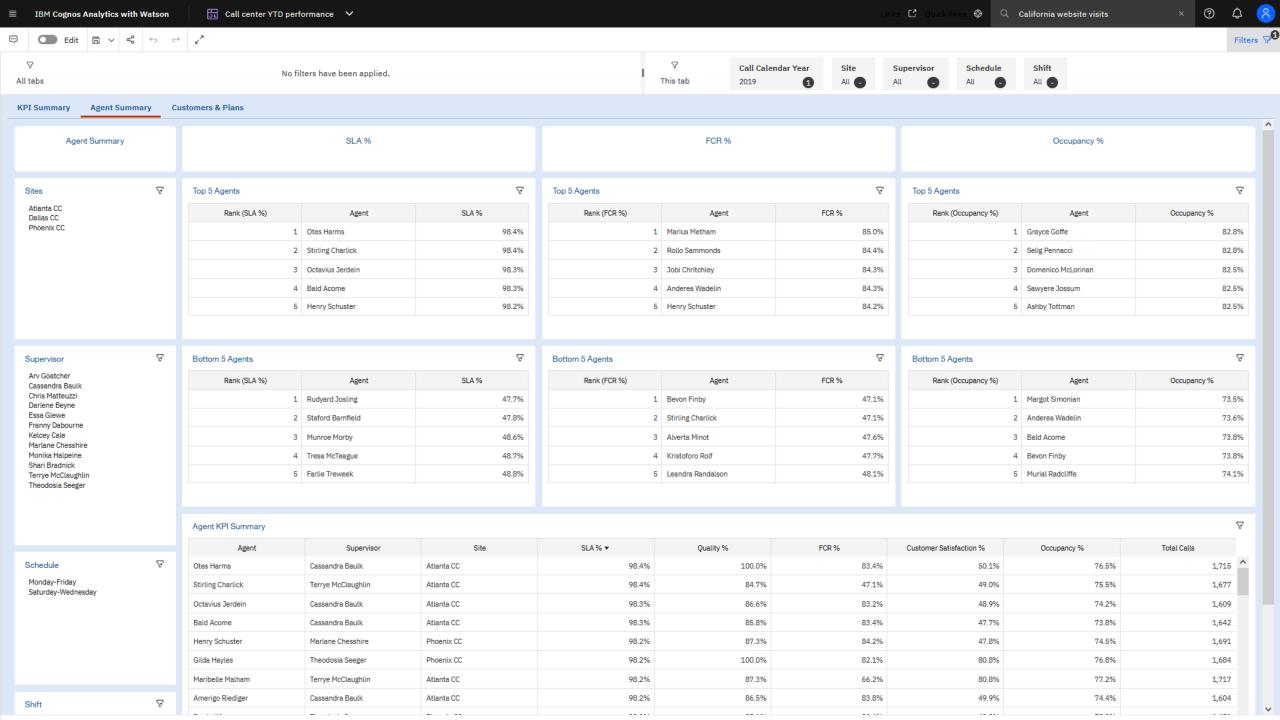


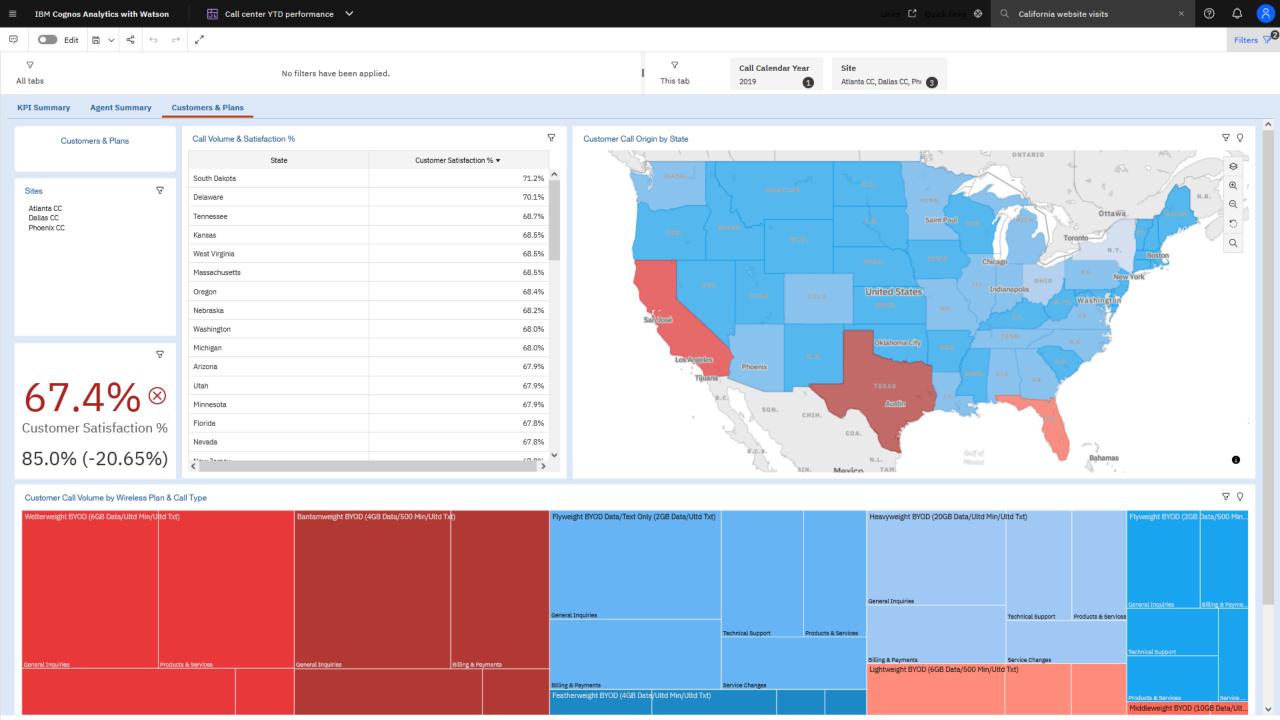


Call center YTD performance

Dashboard







Daily agent activity

Report



Filters

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Call Log Summary

Daily Agent Activity

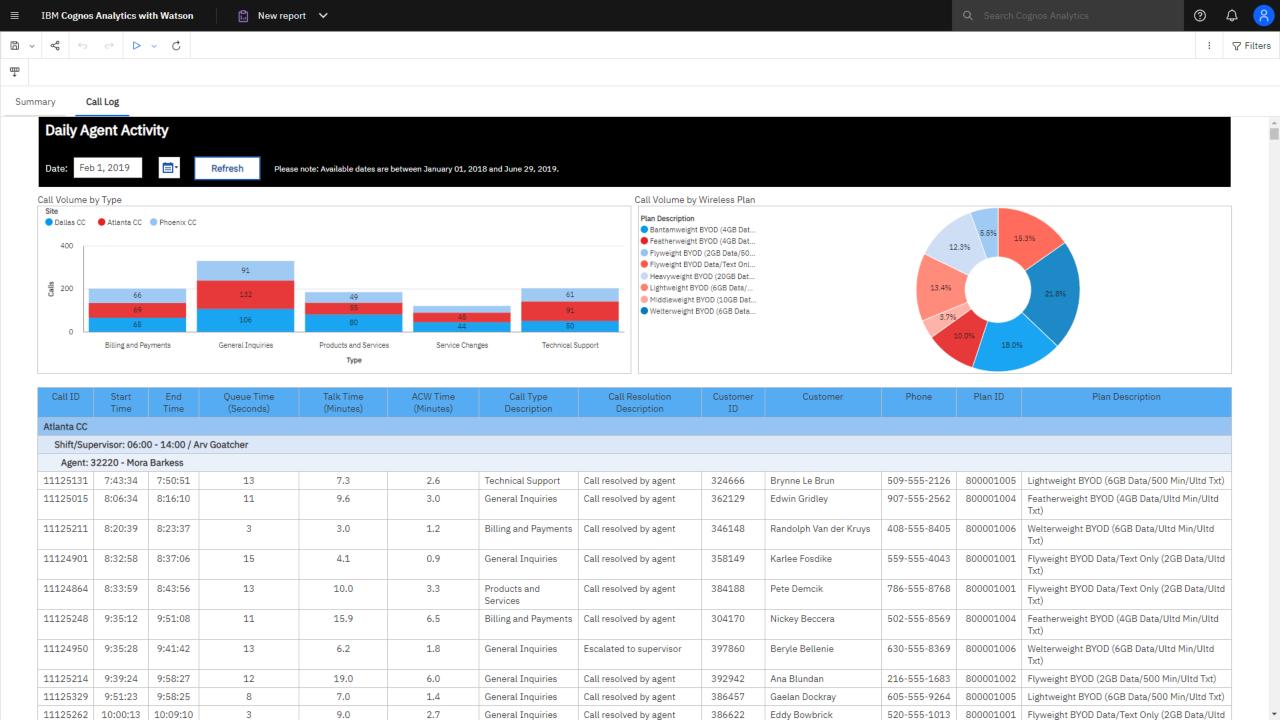
Date: Feb 1, 2019

Refresh

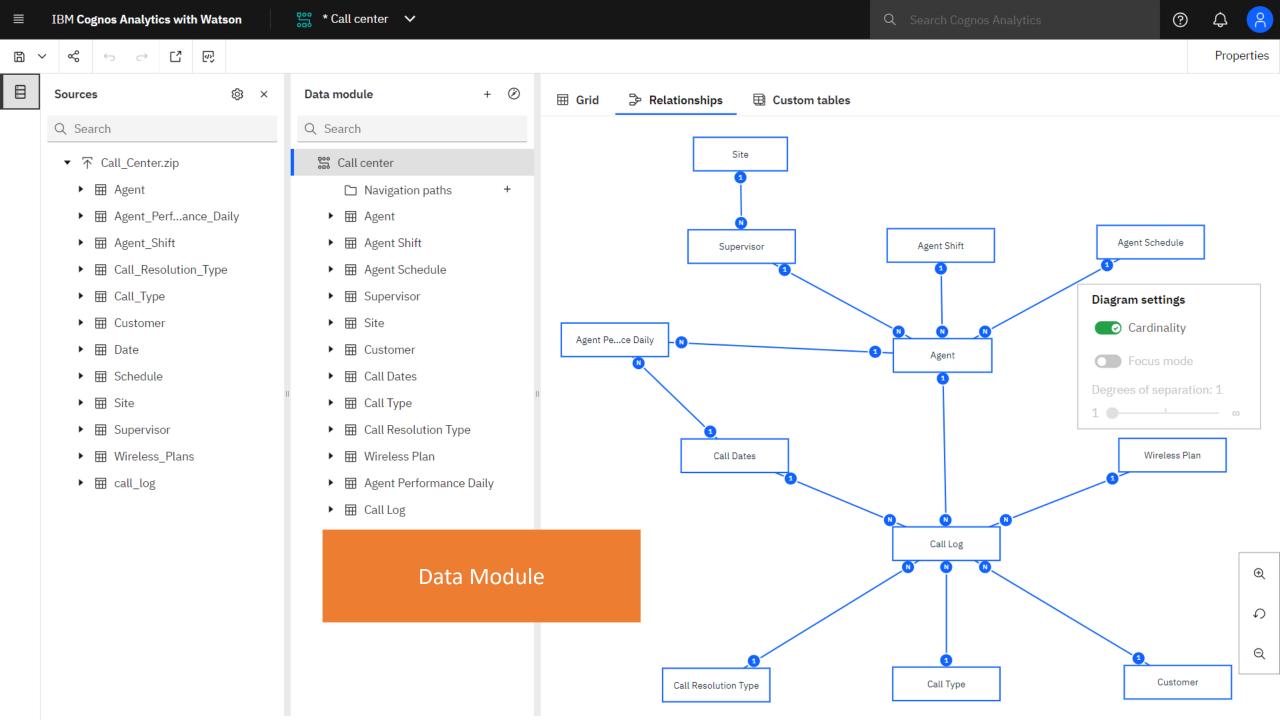
Please note: Available dates are between January 01, 2018 and June 29, 2019.

Site	Total Calls	1	linutes) / Target	ACW (minutes) Actual / Target		AHT (minutes) Actual / Target		ASA (seconds)	FCR %	SLA %	Occupancy %	Quality %	AVG Cost/Call	Abandonment %	Customer Satisfaction %
Atlanta CC	416	13.9	15.0	4.0	5.0	18.0	20.0	11	72.6%	96.6%	80.9%	89.7%	\$6.68	3.1%	70.2%
Dallas CC	328	14.6	15.0	4.2	5.0	18.8	20.0	20	73.2%	47.6%	81.5%	92.9%	\$7.55	3.0%	72.3%
Phoenix CC	291	15.2	15.0	4.4	5.0	19.7	20.0	16	71.5%	68.4%	80.2%	86.4%	\$7.57	3.8%	64.3%

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	23	11.8	3.5	15.3	13	82.6%	95.7%	83.6%	100.0%	\$5.42	4.3%	91.3%
ade Waggett	24	11.0	3.0	14.0	12	87.5%	100.0%	79.8%	91.7%	\$5.19	0.0%	54.2%
amus Chatt	27	10.1	2.8	12.9	12	77.8%	96.3%	82.8%	100.0%	\$4.61	3.7%	51.9%
wyere Jossum	16	14.9	3.9	18.8	11	81.2%	100.0%	71.5%	88.9%	\$7.22	0.0%	37.5%
ick Sigert	24	10.6	3.2	13.8	9	87.5%	95.8%	79.0%	100.0%	\$4.81	0.0%	62.5%
audine Chaperlin	24	11.8	3.6	15.4	12	91.7%	100.0%	88.0%	100.0%	\$4.81	0.0%	91.7%
on Klambt	26	10.2	2.9	13.1	11	65.4%	92.3%	80.9%	80.0%	\$4.44	7.7%	42.3%
ril Haslock(e)	28	9.2	2.8	12.0	12	89.3%	89.3%	80.0%	81.8%	\$4.45	10.7%	64.3%
ldagarde Iglesia	27	9.3	2.8	12.1	12	81.5%	96.3%	78.0%	71.4%	\$4.99	3.7%	74.1%
tleen Powdrell	21	12.1	3.7	15.8	11	71.4%	95.2%	79.0%	83.3%	\$5.50	4.8%	52.4%
it Bram	20	13.4	4.0	17.4	11	60.0%	90.0%	83.0%	90.0%	\$7.56	10.0%	80.0%
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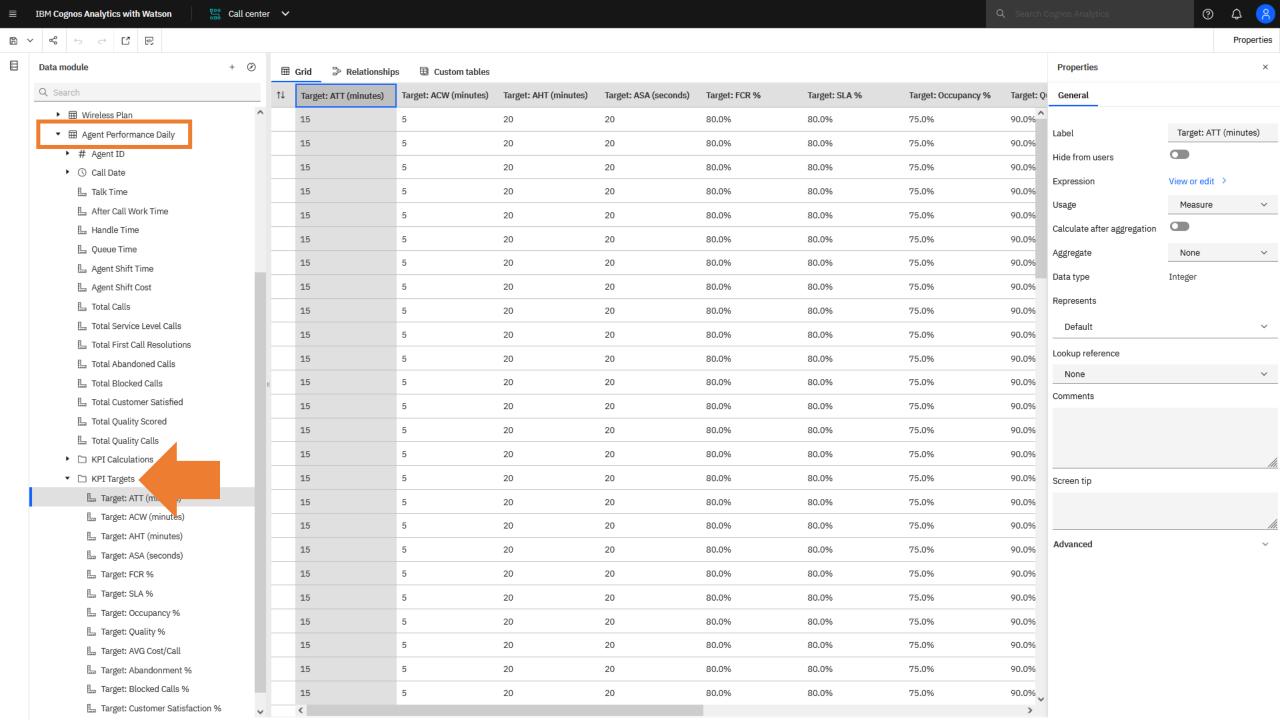


Data

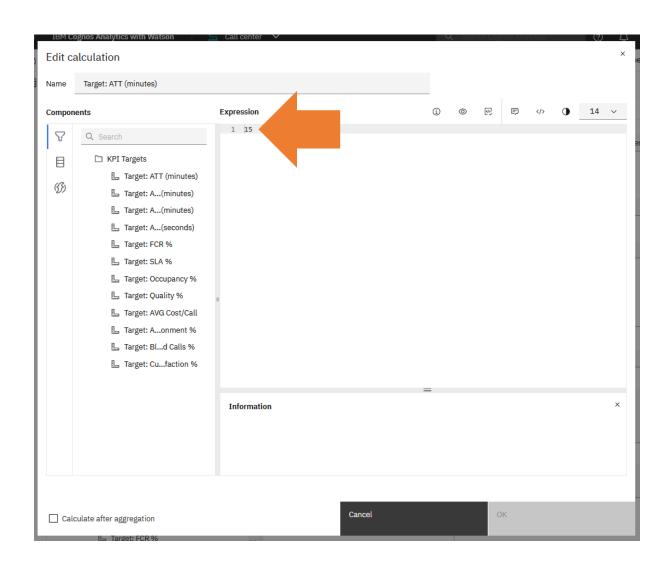


Targets

- In the data module, within the *Agent Performance Daily* table, there is a folder named *KPI Targets*
 - This folder contains a set of measures (in the form of Calculations) that specify the targets for each KPI (see next slide)



In each case, the calculation assigns the target number or percentage:



Core Data

Agent_Performance_Daily.csv

- Contains aggregated information about an agent for call dates between January 01, 2018 and June 30, 2019. There are 44,461 rows
 - Agent_ID
 - Call_Date
 - Talk_Time
 - After_Call_Work_Time
 - Handle_Time
 - Queue Time
 - Agent_Shift_Time
 - Agent_Shift_Cost
 - Total_Calls
 - Total_Service_Level_Calls
 - Total_First_Call_Resolutions
 - Total Abandoned Calls
 - Total_Blocked_Calls
 - Total_Customer_Satisfied number of callers who filled in the Customer Satisfaction Survey with a positive satisfaction rating
 - Total_Quality_Scored Satisfied number of callers who filled in the Customer Satisfaction Survey
 - Total_Quality_Calls Satisfied number of callers who filled in the Customer Satisfaction Survey with a positive quality rating

Core Data (cont'd)

call_log.csv

- Contains row-level information about individual calls between January 01, 2018 and June 30, 2019. There are 805,046 rows
 - Call_ID
 - Agent_ID
 - Call Date
 - Start_Date_Time
 - Start Time
 - End_Date_Time
 - End Time
 - Talk_Time
 - After Call Work Time
 - Queue_Time
 - Agent_Comments
 - Call_Resolution_ID
 - Call_Type_ID
 - Customer ID
 - Plan_ID
 - Customer_Satisfied did the caller fill in the Customer Satisfaction Survey with a positive satisfaction result?
 - Quality_Scored did the caller fill in a Customer Satisfaction Survey?
 - Is Quality Call did the caller fill in the Customer Satisfaction Survey with a positive quality result?