

Getting Started with Amazon QuickSight Q

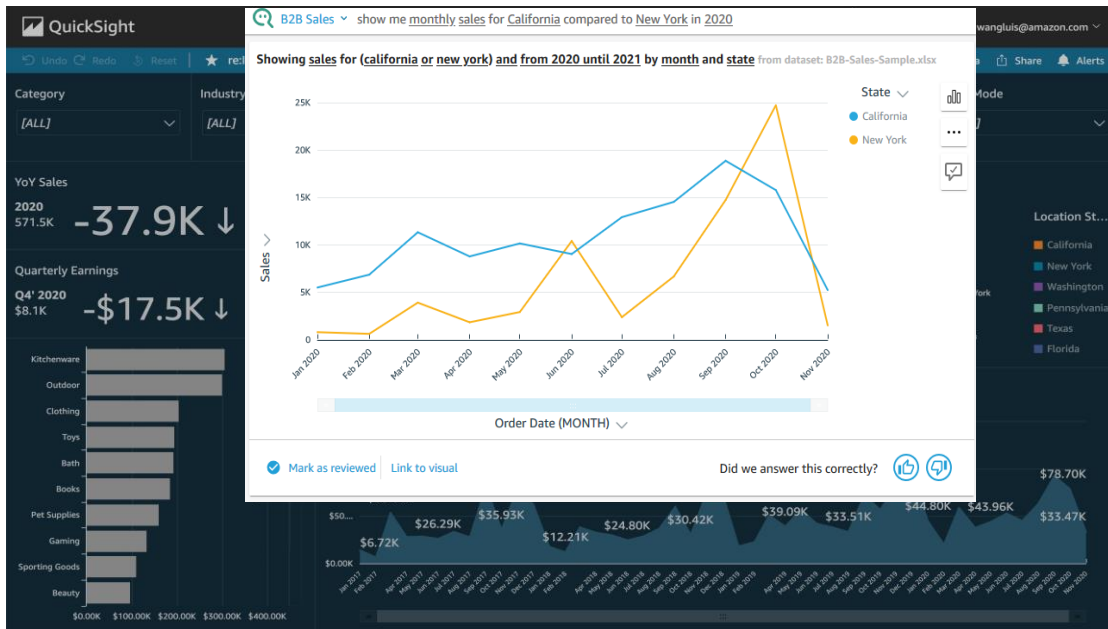
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1. What is Amazon QuickSight Q?

Amazon QuickSight Q is an ML (Machine Learning) powered, natural language query capability in Amazon QuickSight that empowers users to ask questions about their business data in natural language and get instant answers. For example users can simply type “What is the monthly sales trend for California compared to New York in 2020?” and get a QuickSight visualization showing sales trend comparison between the two states. You can access QuickSight Q from this [URL](#) (QuickSight URL with additional feature flags)



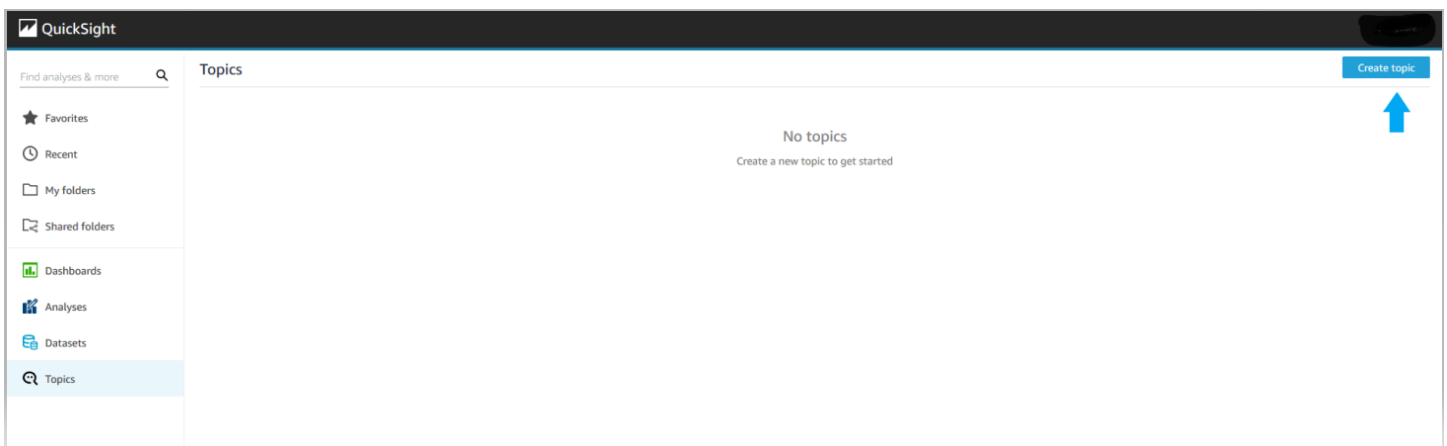
2. What are the pre-requisites to activate Q?

Amazon QuickSight is currently in private preview, request access by signing up for preview [here](#). Once your QuickSight account is allow-listed, ensure you access QuickSight using the URL [here](#).

This URL includes a suffix “?wf=MERLIN_TOPICS:T1” feature flag that is necessary to access QuickSight Q from your account. This is necessary for all users in your account who plan to use QuickSight Q. https://quicksight.aws.amazon.com/sn/start/analyses?wf=MERLIN_TOPICS:T1

3. How do I get started with Q?

Once Q is enabled for your AWS account, a new “Topics” link will appear on the left navigation bar.



4. What is a Topic and how to create one?

Topics are a collection of one or more datasets and are meant to represent a subject area that users can ask questions about. Similar to dashboards in QuickSight Authors can create Topics to enable Natural language question on their data. For example: “Ads Spending”, “Email Campaign”, “Website Analytics” and others.

Steps to create a Topic -



Click on the “Topics” and click “Create Topic”

Provide a user-friendly Name and Description for the Topic. Topic name is how your users will identify and select the Topic to ask question. Users will be able to see the description for more details about a Topic. Make sure the name and description are clear to your users. For example:

Create topic [X]

Topic name
If your data was a movie, what would it be called?
Sales Performance

Description
In one sentence, how would you sum up this topic to a new coworker?
This Topic provide monthly sales performance metrics and quota data for each account executive. You can further drill down into sales at the product category, product, territory and customer level.

Cancel Continue

5. How to add data to a Topic?

Users can add data to a topic as part of the Topic creation workflow. There are two options to add data to Topics:

Add datasets: This option allows you to add one or more datasets directly to your Topic.

Import from dashboard: This option allows you to import all the datasets in an existing dashboard into your Topic.

Note: Users can add multiple datasets to a Topic and do not have to worry about the redundant data stored in two different datasets. Q will pick the most appropriate dataset to answer a question. For example: Users can add “sale_reporting_by_customer” dataset and “sales_reporting_with_goal” dataset. These two datasets may have overlapping columns such as “sales”, “product”, “date”, but one has sales at the “customer” level granularity whereas the latter has “goals” metrics, which aren’t available at the customer level. If users ask about the “sales by customer”, Q would know to query the first dataset. If users ask about “sales compared to goal”, Q would know to query the second dataset. Currently, Q does not support joining across different datasets on the fly.

Add data to topic [X]

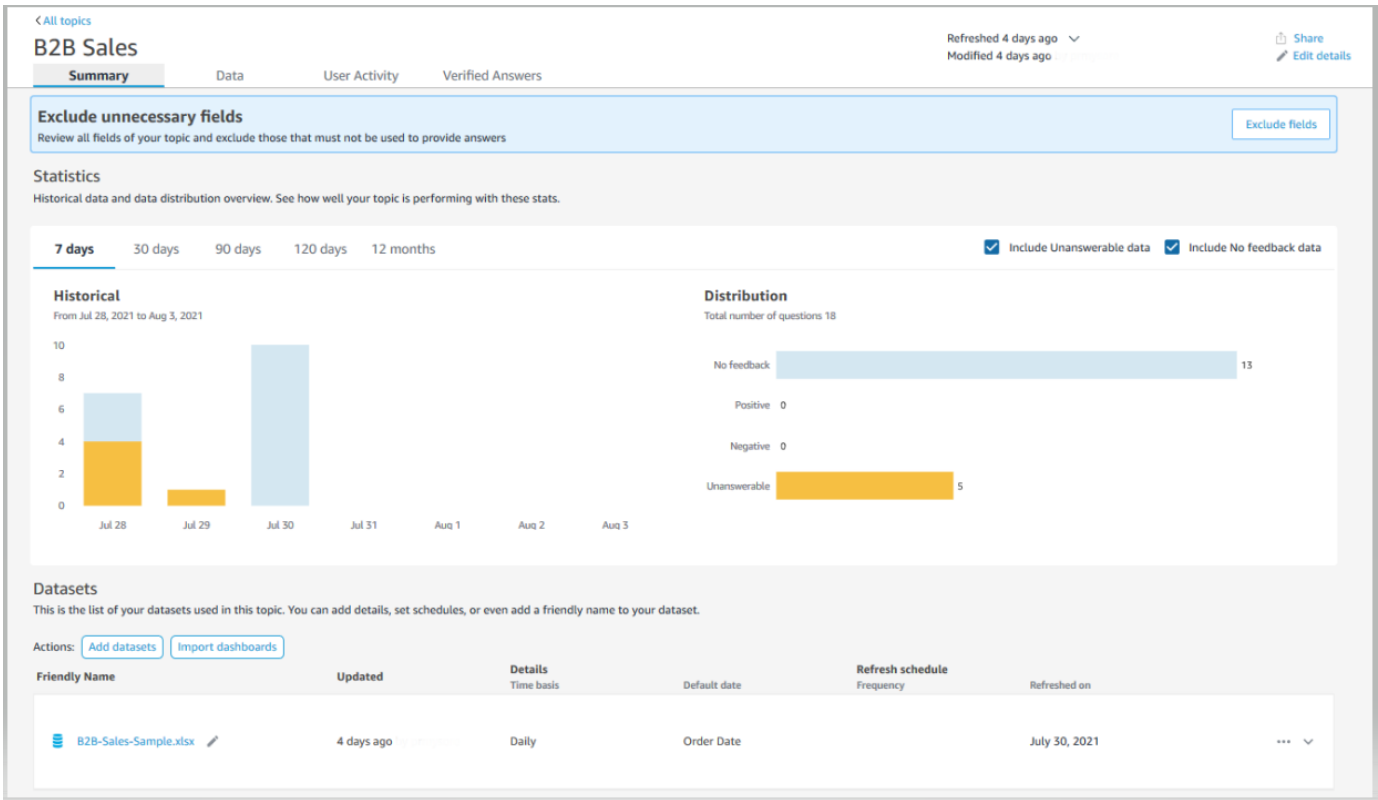
Choose method
Let's get some data in here. Tell us how you want to do that.
 Add datasets
 Import dashboard

Choose data
What should we pull into this topic?
 QS-RPT-W-Change-Active-Reader
 QS-RPT-W-Author
 QS-RPT-W-CAP-MTD
 QS-RPT-W-Dataset
 QS-RPT-W-Reader
 QS-RPT-W-Revenue

Back Add data

6. What are the important components of a Topic?

Once a Topic is successfully created, an author can see four tabs to manage a Topic – Summary, Data, User Activity and Verified Answers



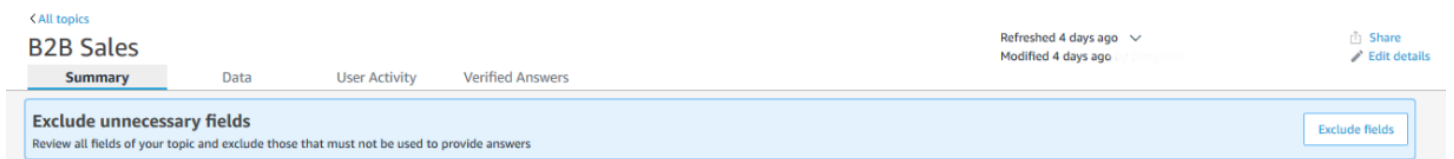
6.1 Summary

After creating a topic successfully, authors are directed to the Topic summary page. The Topic summary page acts as new landing page for every topic and has three important areas -

a. Suggestions

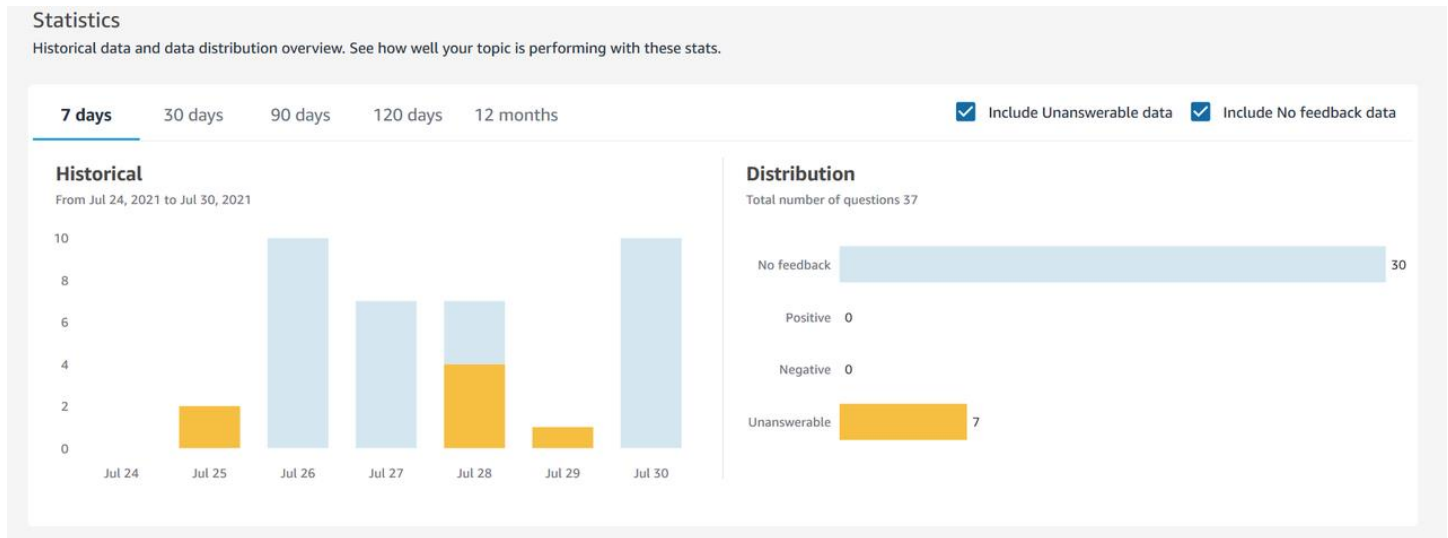
After a new topic creation Authors, suggestions provide a step by step guidance to improve topics. These steps assist the author in understanding the necessary actions required to create a better performing topic. Authors can accept each suggestion by clicking on the specific action button provided at the end of the suggestion upon which the suggestion will move to the next suggestion available. In the current version, suggestions are sourced from a pre-set list depending on the stage of a topic. Following are the suggestions that Authors receive

Pre-requisite	Suggestion	Message
Topic Created but no columns excluded or CTA accepted	Exclude unnecessary fields	Review all fields of your topic and exclude those that must not be used to provide answers
Topic Created but synonyms not added for any columns	Add Synonyms	Improve topic performance by adding synonyms to recognize different ways users refer to the same field
Topic Created but Semantic Types not updated for any columns	Update Semantic Types for fields	Improve Answer quality by updating metadata about data contained in each field. For ex: Semantic type
Topic Created but no questions asked	Test topic by asking questions	Verify your topic performance by asking questions about it in the Q bar
Topic Created but no feedback	Provide feedback on Answers	Review feedback for answers on your topic. Try Asking a question and provide feedback for an answer
Topic Created but no Reviewed Answers created	Pre-configure answers for questions	Preset answers generated for specific questions in your topic by creating reviewed answers. Try creating a reviewed answer
First Negative Feedback received	Review questions with negative feedback	Review answers with negative feedback from users and make necessary improvements to topic
First comments received	Review questions with comments	Review answers with comments to improve topic performance



b. Metrics and KPIs on Topic engagement and performance

This section shows historical trend and distribution charts that show user engagement with the topic. Metrics include questions broken down by feedback and answer status. Authors can customize the chart time span to 7 days, 30 days, 60 days, 120 days, and 12 months. Authors can also exclude data for unanswerable questions and no feedback questions from the charts via the check boxes available in the chart window.



c. Datasets

Datasets included while creating a topic are listed in this section, they are the data sources of a topic. Authors can add additional datasets by clicking Add datasets or by selecting Import dashboards and update additional dataset related metadata by expanding the dataset card.

Datasets
This is the list of your datasets used in this topic. You can add details, set schedules, or even add a friendly name to your dataset.

Actions: [Add datasets](#) [Import dashboards](#)

Friendly Name	Updated	Details Time basis	Default date	Refresh schedule Frequency	Refreshed on	
B2B-Sales-Sample.xlsx	4 days ago by prmysore	Daily	Order Date		July 30, 2021	...

6.2 Data

The data tab displays all the fields included in the topic. Authors can set and manage all field level metadata configurations in the Data tab. Authors can choose to work with fields from different datasets all at once in the data tab. In addition they can also filter the fields table by specific field types or a specific dataset to work with. Data tab also provides an enhanced search capability that authors can use to search a field either by its name or by the synonyms that are added to refer to a specific field.

To work with fields from multiple datasets at once Authors can select the required datasets from the view drop down and all fields will be displayed. Authors can use the filter or the search option to further refine the table and make changes to the metadata configurations of fields. Metadata configuration changes are not required to be saved explicitly, they are saved as the Author progresses through their changes.



View [B2B-Sales-Sample.xlsx](#)

Fields

This is the list of fields Q uses to answer questions. Adding Synonyms and filling out the Details helps Q answer questions accurately. [Learn more](#)

Actions: [Bulk Actions](#) [Add calculated field](#) [Add filter](#) [Add named entity](#)

Filter by: All fields

	Friendly name	Synonyms	Details	Include
<input type="checkbox"/>	fx Sales Calc	△ Add alternate names for field	Measure	<input type="checkbox"/>
<input type="checkbox"/>	# Row ID	△ Add alternate names for field	Measure	<input type="checkbox"/>
<input type="checkbox"/>	Ship Region	Region	Dimension	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Product ID	△ Add alternate names for field	Dimension	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Segment	△ Add alternate names for field	Dimension	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Category	group	Dimension	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Product Name	Product merchandise SKU	Dimension	<input checked="" type="checkbox"/>
<input type="checkbox"/>	# Sales	Revenue Rev spend	Measure	<input checked="" type="checkbox"/>
<input type="checkbox"/>	# Quantity	units	Measure	<input checked="" type="checkbox"/>
<input type="checkbox"/>	# Discount	△ Add alternate names for field	Measure	<input checked="" type="checkbox"/>
<input type="checkbox"/>	# Profit	△ Add alternate names for field	Measure	<input checked="" type="checkbox"/>

6.3 User Activity

All user activity (questions) asked about a topic can be monitored and analyzed in the User Activity tab.

Authors can now review all questions in a dedicated area. Authors can review metrics for number of questions based on feedback type and filter the list of questions based on the feedback type as they used to do before. For every Question, Authors can now get information about all the fields identified and linked in the question.

User activity

See everything users asked and how well Q responded for this topic. [Learn more](#)

Total questions 542	Positive 82 15%	Negative 18 3% 1 comments
-------------------------------	---------------------------	--

Filter by: See all questions

Question	Submitted by	Submitted ↓	Feedback	Issue type	Comment
show me monthly sales for amerisourcebergen View	prmysore	4 days ago	No feedback	-	No
ship region View	prmysore	4 days ago	No feedback	-	No
segment View	prmysore	4 days ago	No feedback	-	No
segment View	prmysore	4 days ago	No feedback	-	No
segment View	prmysore	4 days ago	No feedback	-	No
region View	prmysore	4 days ago	No feedback	-	No
show me average revenue for all products View	wangluis	4 days ago	No feedback	-	No
show me average revenue for all customers View	wangluis	4 days ago	No feedback	-	No
show me total revenue for all customers View	wangluis	4 days ago	No feedback	-	No
show me revenue for all customers View	wangluis	4 days ago	No feedback	-	No
show me sales for CA View	prmysore	5 days ago	No feedback	-	No
show me revenue for vyaire View	sdabbous	6 days ago	No feedback	-	No
show me revenue for vyaire View	sdabbous	6 days ago	No feedback	-	No
show me revenue for amgen in 2021 View	sdabbous	6 days ago	No feedback	-	No



6.4 Verified Answers

Authors can manage pre-configured answers in the Verified answers tab. For every pre-configured answer authors can review how many times they have been presented for a question and feedback statistics from users. In order to create a new pre-configured answer – refer section - How do I create a reviewed answer?

< All topics

B2B Sales

Summary Data User Activity **Verified Answers**

Refreshed 4 days ago
Modified 2 minutes ago by prmysore

Share
Edit details

Verified answers

Responses that were reviewed or manually linked to an existing visual. [Learn more](#)

Visual type	Question	Type	Asked	Validated by	Validated at
	show me weekly sales for california compared to new york in 2020 View	Reviewed	1	wangluis	5 months ago
	what is weekly sales for california compared to new york in last 12 months View	Reviewed	0	wangluis	4 months ago
	monthly sales trend for AmerisourceBergen View	Reviewed	0	wangluis	2 months ago

Total questions: 1
Positive: 0 0%
Negative: 0 0%

Fields selected from dataset 'B2B-Sales-Sample.xlsx':
 Sales
 State
 Order Date

[Remove](#)

7. How to make Topics natural language friendly?

To make a Topic natural language friendly, Authors needs to set and enhance metadata configurations for dataset/fields that correspond to a topic. Metadata of dataset/fields are additional information about fields or values contained in those fields. Generally, datasets, fields are created and named with a technical naming convention and are not easily understood by end users. Q relies heavily on the names, description and other metadata configuration options detailed in the following sections to interpret data and link it to the right terms asked by the user. Therefore, it is important for Authors to enhance their topics with metadata to improve reader experience. Following sections detail how to set and configure metadata for datasets, fields and values.

8. How to set and manage dataset level metadata configurations?

8.1 Friendly Names and Description

Generally, names of datasets are based on technical naming conventions and do not reflect how they are referred to by end users. Authors can make their dataset names user friendly by updating their friendly names and descriptions. Q uses friendly names of datasets to understand dataset contents and select a dataset based on user questions. These friendly names are also presented to Readers as part of the answer to provide additional context. Authors can update friendly names for datasets by clicking the edit link next to the name in the dataset section

Example:

Dataset Name - D_CUST_DLY_ORD_DTL

Friendly Name: Customer Daily Order Details.

Description: Dataset with customer order details for North American marketplace

8.2 Default Date

When there are multiple valid date columns in a Topic the reader is forced to disambiguate to one of the dates in order to generate an answer. Doing so repetitively for all different questions while actually intending to choose a single date always could lead to user frustration. A better experience will be to provide an answer based on a default date and allow readers to change association to a different date if default setting does not meet their needs. A dataset may contain multiple valid date columns, each representing a date for a different stage/phase/activity for a given row. In such cases Authors can choose to set one of the date column as the default date to anchor all date time references and eliminate the need to repetitively disambiguate date questions.

For ex:

If the Topic has - order creation date and order shipped date and if the readers want to anchor all questions to order creation date they would not like to disambiguate every question to choose the same order creation date

Authors can set the Default date of the topic to order creation date

Note: Questions that explicitly use Order shipping date will still use the shipping date column

8.3 Time Basis

Time Granularity indicates the lowest level of time granularity supported by all measures of a dataset. Applicable for datasets that support a single date time granularity. Usually, for de-normalized datasets with a large number of metrics and a single time granularity this option can be set. Q knows how to aggregate metrics present in the dataset across different time dimensions based on this setting.

For ex:



If the topic has – Daily customer order details dataset that supports many metrics at a daily aggregation then the author can set the Time basis of that dataset to “Daily” and Q interprets the setting to determine how to aggregate the metrics

Friendly Name	Last updated	Last refreshed	Description
 B2B-Sales-Sample_cleaned SPICE	an hour ago	2 hours ago	Daily customer orders

Original dataset name: B2B-Sales-Sample_cleaned

Description
Daily customer orders

Time Basis: Daily
Lowest level of granularity

Default date: Order Date
Used when querying the dataset

9. How to set and manage Field level metadata configurations?

9.1 Include/Exclude fields

When a new topic is created, by default Q includes all columns in the dataset into the Topic. It also indexes all unique values of string columns to support auto complete and search capabilities. For details about refreshing data in a topic refer section – How to refresh data in a Q topic? Therefore, if Topics contain columns that are not used or not required by readers they tend to reduce answer accuracy as Q will try to match against all existing fields of a topic. Authors can exclude columns that are unnecessary for a topic that were imported by default along with the dataset. Especially, excluding unused columns improves accuracy of Q’s answers significantly. Authors can exclude a column by clicking on the toggle to include/exclude a field from topic. Note: excluding a column from a topic does not delete the column from the dataset.

View B2B-Sales-Sample.xlsx

Fields
This is the list of fields Q uses to answer questions. Adding Synonyms and filling out the Details helps Q answer questions accurately. [Learn more](#)

Actions: Bulk Actions Add calculated field Add filter Add named entity Filter by: All fields

	Friendly name	Synonyms	Details	Include
<input type="checkbox"/>	fx Sales Calc	Add alternate names for field	Measure	<input type="checkbox"/> ...
<input type="checkbox"/>	# Row ID	Add alternate names for field	Measure	<input type="checkbox"/> ...
<input type="checkbox"/>	Ship Region	Region	Dimension	<input checked="" type="checkbox"/> ...
<input type="checkbox"/>	Product ID	Add alternate names for field	Dimension	<input checked="" type="checkbox"/> ...
<input type="checkbox"/>	Segment	Add alternate names for field	Dimension	<input checked="" type="checkbox"/> ...
<input type="checkbox"/>	Category	group	Dimension	<input checked="" type="checkbox"/> ...
<input type="checkbox"/>	Product Name	Product merchandise SKU	Dimension	<input checked="" type="checkbox"/> ...
<input type="checkbox"/>	# Sales	Revenue Rev spend	Measure	<input checked="" type="checkbox"/> ...

9.2 Friendly name and Description

Generally, names of columns are based on technical naming conventions and do not reflect how they are referred to by end users. Authors can make their field names user friendly by updating the friendly name and descriptions. Q uses these friendly names to understand a field and link it to terms in user questions. These friendly names are also presented to Readers as part of the answer to provide additional context. Authors can update friendly names for columns by clicking the edit link next to the field names.

Example:

Dataset Name – B2B-Sales-Sample

Friendly Name: Daily Customer Sales

Description: Daily Customer Sales by Customer and Region



View **Daily Customer Sales**

Fields
This is the list of fields Q uses to answer questions. Adding Synonyms and filling out the Details helps Q answer questions accurately. [Learn more](#)

Actions: [Bulk Actions](#) [Add calculated field](#) [Add filter](#) [Add named entity](#) Filter by: All fields Search fields

	Friendly name	Synonyms	Details	Include
<input type="checkbox"/>	fx Sales Calc	Add alternate names for field	Measure	<input type="checkbox"/> ...
<input type="checkbox"/>	# Row ID	Add alternate names for field	Measure	<input type="checkbox"/> ...
<input type="checkbox"/>	Ship Region	Region	Dimension	<input checked="" type="checkbox"/> ...
<input type="checkbox"/>	Product ID	Add alternate names for field	Dimension	<input checked="" type="checkbox"/> ...
<input type="checkbox"/>	Segment	Add alternate names for field	Dimension	<input checked="" type="checkbox"/> ...
<input type="checkbox"/>	Category	group	Dimension	<input checked="" type="checkbox"/> ...
<input type="checkbox"/>	Product Name	Product merchandise SKU	Dimension	<input checked="" type="checkbox"/> ...
<input type="checkbox"/>	# Sales	Revenue Rev spend	Measure	<input checked="" type="checkbox"/> ...
<input type="checkbox"/>	# Quantity	units	Measure	<input checked="" type="checkbox"/> ...

9.3 Synonyms

Authors can expand Qs vocabulary by adding different variations of business terms used by users to refer to a particular field. Note that you can add multiple synonyms to a single field. This expands on the vocabulary that Q can detect to map user’s intent to a particular field in the dataset. For example: a “sales” field can be typically referred to by users as “Revenue”, “Rev”, and “spend” in their question. Adding these as synonyms to the “sales” field allows Q to answer the question “show me weekly revenue in California” by linking the “revenue” intent to the “sales” field.

View **Daily Customer Sales**

Fields
This is the list of fields Q uses to answer questions. Adding Synonyms and filling out the Details helps Q answer questions accurately. [Learn more](#)

Actions: [Bulk Actions](#) [Add calculated field](#) [Add filter](#) [Add named entity](#) Filter by: All fields Search fields

	Friendly name	Synonyms	Details	Include
<input type="checkbox"/>	fx Sales Calc	Add alternate names for field	Measure	<input type="checkbox"/> ...
<input type="checkbox"/>	# Row ID	Add alternate names for field	Measure	<input type="checkbox"/> ...
<input type="checkbox"/>	Ship Region	Region	Dimension	<input checked="" type="checkbox"/> ...
<input type="checkbox"/>	Product ID	Add alternate names for field	Dimension	<input checked="" type="checkbox"/> ...
<input type="checkbox"/>	Segment	Add alternate names for field	Dimension	<input checked="" type="checkbox"/> ...
<input type="checkbox"/>	Category	group	Dimension	<input checked="" type="checkbox"/> ...
<input type="checkbox"/>	Product Name	Product merchandise SKU	Dimension	<input checked="" type="checkbox"/> ...
<input type="checkbox"/>	# Sales	Revenue Rev spend	Measure	<input checked="" type="checkbox"/> ...
<input type="checkbox"/>	# Quantity	units	Measure	<input checked="" type="checkbox"/> ...

9.4 Column Role

Every field in a dataset can be marked as dimension or measure. Similar to QuickSight Analyses, Authors can set whether a field is to be treated as a dimension or a measure. This configuration enables Q to interpret users questions better and link these columns in a more appropriate manner. By knowing a column is of type dimension or metric defines what operations can and cannot be performed on a given column. Authors can specify additional settings for each type of column to further refine Qs operations on those columns detailed in the other field metadata configurations. For Ex: By setting column role as dimension for fields such as patient_id, employee_id, Ranks, Ratings Users can avoid Q interpreting these as integer columns as measures and summing them up

9.5 Column Aggregation

Aggregation identifies the aggregate function to be used when columns are aggregated across multiple rows. Authors can set possible aggregation values for two types of aggregation configurations that Q uses to aggregate fields , these are dependent on the column role selected –



Default Aggregations: Authors can set default aggregation of a column such that it will be applied when there is no explicit aggregation function mentioned or identified in the question.

For example:

Field: Product ID (Orders dataset can have the same products sold multiple times)

Default Aggregation: Count Distinct

The above setting will result in

How many products were sold yesterday (a distinct count of product id will be used to answer this question)

Not allowed Aggregations: Authors can use this setting to permanently exclude aggregation functions from being used on a column, irrespective of the question. Authors can use this function especially when Q is incorrectly applying aggregation functions on certain fields.

For example:

Field: Product ID (Orders dataset can have the same products sold multiple times)

Not allowed Aggregation: Sum

The above setting will result in

How many total products were sold yesterday (product id will not be summed up to answer this question)

9.6 Column Value Format

Similar to a QuickSight Analyses authors can specify format of a column value to be used in an answer. Authors can use all standard column formats that are currently supported by QuickSight to format fields shown in answers.

For example:

Field: Order Sales Amount (may have data in \$ and Cents up to the second decimal, but authors desire to round up or show aggregated values to thousands, millions)

9.7 Semantic Type and Sub Type

This configuration allows author to provide information about the information stored in a field. Authors can select from list of pre-defined semantic type and sub type to help Q understand the meaning of the data stored in the column. Q uses Semantic type of a column to support enhanced identification, linking and functions. For example – Q can identify and link columns even based on generic references without depending on explicit column name reference based on qualifiers such as who, what, which, when and so on.

For ex: Location, Duration, Currency, Number, etc... A numeric column can represent currency amount, percentage or Boolean indicator.

The screenshot shows the configuration page for a field named "Region". At the top, there are two tags: "geography" and "geo". Below the field name, it shows "Field name: Ship Region" and "Field type: Attribute". There is a link for "Need help understanding these settings? Learn more". The main configuration area is divided into three columns:

Role	Default aggregation	Not allowed aggregations
Dimension	Count distinct	- Select -
Measure or Dimension	How a metric can be aggregated	Aggregations that are not allowed
Semantic Type	Semantic sub-type	Value format
Location	- Select -	- Select -
Kind of info represented by data	Kind of info represented by data	Formatting displayed in an answer

10. How to set and manage Field values related metadata configurations?

Cell value synonyms: Cell value synonyms works similarly to field synonyms except they apply to value within a particular field. For example, if you have a "Region" field with the values "NW", "SE", "NE" and "SW", you can add synonyms for "NW" to be "Northwest", "SE" to be "Southeast" and so on. Like field synonyms, you can add multiple synonyms that maps to a particular cell value. To add cell value synonyms:

- Click on the field name (blue link). If the field name is not a blue link, make sure you saved the changes you've made so far of the field attributes.
- Click on the "Add Values" button on the right of the page.
- Enter the exact cell value in the data.
- Add synonyms to it.
- Repeat the above step for all the cell values you wish to add synonyms to.
- Once you're done, click "Save".



Values

Save

Name	Synonyms
# NW	northwest

11. What are the new field types that can be created within a Topic?

11.1 Filters

Often times, business users will ask questions that contains terms mapping to multiple cell values in the data. For example, “Show me weekly sales trend in the west”, where “west” refers to both Northwest and Southwest values in the “region” field. To enable such questions that require records from the dataset to be filtered before generating an answer Authors can create a Filter. You can create new filters in the Data/Fields tab by clicking on “Add filter”. These Filters are applied by linking to entities in NLQ

Enforced Dataset Filter:

Authors can define filters that are applied at the dataset level i.e. Filter should be applied to a question whenever any column from that dataset is linked. Authors can choose to enforce a dataset filter irrespective of the question or choose not to apply conditionally - when the filter field is also is filtered explicitly in the NLQ.

Dataset filters (enforced) - Dataset filters that are applied whenever the dataset is used

Authors usually work with generic datasets that they do not own and which may contain more data than what their users need either never or in most scenarios. Authors must be able to filter those records without relying on the dataset owner to restructure the dataset. For ex: Dataset contains orders from multiple marketplaces whereas author wants to support questions only on a single marketplace

Conditional Dataset Filter:

Dataset filters that are applied whenever the dataset is used with an exception when the NLQ mentions an explicit filter on the same field.

Another use case is where authors want to apply a dataset filter by default to all questions from their readers so that readers don't have to mention the filter repetitively unless users requested specific data from that column. For ex: Dataset contains usage for both internal and external accounts and author wants to support question only on external accounts by default unless the reader explicitly requests for usage of internal accounts.

Creating Filters:

Creating Dataset filters follows the same path as that of creating filters - except when creating a dataset filters users have to check the box indicating that it is a “default dataset filter” and an additional check box to indicate if the same should be treated as a conditional dataset filter.

View Daily Customer Sales

Fields

This is the list of fields Q uses to answer questions. Adding Synonyms and filling out the Details helps Q answer questions accurately. [Learn more](#)

Actions: Bulk Actions Add calculated field Add filter Add named entity

Filter configuration

Name: west

Field: Ship Region

Filter type: Custom filter list

Rule: Include

Values: NW, SW

Filter configuration

Name: White Glove Customers

Dataset: B2B-Sales-Sample_cleaned

Field: Customer Name

Filter type: Custom filter list

Rule: Include

Values: Customer1, Customer2, Customer3

Dataset Filter Indicator
Indicator to set whether the filter is applicable whenever the dataset is used

Cancel Save

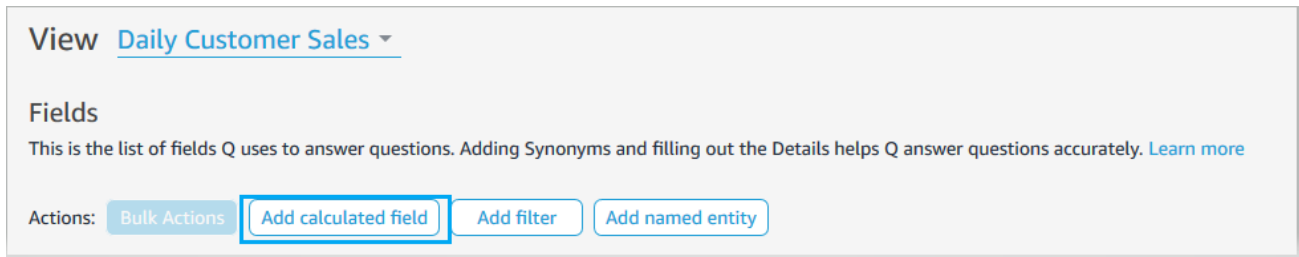


11.2 Calculated Fields

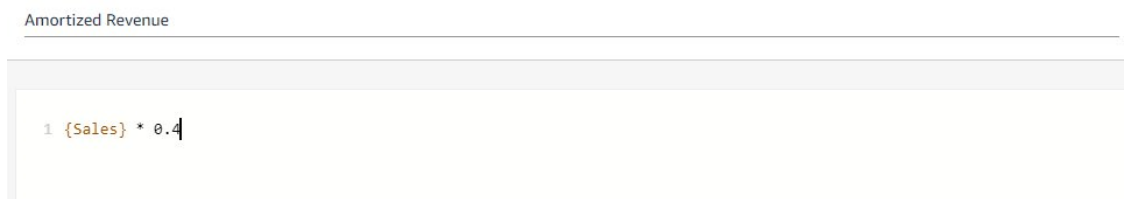
Authors can create new fields by combining two or more fields from dataset using any of the supported functions. They can also import calculated fields from datasets.

For ex: Amortized Revenue = Revenue * 0.4. You can create new named expressions in the Data/Fields tab by clicking on “Add calculated field”

Select Add Calculated Field



Provide Name and expression definition in the editor and save

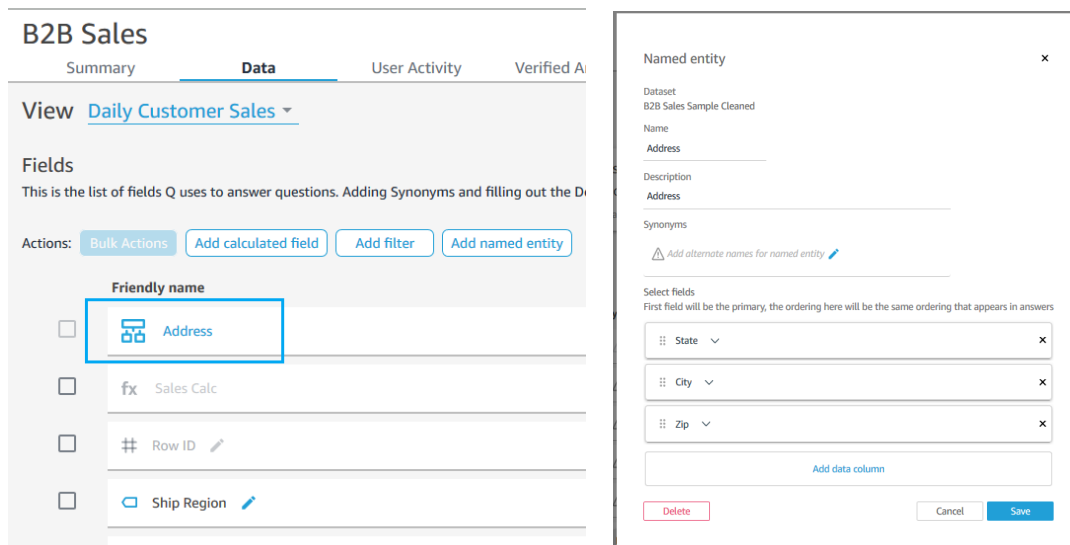


11.3 Named Entities

Authors can create a new entity that is a collection of fields. Readers implicitly refer to multiple columns of data without stating each column explicitly. Currently, Q can identify and link entities in users' questions to a single column in the dataset or to a calculation of multiple columns that resolves into a single value. These multiple columns are required to provide a meaningful or fully formed answer that is a result of understanding of the intent of reader rather than what is just stated explicitly. Authors can support such implied single word references in questions to multiple columns in a dataset without requiring readers to explicitly state every column in their questions using Named entities.

For ex:

1. If author has to provide a city, state and zip information whenever a question is asked about address, they can create a named entity called Address by adding individual fields such as City, State and Zip
2. In another scenario, if the author wants to provide details of Product Id, Name, Publisher whenever a product is asked about in the question they can create a new named entity called Product and add Id, Name and publisher fields to it
3. Performance statistics – is another example where authors can include multiple metrics to be displayed together to indicate the performance of a product



12. How and when to Refresh Topic Data?

When a Topic is created by Author, internally, Q creates and maintains an index with definitions and data of a Topic. This index is used by Q to generate the right answer, to provide auto complete suggestions (suggestions to complete a word as it is being typed into a question) and for disambiguation suggestions (prompts to map a term in question to either a column or a value in data). Authors should update the index regularly to ensure latest definitions and values of data is captured and represented in Qs Topic Index. This process typically takes 15 to 30 minutes depending on the number and size of datasets included in the topic.

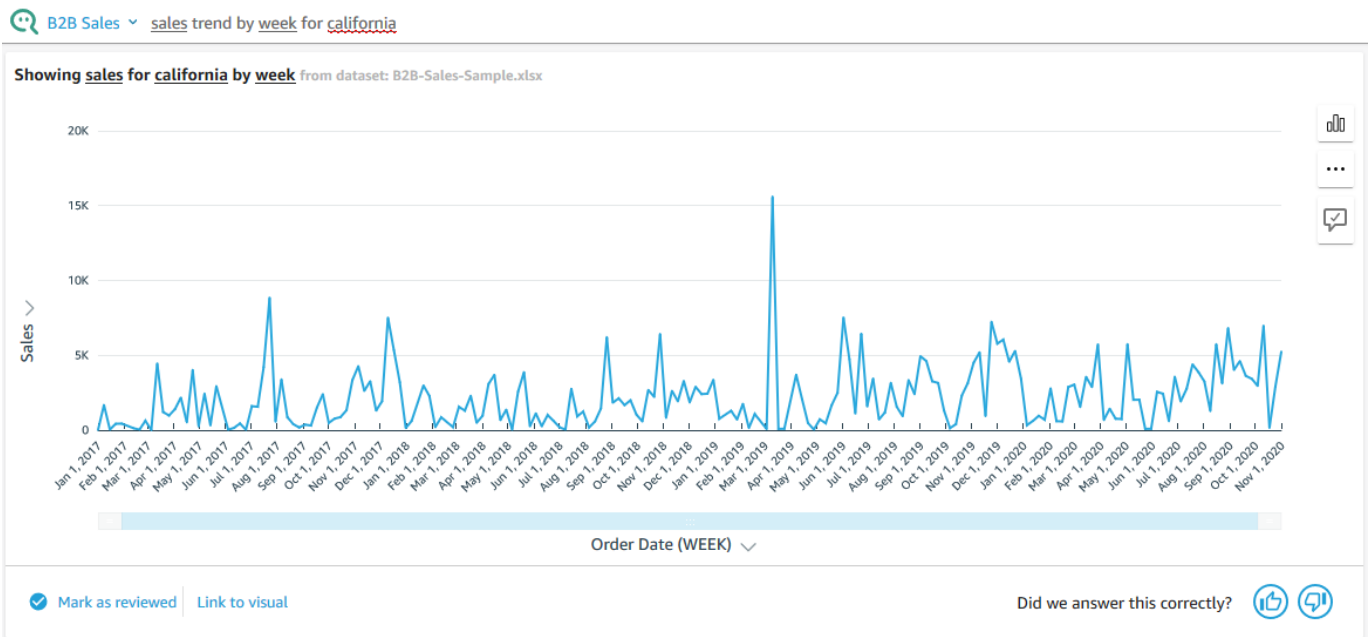
Topic Index Management (Upcoming)

Q maintains an index of all unique values of string fields in a topic, we refer to this as a Topic Index. Q creates, updates, stores and maintains a topic index internally and does not expose the index to Authors. It must be noted that a Topic index is not a replicated copy of all data included in a topic instead it is an index of unique string values of fields included in a Topic.

Until latest release, users could refresh a topic index manually by initiating a refresh of all datasets in the topic. However, in the upcoming release Authors can refresh a topic index by individual dataset. They can set a recurring refresh schedule for every dataset included into the topic and for spice datasets they can sync the index refresh schedules to match with the Spice refresh. Authors can also view dataset refresh history to monitor past runs

13. Asking questions about your Topics

You can test your Topic by asking questions in the search bar at the top of QuickSight page. Based on the answers provided you can improve the topic until desired performance is reached and all required columns have well-structured user-friendly language components.



14. Share Topics with Others

Topics can be made accessible to other authors and readers by sharing it with them. Topic sharing works similar to sharing dashboards and enables the shared Topic in the search bar via topic selector drop down.

Note that during preview, all users must use the new QuickSight URL mentioned in pre-requisites to activate QuickSight Q.

Share topic with users

Select users in this account.

Name	Email	Permission	Role
------	-------	------------	------

[Manage topic access](#) [Share](#)

15. How to correct a wrong answer provided by Q?

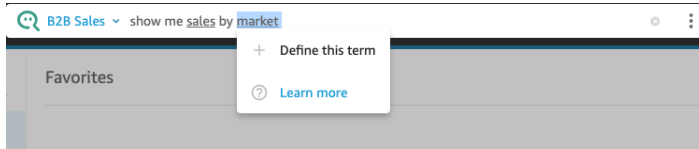
After user submits a question, Q identifies the entities, which includes measures and dimensions, in the question and links them to appropriate dataset values to generate an answer. Measure is a numerical value that can be used in mathematical calculations (average, count, min, max, sum). Dimension is an attribute that is used to categorize measures. The restatement in the answer panel shows details about the entity and dataset used to generate the answer.

Issues with identifying entity and linking it to a dataset may result in an undesired answer. In such cases, the user has the following options to generate desired answer 1) fix entity recognition and linking in Q bar before submitting the question, 2) fix entity handling in the restatement to regenerate the answer, and 3) customize the visual

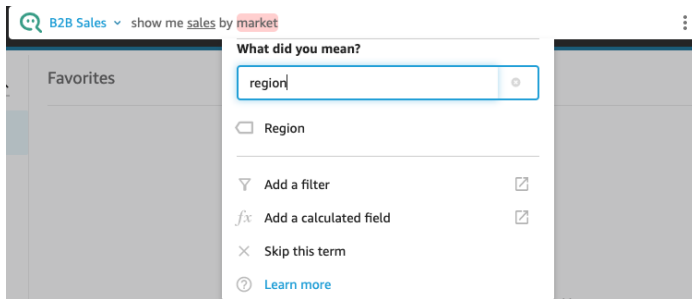
1. Fix entity recognition and linking

1.1. To define one or more terms as entity when Q did not recognize the entity in the question

1.1.a Highlight the term or terms in the question and click “define this term” to see an entity update dropdown menu.

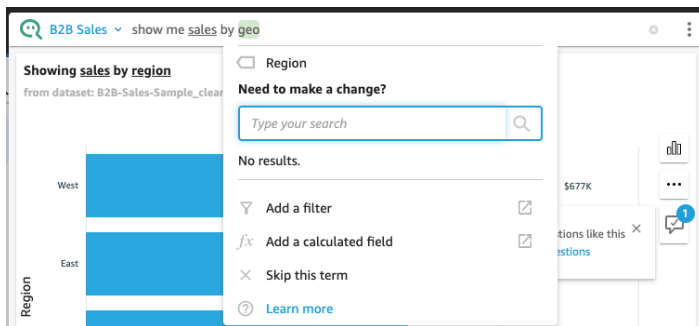


1.1.b From the dropdown menu, select the corresponding dataset column or value to be linked to the term



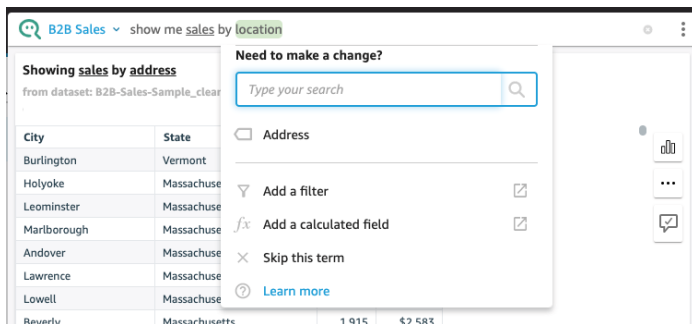
1.2. To remove an incorrectly identified entity

1.2.a Select the term and click “Skip this term”

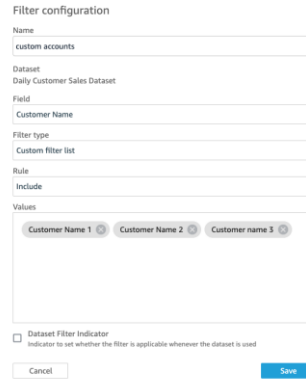
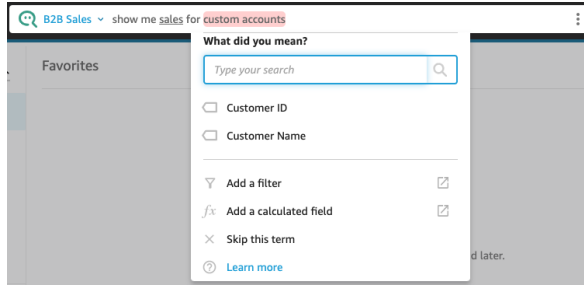


1.3. To update the entity linking to the dataset, click on the underlined term in the question to see an entity update dropdown menu.

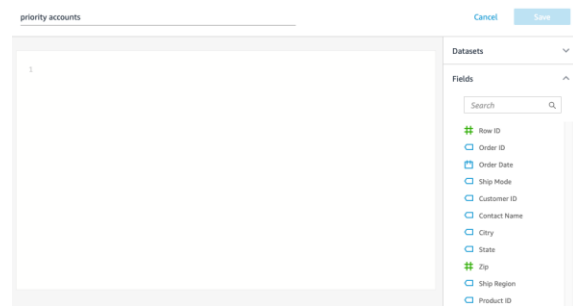
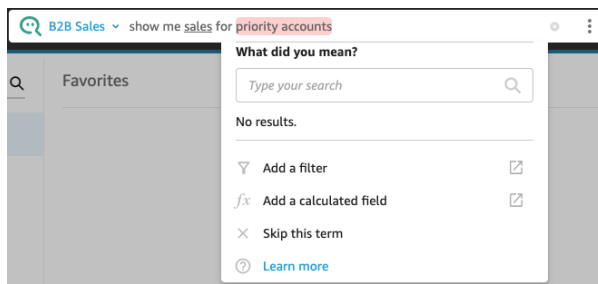
1.3.1. From the dropdown menu, select the corresponding dataset column or value to be linked to the entity



1.3.2. [Authors Only] From the dropdown menu, select “Add a filter” to create a new filter and link it to the entity



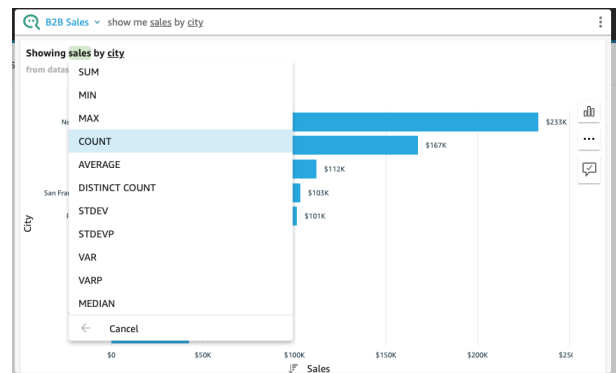
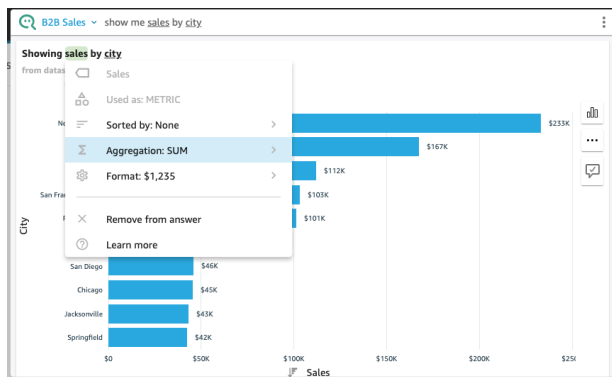
1.3.3. [Authors Only] From the dropdown menu, select “Add a calculated field” to create a new field and link to the entity



2. Fix entity handling in the restatement

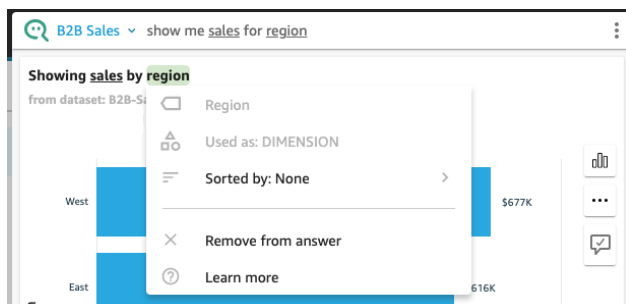
2.1. To change aggregation

2.1.a. Click on entity name in restatement and select aggregation



2.2. To remove an entity from being used in the final visual

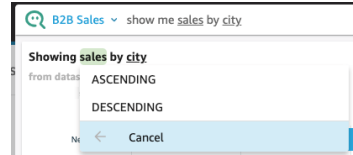
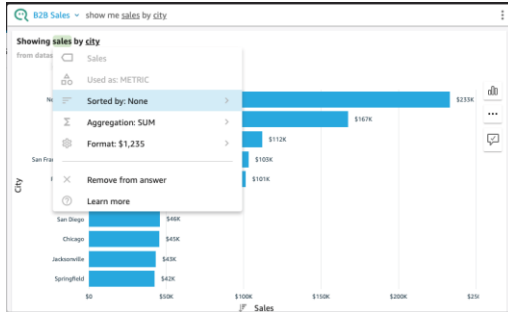
2.2.a. Click on the entity name in the restatement and select “Remove from answer”



3. Customize visual

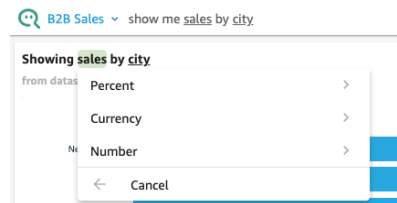
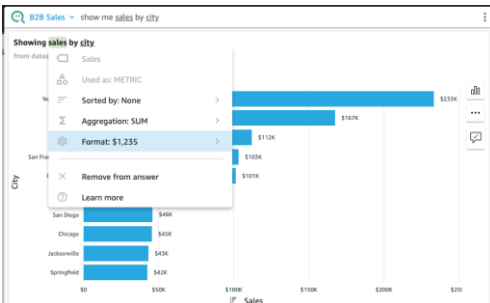
3.1. To change sort order

3.1.a. Click on entity name in restatement and select sort



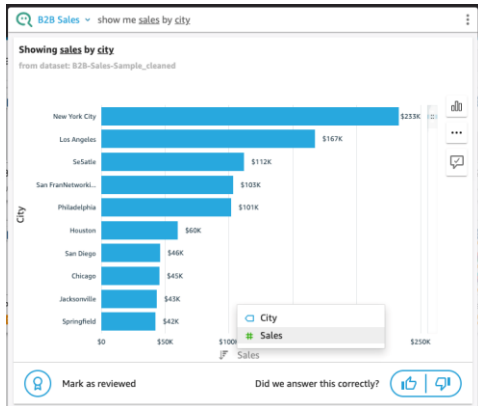
3.2. To change format

3.2.a. Click on entity name in restatement and select format



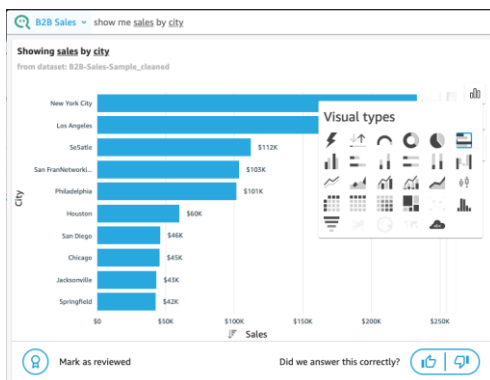
3.3. To change visual axis

3.3.a Click on the chart axis in the answer panel and select entity name



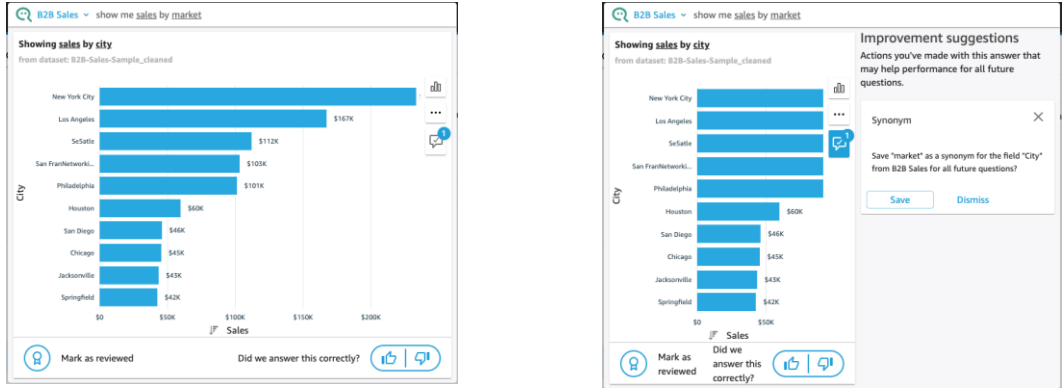
3.4. To change chart type

3.4.a. Click on chart icon in answer panel and choose new chart type

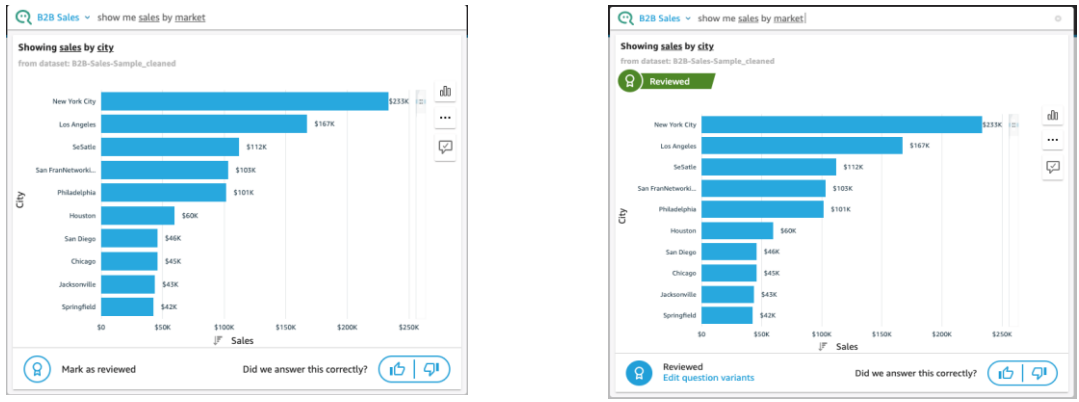


16. How to save corrections made to Qs answers?

When authors make changes to entity recognition or linking, the answer panel will show a suggestion to save change to topic metadata to improve performance answering future questions.



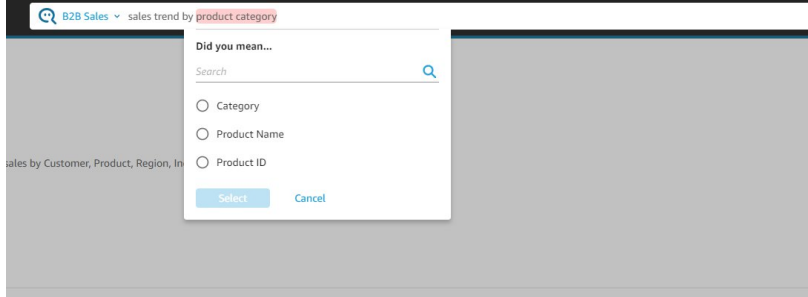
In addition, authors can mark the question as “Reviewed” after making updates to entity recognition, entity linking, aggregation, visual chart preferences and generate a desired answer for their question. Q will then use the author saved preferences when answering the same question in the future. The answer panel for questions reviewed by authors will show a “Reviewed” badge. To mark a question as reviewed, click on “Mark as reviewed” in the answer panel.



17. What to do when Q is unable to provide an answer?

In some scenarios Q may not be able to provide the right answer even with user disambiguation. In such cases authors can create a “Linked answer” by linking the question manually to an existing visual on a dashboard. You can create a “Linked answer” by clicking on feedback option “Not Quite Right” and choosing “Manually link to a specific visual”

Q automatically highlights the unrecognized term, disambiguate to the right value by selecting one of the options



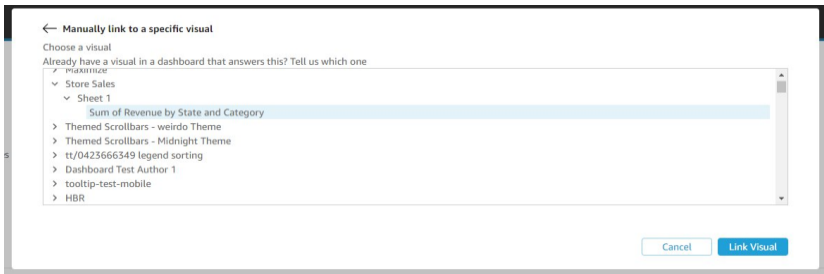
Review the answer generated based on the disambiguation input, If the answer provided is still wrong click on “Not quite right”



Choose Manually link to a specific visual to link the answer to an existing visual in QuickSight



Navigate to the existing visual and select it to create a “Linked Answer”



18. How to review Topic performance?

Once a Topic is created, authors can review - the number of questions asked and breakdown by feedback received on answers (positive, negative, comments). Topic KPIs are displayed in the summary page and details of questions can be viewed by clicking the User Activity tab. Authors can also filter the list of questions displayed by feedback type.

B2B Sales Refreshed 3 hours ago
Modified 22 minutes ago by prmysore [Share](#) [Edit details](#)

Summary **Data** User Activity Reviewed Answers

User activity
See everything users asked and how well Q responded for this topic. [Learn more](#)

Total questions

316

Positive

5 2%

Negative

2 1%

1 comments

Filter by: See all questions

Question	Submitted by	Submitted ↓	Feedback	Issue type	Comment
show % of total sales for top 10 customers View	prmysore	an hour ago	No feedback	-	No
show % of total sales for top 10 customers View	prmysore	an hour ago	No feedback	-	No
show me customer id and order id for products bought in new york or california by customer and state View	prmysore	an hour ago	No feedback	-	No
show me customer id and order id for products bought in new york or california by customer and city View	prmysore	an hour ago	No feedback	-	No
show me customer id and order id for products bought in new york or california by customer View	prmysore	an hour ago	No feedback	-	No

Answer type
Q generated

Fields selected from dataset 'B2B-Sales-Sample_cleaned':

- State
- Customer ID
- Customer Name
- Order ID

19. What Question Types are currently supported by Q?

Question Type	Supported
Dimensional Group Bys (e.g., revenue by product)	✓
Dimensional Filters (include) (e.g. sales for Dynamo Inc)	✓
Date Group Bys (e.g., what is the weekly/monthly revenue trend)	✓
Multi Metrics (e.g., What is actual revenue compared to goal)	✓
KPI-based PoPs (e.g., what is the revenue difference WoW?)	✓
Relative date filters (e.g., show me revenue trend for the last 12 weeks)	✓
Date aggregation (e.g., show me revenue by quarter)	✓
Time range filters (e.g., how many new users do we have since Jan 2020?)	✓
Top / Bottom Filter (e.g., top 10 customers by regional sales last week)	✓
Support for PtD PoP (Period to Date, Period over Period)	✓
Non-KPI based Table Calculations (e.g., product with largest WoW growth %)	✓
Sort Order (e.g., products with most revenue last week)	✓
Aggregate Metrics Filter (e.g., customers who spent more than \$1M last month).	✓ (NEW)
List questions (e.g., show me all opportunities created last month)	✓ (NEW)
OR filters (e.g., Show me defect that are open OR older than 3 months)	✓ (NEW)
% of Total (e.g., What is % of total revenue by product in 2018)	✓ (NEW)
Where (e.g., where did we have the most sales in 2020?)	✓ (NEW)
When (e.g., when did we have more than 50,000 in sales per week?)	✓ (NEW)
Who (e.g., who made the most sales last month?)	✓ (NEW)
Exclude (e.g., show me weekly sales excluding New York).	✓ (NEW)

20. How to contact us or provide feedback?

If you have any feedback or run into any issues, please email: aws-qs-q-feedback@amazon.com

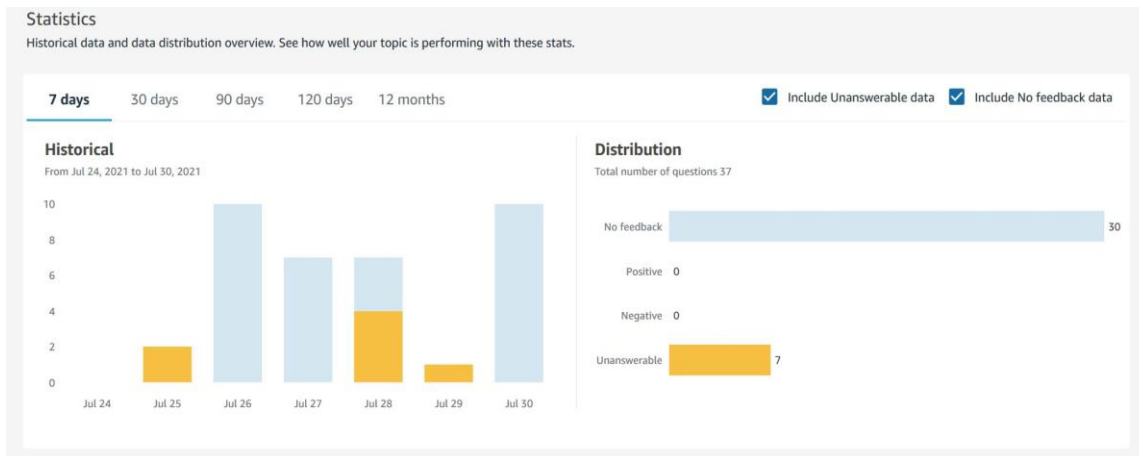


21. What's New

21.1 8/4/2021

1. Topic Summary Page

The summary view now shows a historical trend and distribution chart that show user engagement with the topic. Metrics include questions broken down by feedback and answer status. Authors can customize the chart time span to 7 days, 30 days, 60 days, 120 days, and 12 months. Authors can also exclude data for unanswerable questions and no feedback questions from the charts via the check boxes available in the chart window.



2. Topic Datasets

Scheduled Refresh

Previously, authors were required to perform dataset refresh manually. With the current release, authors will be able to set a schedule an automated dataset refresh on a regular frequency. Authors can setup independent index refresh schedule for direct query datasets whereas for spice datasets they can schedule automated refresh to be in sync with spice dataset refresh schedule (monthly, weekly and daily refresh schedules are supported). Spice datasets that are scheduled to refresh hourly will be refreshed once a day.

The screenshot shows the 'Datasets' page with a subtitle: 'This is the list of your datasets used in this topic. You can add details, set schedules, or even add a friendly name to your dataset.' It features a table of datasets and a detailed view of a dataset named 'B2B-Sales-Sample.xlsx'. The table has columns for 'Friendly Name', 'Updated', 'Details', 'Default date', 'Refresh schedule', and 'Refreshed on'. The detailed view shows the 'Original dataset name' as 'B2B-Sales-Sample.xlsx' with a 'SPICE' tag, and a 'Scheduled refresh' section with a message: 'There is not a refresh schedule attached to this dataset'. Below this message are buttons for 'Add schedule', 'View history', and 'Refresh now'.

Friendly Name	Updated	Details	Default date	Refresh schedule	Refreshed on
B2B-Sales-Sample.xlsx	a few seconds ago	Daily	Order Date		July 30, 2021

3. Data

Calculations, filters and named entities can now be easily discovered and created from Actions bar.

The screenshot shows the 'Fields' section with a subtitle: 'This is the list of fields Q uses to answer questions. Adding Synonyms and filling out the Details helps Q answer questions accurately.' It features an 'Actions' bar with buttons for 'Bulk Actions', 'Add calculated field', 'Add filter', and 'Add named entity'.

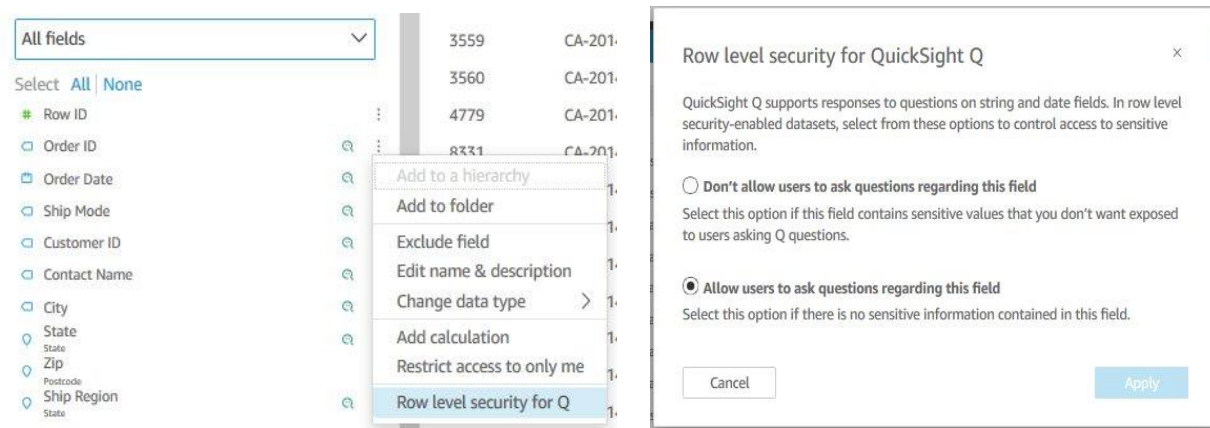
4. Named Entity

Named entities created now appear as fields as shown below.



5. Support for Row-Level Security (RLS) enabled datasets

You can now bring in RLS enabled datasets into a Topic in Q. Before you add an RLS dataset to a Topic, make sure to edit your dataset in data prep and select the field(s) to enable for Q. In data prep, click the menu for a field on the field list and choose Row Level security for Q option as shown below and select the option to either allow or not allow the field for users to ask questions.



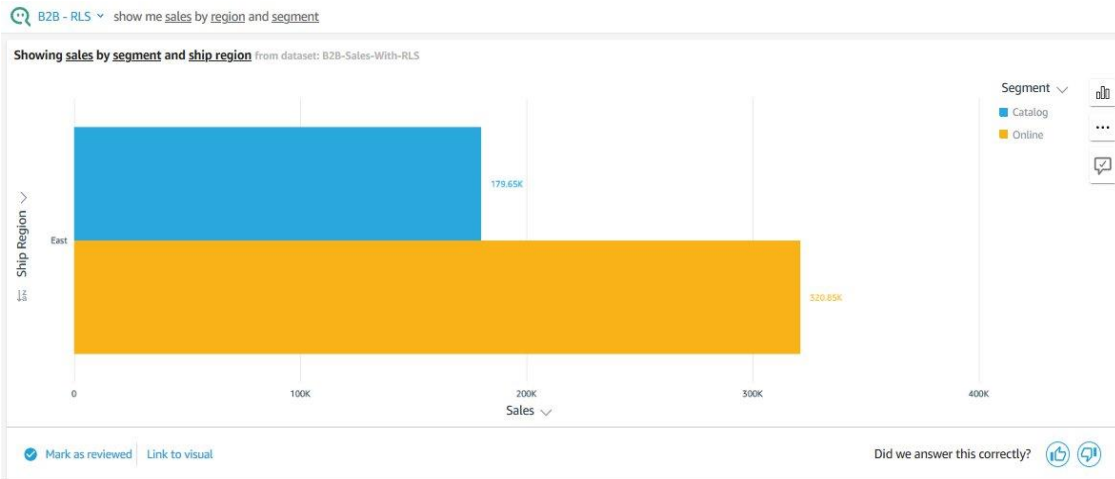
When selecting the RLS option in data prep on a per field basis, please keep in mind the following:

1. If you have string fields that are sensitive (e.g., username, customer name, etc...) that you DON'T want all of your users to see those values, select "Don't allow users to ask questions regarding this field". When this option is selected, the field in question will not be available for users to ask questions.
2. If you have string fields that can be exposed to all users of the Q Topic, select "Allow users to ask questions regarding this field". When this option is selected, users of your Q Topic will be able to ask questions about this field and also see the string values during Q's autocomplete and disambiguation experiences on the search bar.

This option is done on a per field basis to provide authors with the flexibility to determine which string fields are sensitive or not to be exposed to all users of the Q Topic.

All metrics (e.g., sales, revenue and other numeric fields) will respect the RLS rules applied to your dataset. So, when a user asks "show me total sales last month", they will only see the portion of sales corresponding to their permission as define in the RLS rule dataset. Similarly, when they ask "show me sales by region", they will only see the sales number for regions they have permissions to.

Below, you can see that when you now ask "show me sales by region and segment", the data is returned based on the user's access to the underlying data. In this example, only East Region, Catalog, and Online segments are returned by Q as defined by RLS restrictions for that user.



21.2 7/20/2021

1. New Question Types

Questions with Nested Conditions (Partitioned Metrics): Previously, Q supported nested conditions where there was a single pre-condition that was applied as a filter to the data before generating an answer. However, Q now supports one level of nested aggregations that can be evaluated before generating a final answer.

For example: Previously Supported: How many products had sales greater than \$1000

New:

- Which products are sold in most countries with sales greater than \$1000
- Number of stores by state with square footage greater than 10K
- Number of customers per region with sales greater than 10K

2. Filter Enhancements

Non-aggregated numeric fields: A new setting enables numeric data to be used as a filter without it being pre-aggregated. When a numeric field is selected for a filter, in the aggregation section you can select "No-Aggregation" to ensure that the field is not aggregated prior to filter being applied.

For example: Show me total sales for Young Adults

Filter: Young Adults

Definition: Field "Age" between 13 and 19

Filter configuration ✕

Name
Young Adults

Dataset
Demographics Data

Field
Age

Aggregation
No aggregation

Rule
Between

Minimum value (included)
13

Maximum value (excluded)
19

Apply the filter anytime the dataset is used

Apply always

Apply always, unless a question results in an explicit filter from the dataset

Cancel Save

3. Conditional dataset filters

New option to enable dataset filters conditionally. Previously, filters that were marked as dataset filters would always be applied whenever a dataset is used to ask a question. With Conditional dataset filters users can enable dataset filters as long as the question doesn't result in a filter on the same column. If a question results in a filter on the same column then it takes precedence over the default dataset filter defined on that column.

Filter configuration

Name
Region

Dataset
SaaS Sales

Field
Region

Filter type
Custom filter list

Rule
Include

Values
APJ AMER

Apply the filter anytime the dataset is used
 Apply always
 Apply always, unless a question results in an explicit filter from the dataset

Cancel Save

4. **Excluded Fields:** Previously, fields that were excluded from topics were not available to be used. In the current release, excluded fields will still not be directly available for questions. However, authors can use these fields as input to other fields such as calculated fields, filters and named entities.

5. Bug Fixes

- **Dataset:** Previously, fields removed from dataset broke Topic page. This issue is resolved.
- **User Activity:** Filter to show unanswerable questions in user activity tab is now fixed
- **Named entity:**
 - Previously named entity columns referenced in a question was aggregating data causing incorrect results. In this release, named entities are set to not allow to aggregate.
 - Named entity shows blank in restatement – this issue is fixed.
- **Calculated columns:**
 - Previously updating metadata on calculated fields renders the calculation invalid and Q does not return an answer. This issue is resolved.
 - Default aggregation on calculated columns when set, will now persist and use the specified aggregation.

21.3 7/7/2021

1. **New question patterns** – We have expanded our question pattern support to include “since date” and superlatives.

- Since YYYY – E.g., Show me monthly sales for outdoor activities since 2018
- Superlatives on semantic types
 - Age – youngest, most junior, oldest, eldest, most senior.
 - Distance – shortest, closest, longest, farthest,
 - Duration - quickest, shortest, fastest, slowest.
 - Dates – earliest, first, oldest, most recent, latest, last, newest.
 - Speed – Slowest, fastest, quickest

- Currency – cheapest, most expensive, most cost effective, lease cost effective.

Showing by **product name and order date** from dataset: B2B-Sales-Sample.xlsx

Order Date	Product Name
Jan 3, 2017	Message Book, Wirebound, Four 5 1/2" X 4" Forms/Pg., 200 Dupl. Sets/Book
Jan 4, 2017	Avery 508
Jan 4, 2017	GBC Standard Plastic Binding Systems Combs
Jan 4, 2017	SAFCO Boltless Steel Shelving
Jan 5, 2017	Avery Hi-Liter EverBold Pen Style Fluorescent Highlighters, 4/Pack

2. **Topic Management Improvements**- Enhancement to Topic fields User Interface to make actions such as adding calculated fields, filters and named entities more accessible and discoverable.

Fields

This is the list of fields Q uses to answer questions. Adding Synonyms and filling out the Details helps Q answer questions accurately. [Learn more](#)

Actions: [Bulk Actions](#) [Add calculated field](#) [Add filter](#) [Add named entity](#) Filter by: All fields Search fields

	Friendly name	Synonyms	Details	Include
<input type="checkbox"/>	# Row ID	Add alternate names for field	Measure	<input type="checkbox"/>
<input type="checkbox"/>	Ship Region	Region	Dimension	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Product ID	Add alternate names for field	Dimension	<input checked="" type="checkbox"/>

3. **Science Improvements** to choose correct dataset in a multi dataset scenario when answering a question.
4. **Bug Fixes**
 - Support for date fields in Named Entities
 - Improved auto complete experience.
 - Calculated field editor now allows fields and functions to be scrollable or selectable.
 - Better default charts by improved chart type selection logic

21.4 6/10/2021

Model Improvement - We released a new model that includes improvements to entity detection and linking, robustness in handling language variations and fixes to various bugs previously identified. You should see an overall improvement in the answer accuracy and consistency.

Enhanced Topic Metadata - In this release, we are adding the following new enhancements to provide authors a more enriched experience by enabling control and flexibility to dictate Q's behavior based on the nature of data.

1. **Topic Summary** acts as the new landing page for every topic and addresses three areas –

B2B Sales

Summary

Data

User Activity

Reviewed Answers

Exclude unnecessary fields

Review all fields of your topic and exclude those that must not be used to provide answers

1W

1M

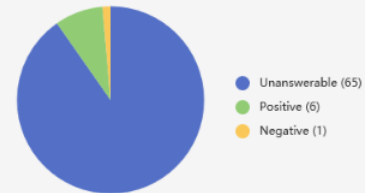
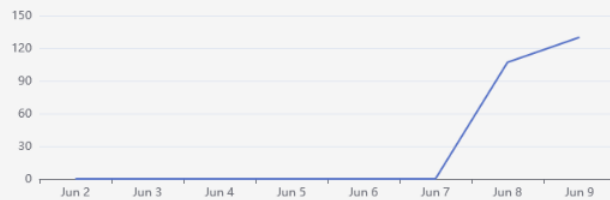
3M

6M




1Y

View All Questions ▾

Feedback






Datasets

Friendly Name	Last updated	Last refreshed
 B2B Sales Sample Cleaned  B2B-Sales-Sample_cleaned 	6 minutes ago by prmysore	15 minutes ago

- a. **Suggestions** - Authors who are new to topic management now get better step by step guidance which allows them to improve the overall topic performance. Authors can accept each suggestion by clicking on the specific action button provided at the end of the suggestion.
 - b. **Metrics and KPIs on Topic Performance** - Authors get visibility to how users engage with their topics and their feedback on the answers generated. In addition to being able to choose what metrics they want to see they will have the capability to change the time span, they can select a time span of day, week, 3 months, 6 months and 1 year.
 - c. **Dataset Management** - Datasets included in a topic can now be viewed in the summary tab. Users can update additional dataset related metadata by expanding the dataset card. Datasets now also show time granularity and have the ability to set primary date of dataset metadata.
2. **Data** enhancements include the following –
- a. **Auto save Metadata Changes** - Metadata configuration changes are not required to be saved explicitly anymore. Authors do not have to worry about losing any configuration changes because of transition between different fields/datasets/pages.
 - b. **Work with multiple datasets at once** - Authors can now choose to work with fields from multiple datasets at once. Authors can select multiple datasets to view all fields and use sorting functions to order fields with same/similar names
 - c. **Enhanced Field Search** - Authors can now search fields based on synonyms as well.
 - d. **Filters** - you can define filters at the dataset level and also add named filters on calculated fields.
 - e. **Metadata Configuration** - for data fields, you can now set default aggregation, not allowed aggregations, count distinct in aggregations, column role, column value format, semantic type, semantic sub type, inverted metric to help improve Q accuracy.




Region  geography  geo 


Field name: Ship Region Field type: Attribute Need help understanding these settings? [Learn more](#)

Description


Role

Dimension  Measure or Dimension


Default aggregation

Count distinct  How a metric can be aggregated


Not allowed aggregations

- Select -  Aggregations that are not allowed


Semantic Type

Location  Kind of info represented by data



Semantic sub-type

- Select -  Kind of info represented by data

















Value format


- Select -  Formatting displayed in an answer

- f. **Named Entities** – allow you to group related fields together. As an example, you can define “location” as a named entity to include State, City, and Zip. When you ask a question “show me sales by location”, Q will generate a visual with all the fields grouped together in the resulting answer.

 B2B Sales  show me sales by location

Showing sales by location
from dataset: B2B-Sales-Sample_cleaned

State	City	Zip	
 Alabama	 Auburn	36830	1,767
	 Decatur	35601	2,910
	 Florence	35630	1,997
	 Hoover	35244	526
	 Huntsville	35810	1,665
	 Mobile	36608	5,463
	 Montgomery	36116	3,723
	 Tuscaloosa	35401	34
 Arizona	 Avondale	85323	947
	 Bullhead City	86442	22
	 Chandler	85224	226
	 Gilbert	85234	4,172
	 Glendale	85301	1,946
	 Mesa	85204	3,419
Total			2,120,713

 Mark as reviewed

3. **User Activity** – Authors can now review all questions in a dedicated area. For every question, Authors can now get information about all the fields identified and linked in the question.

B2B Sales

Summary Data **User Activity** Reviewed Answers

User activity
See everything users asked and how well Q responded for this topic. [Learn more](#)

Total questions

237

Positive

5 2%

Negative

2 1%

1 comments

Question	Submitted by
show me sales of california compared to new york View	prmysore
show me monthly trend of sales for california View	prmysore
who has the most sales in california View	prmysore
who has the most spend in california View	prmysore
who has the most spend in california View	prmysore
show me monthly trend of sales for california View	prmysore

4. **Reviewed Answers** – Authors can now manage answers here that are curated to provide pre-configured answers to questions.

B2B Sales

Summary






Data

User Activity

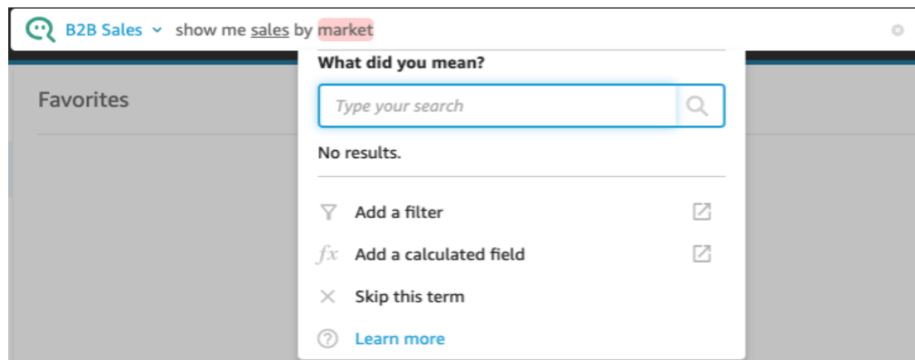
Reviewed Answers

Verified answers

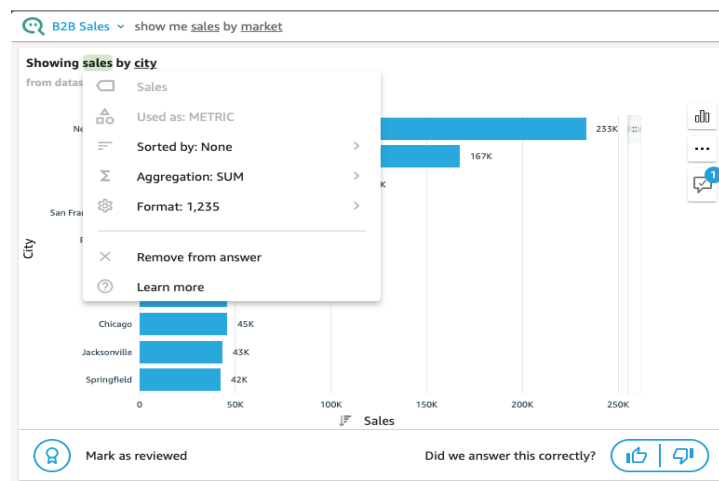
Responses that were reviewed or manually linked to an existing visual. [Learn more](#)

Visual type	Question	Type
	show me sales of california compared to new york View	● Reviewed
	show me monthly trend of sales for california View	● Reviewed
	who has the most sales in california View	● Reviewed
	show me sales by state View	● Reviewed
	total sales by segment View	● Reviewed

5. **Inline Fixes** – you can now generate desired answers by clarifying terms in the question: Users can control how the terms in their questions are linked to the underlying dataset when Q generates an answer. They can select the terms in the question to define them, skip from answer, or overwrite how Q links these terms to the measure or dimensions. Authors have additional capability to create a filter or calculated field and link it to the terms.



Change visual using options in answer panel: The restatement in the answer panel has options for the users to 1) change the aggregation (average, count, sum etc.) and regenerate answer 2) skip the term from answer, 3) change sorting order, and 4) format values shown in the chart. Users can also swap chart axis by clicking on the axis label.

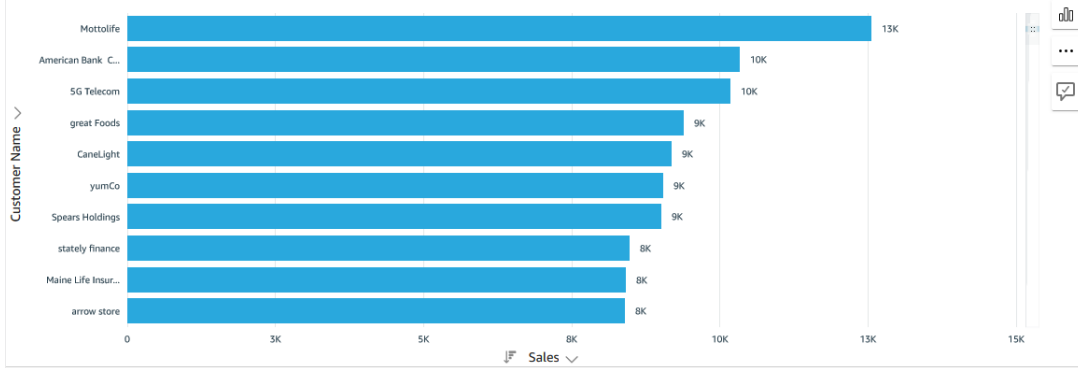


6. **Question Types** – support for “Who”, “Where”, “When”, simple “OR” filters, and “% of Total” is now available.

B2B Sales who has the most sales in california

Showing sales for california by customer name

from dataset: B2B-Sales-Sample_cleaned



Mark as reviewed

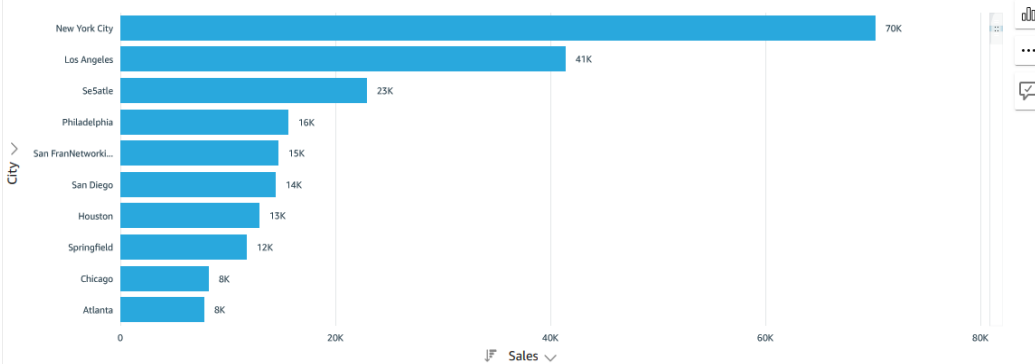
Did we answer this correctly?



B2B Sales where did the most sales happen in 2018

Showing sales for from 2018 until 2019 by city

from dataset: B2B-Sales-Sample_cleaned



Mark as reviewed

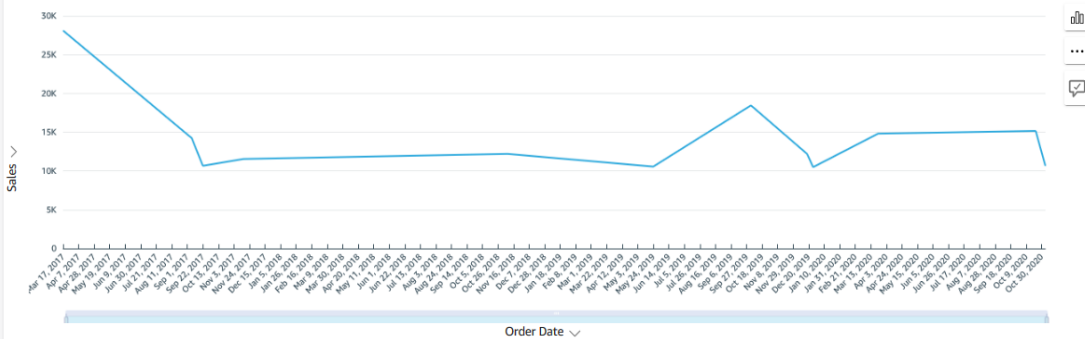
Did we answer this correctly?



B2B Sales when were sales more than \$10000

Showing sales sales is more than 10000 by order date

from dataset: B2B-Sales-Sample_cleaned



Mark as reviewed

Did we answer this correctly?



B2B Sales - show me customer id and order id for products bought in new york or california by customer and state

Showing for (california or new york) by customer id, customer name, order id and state
from dataset: B2B-Sales-Sample_cleaned

Order ID	Customer ID	State	Customer Name
CA-2011-105172	PK-18910	California	5G Telecom
CA-2011-105270	AP-10915	California	5G Telecom
CA-2011-123260	FM-14290	California	5G Telecom
CA-2011-146969	AP-10915	California	5G Telecom
CA-2011-157623	DK-13225	California	5G Telecom
CA-2012-110814	BD-11635	New York	5G Telecom
CA-2012-114811	KD-16495	New York	5G Telecom
CA-2013-103163	FM-14290	California	5G Telecom
CA-2013-123337	KD-16495	California	5G Telecom
CA-2013-127138	DK-13225	California	5G Telecom
CA-2013-130288	DK-13225	New York	5G Telecom
CA-2013-168543	DK-13225	New York	5G Telecom
CA-2014-100650	DK-13225	California	5G Telecom

View: 500 items << < 1 of 3 > >>

Mark as reviewed Did we answer this correctly? [thumbs up] [thumbs down]

B2B Sales - show % of total sales for top 10 customers

Showing top 10 customer name by sales
from dataset: B2B-Sales-Sample_cleaned

Customer Name	Sales %
SoFly Air Lines	2%
Spears Holdings	2%
value Energy	2%
Dynamo Inc	2%
AmerisourceBergen	2%
Mottolife	2%
great Foods	2%
Simple-Search	2%
stately finance	2%
PCA Holdings	1%

Mark as reviewed Did we answer this correctly? [thumbs up] [thumbs down]

21.5 5/12/2021

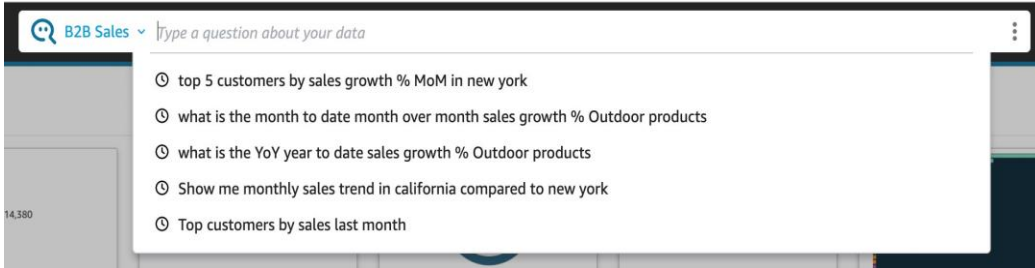
- Embedding** - Customers can now embed the QuickSight Q search bar in their own applications. To learn more on how to embed the Q search bar into your application, watch the [demo video](#) and check out the [developer guide](#).
 - Coming soon: Ability to theme the Q search bar's look and feel using QuickSight's theme editor.
- Cell-value aware entity recognition** - This enhancement to our entity recognition model improves the accuracy of recognizing the entities in the questions. Our entity recognition model now has the visibility of all the values available in all of the string fields in the datasets. This helps the model better determine what an entity is and how that needs to be linked to the data and what does not. For example, say you have a field Product and one of the products is called MHR 256D PRO. Given a user question "MHR 256D PRO orders in the last 7 days", with cell-value awareness, the model better predicts that "MHR 256D PRO" (three words) is a single entity and that it needs to apply a filter for this entity.
- Enhanced Topic Metadata** - Previously, Q allowed authors rich metadata such as friendly names, descriptions, and synonyms to their data as well as create calculated fields and named filters to expand on the types of questions and language that Q can answer. In this release, we are adding 10 new additional metadata to provide authors even more control and flexibility to dictate Q's behavior based on the nature of the data. Authors can now define the default aggregation type as well as blacklist aggregation types for a particular fields. For example, you can prescribe Q to always default to COUNT DISTINCT when aggregating "product ID". You can also define the roles of a field (Dimension vs Measure), the Semantic Type, Formatting, Default Filters and many more. This feature is currently in a private beta. If you'd like to try it out, please email: aws-qs-q-feedback@amazon.com
- Bug Fixes**
 - Autocomplete - Fixed an issue where clicking on one of the suggestions from autocomplete would result in duplication of words in the question in multi-token scenarios.
 - Chart type selection lag - Fixed the issue where clicking on the chart type selection to change chart type of the answer would result in a lag of ~5 seconds for the UI to respond.



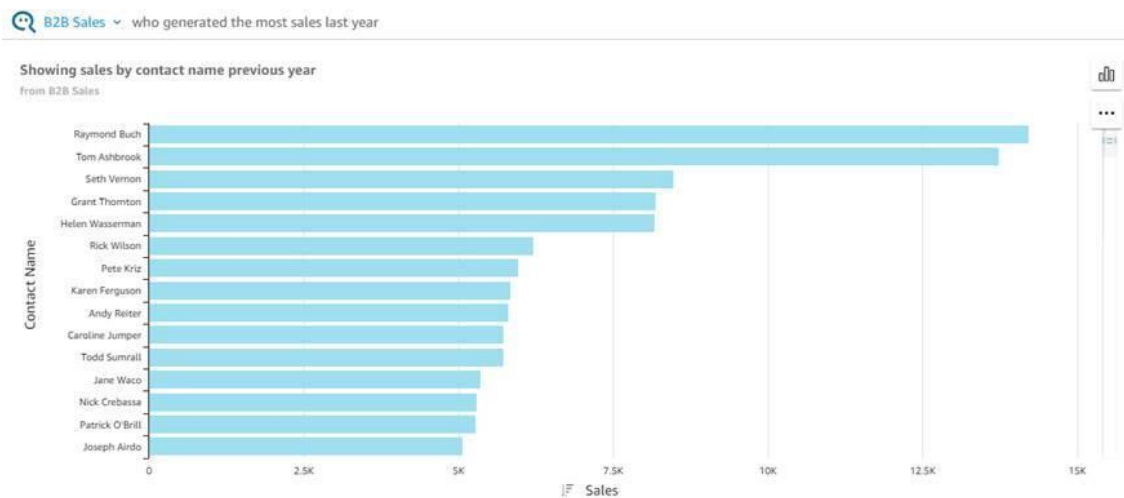
- Data prep calculated fields - Previously, answers that uses calculated fields created in data prep using aggregation functions (e.g., SUM) resulted in “can’t answer this question” failures. This issue is now fixed.

21.6 4/15/2021

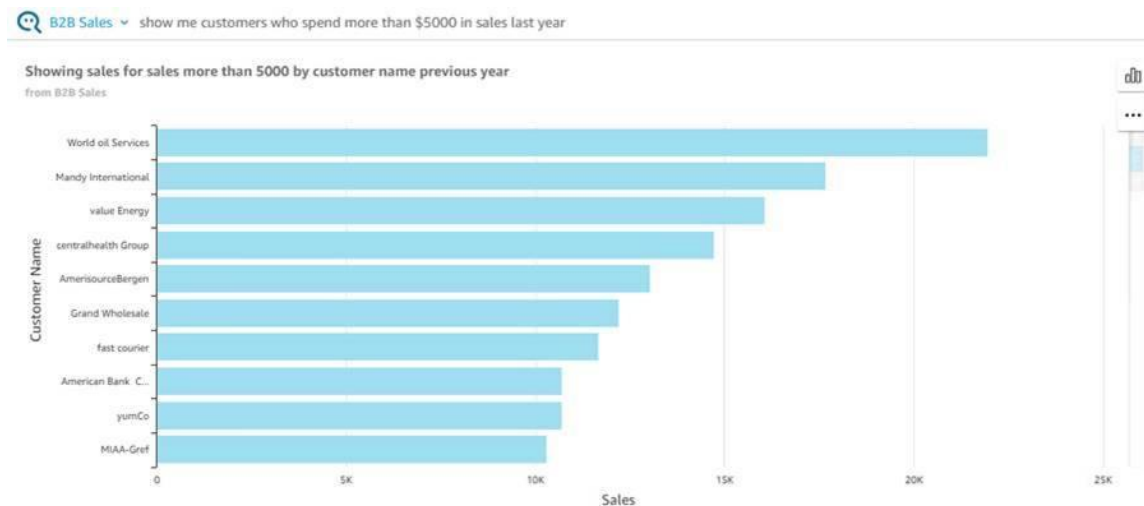
- **Overall ML model enhancement for accuracy** - We’ve updated our model with more training examples to improve language variations and overall answer accuracy.
- **Recent Questions** - Q will now show a user’s last 5 questions when users click on the search bar. Recent questions will also appear as part of the autocomplete.



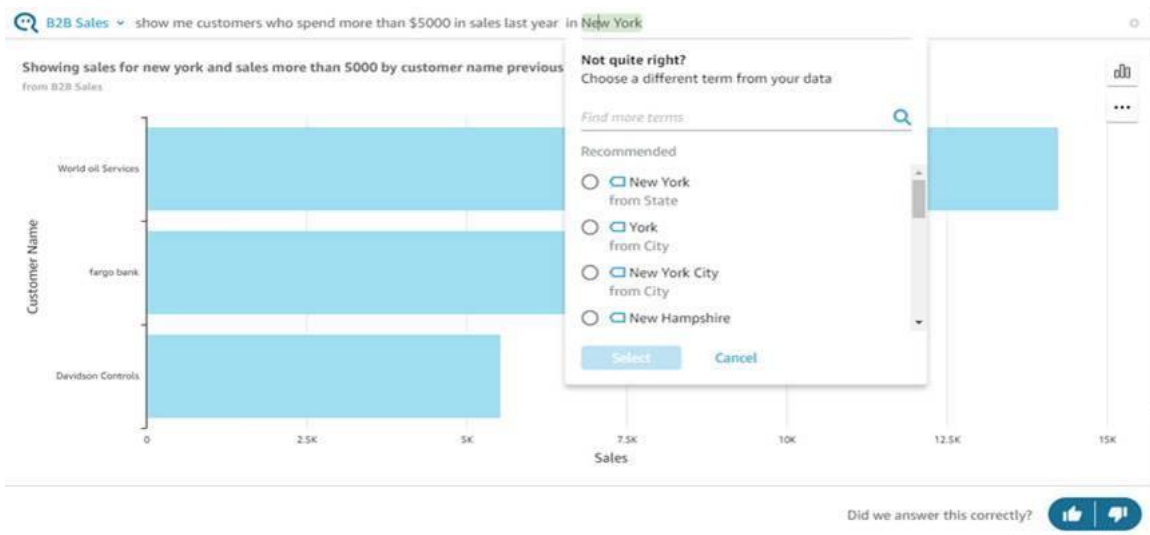
- **“Who” questions** - You can now add a “who” synonym to a column in your dataset (e.g., account_manager, player_name, contact_name) and Q will be able to answer questions such as “who generated the most sales last year?”)



- **Metrics Filter** - You can now ask questions that includes the intent to filter metrics in your data. For example, you can ask “show me customers who spend more than \$5000 in sales last year”.



- **Search to disambiguate** - When Q doesn't recognize a term in your question and shows a pill prompting for disambiguation, you can now search for the correct value across the entire schema and cell values. For example, click New York to disambiguate accordingly.



21.7 2/8/2020

- Period-over-period and Period-to-date support. Example questions:
 - "Revenue year to date in California"
 - "Revenue ytd vs last year in California"
 - "Growth % in revenue ytd vs last year in California"
 - "Show me weekly sales growth % in California"
 - "Show me sales difference in California week over week"
 - "what are the top 10 customers by sales in California wow?"
- Bug fixes for top / bottom questions (e.g., show me top 10 customers by sales in California).