



# Construct Part 3: Terminology in Construct

Back to Basics in Construct and Predict Series

*August 16<sup>th</sup>, 2022*

Rapid Insight

# Meet Your Presenters



**Lily Brennan**  
*Rapid Insight Analyst*



**James Cousins**  
*Associate Director,  
Product Analyst*

# Submit a Question or Comment



The screenshot displays the EAB Virtual Session interface. At the top left is the EAB logo, which consists of a blue circle containing a white building icon, followed by the text "EAB". The main background is dark blue with a pattern of light blue geometric shapes. The text "EAB Virtual Session" is prominently displayed in the center. Below this, two white callout boxes with orange borders provide instructions: the first points to the "Chat" icon and says "Use the Chat feature to send messages to all panelists and attendees"; the second points to the "Q&A" icon and says "Use the Q&A feature to ask presenters questions". At the bottom, a dark grey navigation bar contains the following elements from left to right: "Audio Settings" with an upward-pointing chevron, "Chat" with a speech bubble icon, "Q&A" with a speech bubble icon, and "Leave Meeting" in red text.

**EAB**

**EAB**  
Virtual Session

Use the Chat feature to send messages to all panelists and attendees

Use the Q&A feature to ask presenters questions

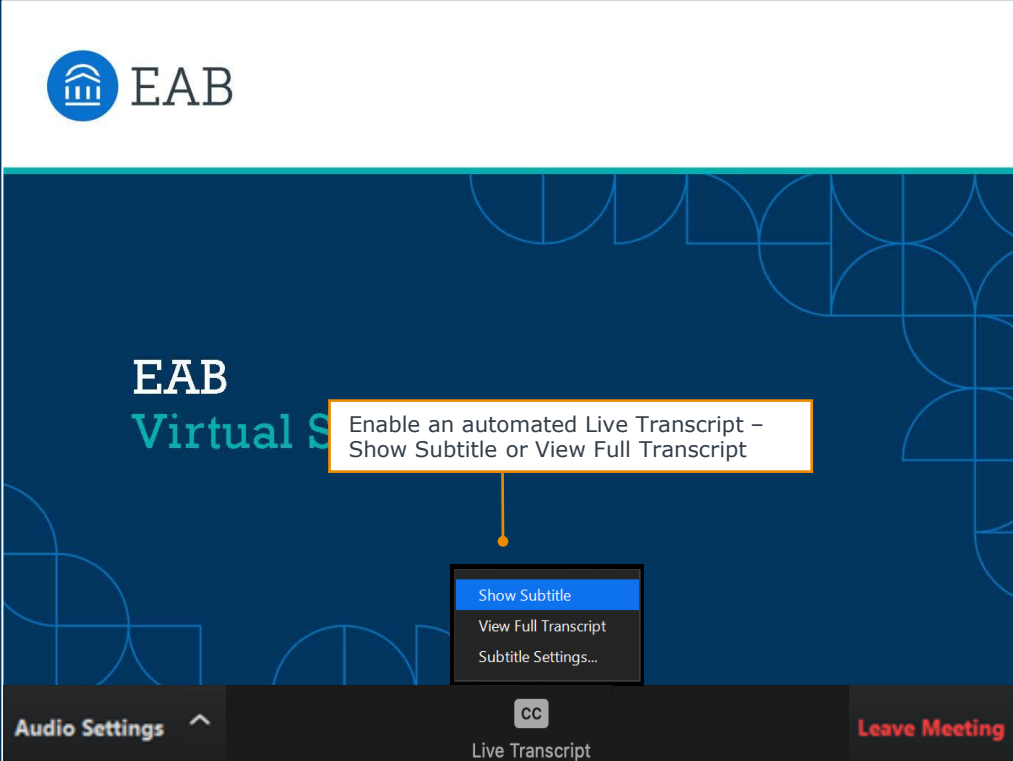
Audio Settings ^

Chat

Q&A

Leave Meeting

# Turn on Captions



The screenshot shows a Zoom meeting interface. At the top left, the EAB logo is displayed. The main content area has a dark blue background with the text "EAB Virtual S" and a decorative pattern of overlapping circles. A callout box with an orange border points to the "Live Transcript" menu, which is open and shows three options: "Show Subtitle" (highlighted in blue), "View Full Transcript", and "Subtitle Settings...". The bottom of the screen features a dark grey control bar with "Audio Settings" and an upward arrow on the left, a "CC" icon above the text "Live Transcript" in the center, and a "Leave Meeting" button on the right.

EAB

EAB  
Virtual S

Enable an automated Live Transcript –  
Show Subtitle or View Full Transcript

- Show Subtitle
- View Full Transcript
- Subtitle Settings...

Audio Settings ^

CC  
Live Transcript

Leave Meeting

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2 Terminology– Slides & Live Demo

3 Preview of Next Session

4 Audience Q & A

# Back to Basics in Construct and Predict Series



## Previous Sessions: On-Demand



### ➤ **Construct Part 1: Nodes in the Workspace**

Learn tips and tricks in the workspace.

### ➤ **Construct Part 2: Inside the Nodes**

Explore node configuration windows and learn where to look for features.

[Catch up on sessions online](#)

# Back to Basics in Construct and Predict Series



## Upcoming Sessions: Spread the Word!



### ➤ **Predict Part 1: Basic How-To's**

Get oriented to the building blocks of exploration and modeling in Predict.

### ➤ **Predict Part 2: Definitions in Predict**

Master the terminology throughout the software.

### ➤ **Final Session: Navigating Help Resources**

Learn about our latest support offerings and best-practices for getting help!

# \*NEW\* Construct Glossary Article in the Help Center

EAB Rapid Insight

Submit a request Sign in

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## Construct

- Module Overview**  
Learn about the Construct module, including its tabs, toolbar, and nodes.
- Tool Actions**  
Explore how to perform actions with jobs, connections, and nodes.
- Software Setup and Security**  
Learn about software setup and security standards.

## Predict

- Module Overview**  
Learn about the Predict module, which allows users to create predictive models to support their work.
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Learn about the Bridge module, including its tabs and dropdown menu, and how they support dashboard creation.
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## Platform Information and Updates

- Release Notes**  
View an overview of the most recent updates in Construct and Predict.
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## Strategic Resources

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Visit the Help Center!  
<https://support.rapidinsight.eab.com/hc/en-us>

## Construct Glossary



Help Center Manager - Edify

4 minutes ago · Updated

Follow

**About:** This article provides a glossary of key terms found throughout the Construct module.

## Construct

Key Word	Definition
Active Processes	This section displays the number of <b>jobs</b> currently running as well as the names and elapsed times of those jobs.
Backup	A backup is a file that saves all your <b>jobs</b> and <b>connections</b> outside of Construct so that you don't lose your progress.
Boolean	A data type consisting of one of the two truth values of logic: "True" or "False".
Compile	A category of <b>node</b> functions (all blue nodes) that involve tasks to clean and pare down records.
Connection	A pointer to a <b>data source</b> that allows data to enter Construct.
Connect Nodes	A user's mouse turns into a connection wand when the "Connect Nodes" button from the



# Poll

## Why are you joining today?

- a) Brand new Construct user looking for help
- b) Looking for a refresher in Construct
- c) Just curious and hoping to learn something new



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Audience Q & A

# Trivia

**Which of these data types represents a number value?**

- a) Num
- b) Double
- c) Integer
- d) Numeric
- e) Real
- f) Floating point

**All of the  
above!**





**Interface Definitions**



**Data Definitions**



**Toolbar Definitions**

# Interface Definitions

**Job:** A file containing a data process

Job file

Job tab

**Jobs:** + New Job Import Job Find Job

- Jobs
  - Database testing
  - Edify
  - From RI Collaborative Cloud
    - Winter Collection
    - Adding Non-Enrollment Terms
    - Confusion Matrix
    - Date format
    - quoteText node
    - Reverse Transpose Your Data
  - Internal
  - Old Jobs
  - Quarterly Challenges
  - Quickstarts

Workspace: Job: Fitchburg Registered Credits | Job: Back to Basics - Session 3 (Terminology in Construct) | Job: 1 - Create Enrollment Modeling File

Connections

- Samples-Higher\_Education\_Enrollment-T
  - Fall2019.csv
  - Fall2020.csv
  - Fall2021.csv
  - Financial Aid 19-21.txt

Click to add files

Input

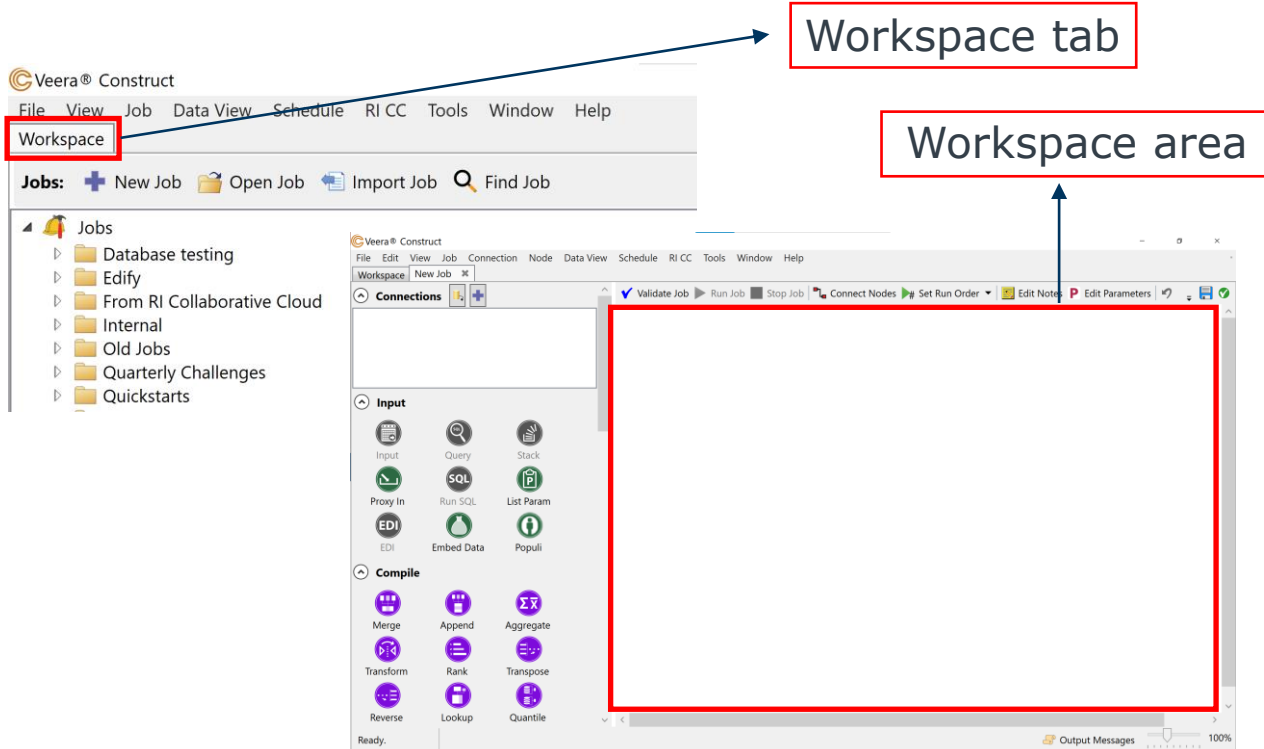
- Input
- Query
- Stack
- Proxy In
- SQL
- List Param
- Run SQL
- EDI
- Embed Data
- Populi

Compile

```
graph TD; F2019[Fall2019.csv] --> TBA[Transpose by Award]; F2020[Fall2020.csv] --> TBA; F2021[Fall2021.csv] --> TBA; FA1921[Financial Aid 19-21.txt] --> SRPS[Single Record Per Student]; TBA --> SRPS; SRPS --> RA[Renaming Awards]; RA --> MFA[Merging Financial Aid Data with Application Information]; A3[3 Years of Admitted Applicants] --> MFA; MFA --> RMC[Replace Missing Values and Cleanse HS GPA]; RMC --> NV[New Variables]; NV --> DC[Dropping Columns]; DC --> TO[Temp Out];
```

# Interface Definitions

**Workspace:** A tab where jobs are created, saved, organized and managed



Workspace tab

Workspace area

# Interface Definitions

**Node:** A visual representation of a data task.



A node is an interface that can be configured to perform a data task, similar to writing a SQL command, however in a code-free drag and drop format. There are 5 categories of nodes based on function:

**Input nodes:** Bring data into the workspace

**Process Nodes:** Join multiple data sources, restructure data, perform calculations, create additional columns

**Compile nodes:** Clean and pare down records to necessary information

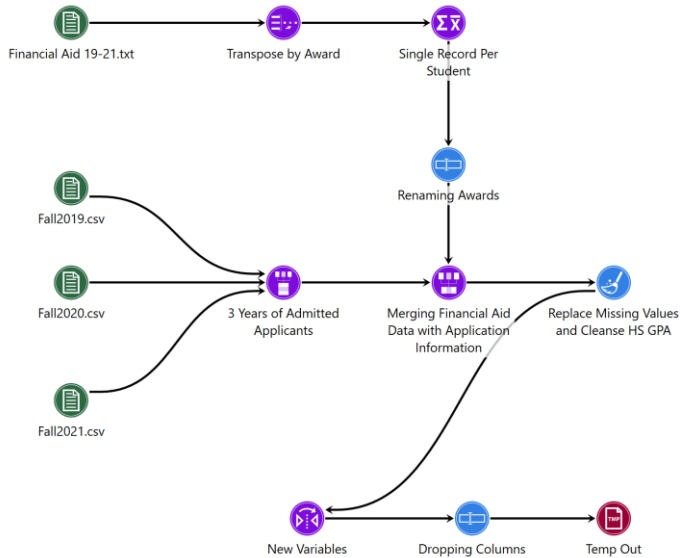
**Output nodes:** Write data outside of Construct

**Special nodes:** Various data tasks

# Interface Definitions



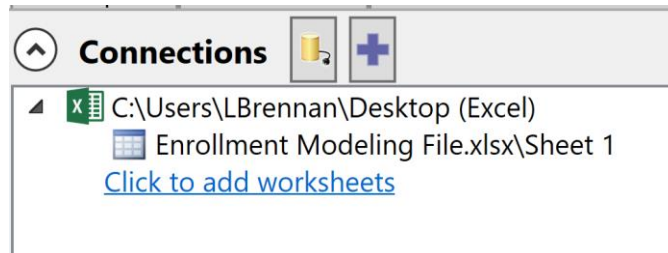
**Workflow/Process Path:** A series of connected nodes that accomplish a data task





# Interface Definitions

**Connection:** A pointer to a data source that allows data to enter Construct





**Interface Definitions**



**Data Definitions**



**Toolbar Definitions**

# Trivia

## What is a Float?

- a) An inflatable swimming device also commonly known as a “floaty”
- b) A chilled beverage consisting of soda topped with ice cream
- c) A data type composed of a non-integer number that includes a fraction represented in decimal format



## Data Types in Construct

Column Name	Original Data Type	New Data Type
ID	Integer	
Aid Term	Text	
Award	Text	
Offer Amount	Integer	

Data Type	Definitions	Example
<b>Text</b>	Any combination of alpha-numeric characters	"Zebra123!"
<b>Integer</b>	A whole number with no decimal or fractions	"215"
<b>Real</b>	A number that may include decimals as an approximation of a real number	"215.9983"
<b>Boolean</b>	One of the two truth values of logic: "True" or "False"	"True" "False"
<b>Date</b>	A calendar date	"08/16/2022"
<b>Time</b>	A time of day denoted by Hours:Minutes:Seconds	"14:36:02"
<b>Datetime</b>	An instant in time expressed by a calendar date and time of day	"08/16/2022 14:36:02"



**Interface Definitions**



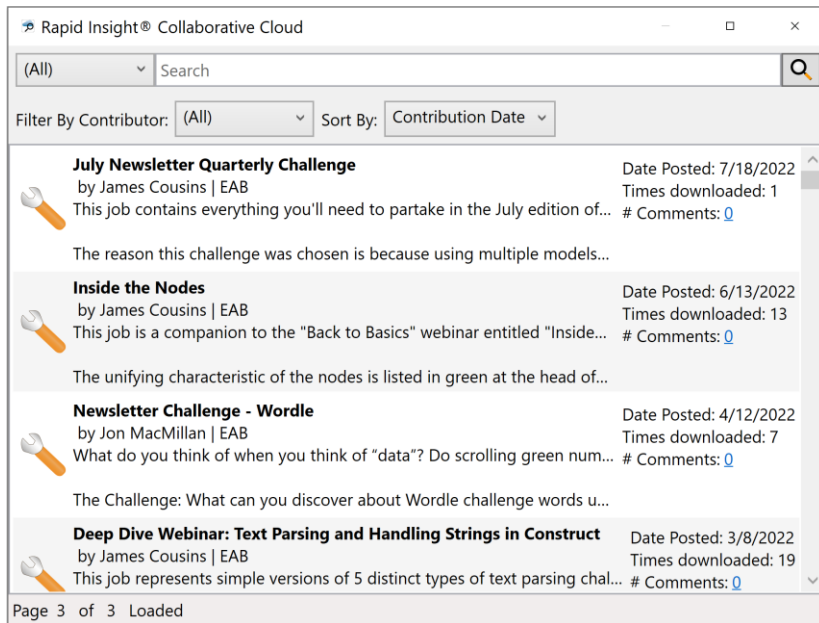
**Data Definitions**



**Toolbar Definitions**

# Toolbar Definitions

## RI CC: Rapid Insight Collaborative Cloud



The screenshot displays the Rapid Insight Collaborative Cloud interface. At the top, there is a search bar with the text "(All)" and "Search". Below the search bar, there are filters for "Filter By Contributor:" set to "(All)" and "Sort By:" set to "Contribution Date". The main content area lists four challenges, each with a wrench icon, author information, date posted, times downloaded, and number of comments. The challenges are:

- July Newsletter Quarterly Challenge** by James Cousins | EAB, Date Posted: 7/18/2022, Times downloaded: 1, # Comments: 0. Description: "This job contains everything you'll need to partake in the July edition of..."
- Inside the Nodes** by James Cousins | EAB, Date Posted: 6/13/2022, Times downloaded: 13, # Comments: 0. Description: "This job is a companion to the 'Back to Basics' webinar entitled 'Inside..."
- Newsletter Challenge - Wordle** by Jon MacMillan | EAB, Date Posted: 4/12/2022, Times downloaded: 7, # Comments: 0. Description: "What do you think of when you think of 'data'? Do scrolling green num..."
- Deep Dive Webinar: Text Parsing and Handling Strings in Construct** by James Cousins | EAB, Date Posted: 3/8/2022, Times downloaded: 19, # Comments: 0. Description: "This job represents simple versions of 5 distinct types of text parsing chal..."


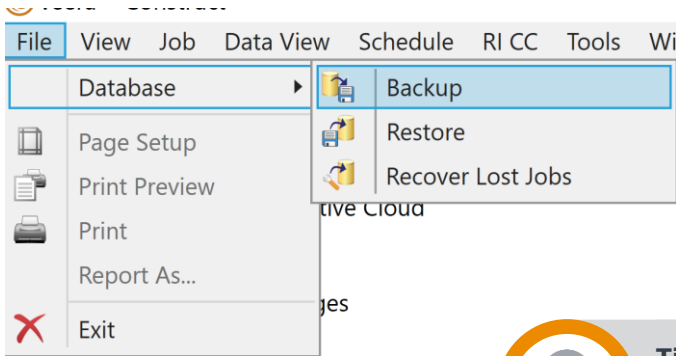
At the bottom of the interface, it says "Page 3 of 3 Loaded".

An online hub for users to share via upload and/or download jobs, formulas, and nodes uploaded by other users.

# Toolbar Definitions



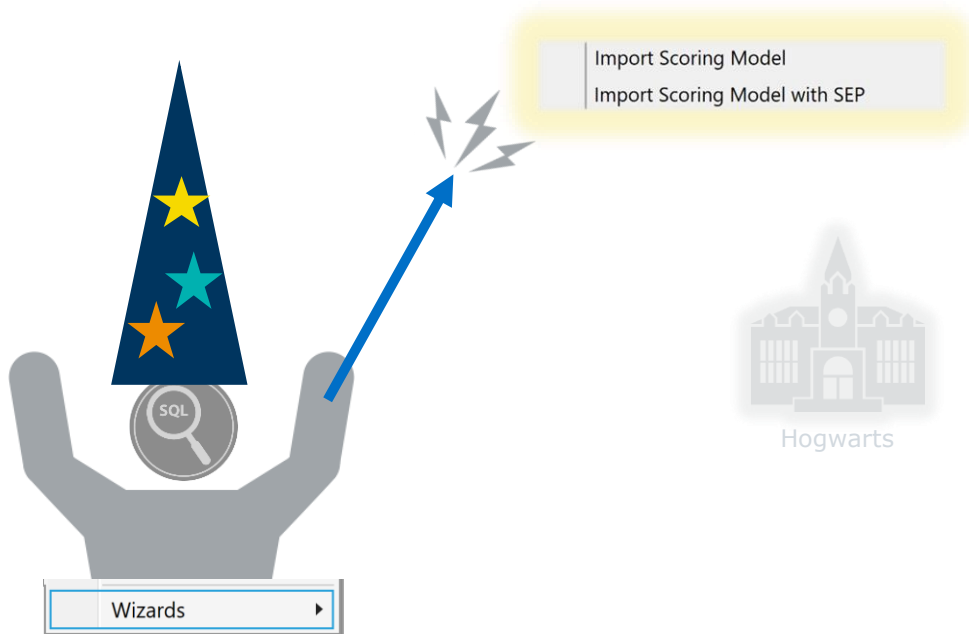
**Backup:** A file that saves all jobs and connections externally so that progress can be recovered in case of a catastrophic event or computer change.



**Tip:** Make a habit of creating a backup at least once a month or more if you are working on important projects!

# Toolbar Definitions

**Wizard:** A tool that imports scoring model formulas created in Predict into a workflow in Construct.





# Don't Forget to Check Out the Construct Glossary

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Audience Q & A

# Back to Basics in Construct and Predict Series



[Register for Upcoming Sessions and Encourage Colleagues to Attend!](#)

## Six-Part Series

*Sessions occur on Tuesdays from 2:00 to 3:00 pm Eastern Time*

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### Construct Part 1: Nodes in the Workspace

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*On Demand*

Learn tips and tricks to work with nodes.

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### Construct Part 2: Inside the Nodes

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*Today's Session ☺*

Explore node configuration windows and learn where to look for features.

---

### Construct Part 3: Definitions in Construct

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*August 16*

Learn definitions of data and Construct-specific terminology.

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### Predict Part 1: Basic How-To's

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*October 11*

Explore data visuals, as well as building, saving, and adding predictive models.

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### Predict Part 2: Definitions in Predict

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*November 15*

Learn modeling process and other relevant terminology.

---

### Navigating Help Resources

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*December 6*

Learn how to access self-service resources for quick answers to your questions.

# Poll

## **Would you like to be registered for any upcoming sessions? (multi-select)**

- a) Predict Part 1: Basics How To's (Oct 11)
- b) Predict Part 2: Definitions in Predict (Nov 15)
- c) Navigating Help Resources (Dec 6)



# Rapid Insight Office Hours

## Sessions Occur Every 3 Weeks

- Next session: Thursday August 18th, 1:00 – 1:45pm Eastern Time
- Register for sessions [online](#) (linked in the Chat)



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Audience Q & A

## Q & A: Submit a Question Using the Q&A Button

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**Lily Brennan**  
*Rapid Insight Analyst*



**James Cousins**  
*Associate Director,  
Product Analyst*



### Additional Questions?

Email [RI-Support@eab.com](mailto:RI-Support@eab.com) with technical questions and [RapidInsight@eab.com](mailto:RapidInsight@eab.com) for all other inquiries.

## Quick Poll

How was today's session?

Please take a few minutes to complete the follow-up survey  
(linked in the Chat) to provide additional feedback!





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202-747-1000 | [eab.com](http://eab.com)

