



# Office Hours

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**Work from home co-host: Roxie**

Favorite activity: demanding attention



# Agenda

- Introductions
- Educational Resources
- Announcements
- Intelligence
- Data Design
  - Tables
  - Building a spreadsheet successfully
  - Connecting multiple data sources
  - Tips and tricks
- Q&A

# New to the platform?


[community.appsheet.com](https://community.appsheet.com)

Great place for how to related questions and crowd sourced solutions

## Learn how to use AppSheet

Tips & Tricks 




JCadence  Jennifer Cadence (AppSheet Team) AppSheet Team


3  Nov '19

Whether you're new to AppSheet and just getting started or want to learn how to improve your existing applications, figuring out what to do next can be a bit daunting. I've put together a quick guide to help get you over the, "what do I do next" hurdle in case you find yourself in need of a little inspiration.


### AppSheet Academy

For new app creators or those looking to brush up on fundamentals, our free one hour course guides you through the fundamentals of becoming a successful app creator. Hosted on Udemy, this is [the official AppSheet 101 course](#)  to get you started.

### How to design your application

Sometimes the most difficult part of building an application is articulating what you're trying to build. Because you don't know what you don't know, [we've put together this quick guide on how to design an app that suits your needs.](#) 

### Making your data work for you

The structure of your data impacts the type of app you build and how it performs. [We've written a series of articles](#)  to help walk you through how to better structure your data for easier app building.

### Office Hours

Every few weeks the AppSheet team hosts a free webinar to showcase both new features and trending



# Non-english resources

<https://community.appsheet.com/t/non-english-appsheet-content/22597>

Crowd sourced, community resources for those seeking non-english learning content



The screenshot shows a forum post in a community titled "Non-English AppSheet Content". The post is pinned and dated "APR 12". It features two main entries:

- tsuji\_koichi** (22d): A post asking for permission to repost a site. It includes a link to "Appsheat JP Comm" with the title "業務アプリ | アップシート 紹介サイト". The text describes APPSHEET as a platform for business app development, available in Japanese.
- Alex\_Tashlykov** (22d): A post from Russia asking for Russian speakers and offering a guide. It includes a link to "Texterra" with the title "Гайд по AppSheet: создаем мобильную CRM для работы с Excel". The text is in Russian, offering to help organize a community and share materials.



# Fundamentals

- Intelligence
- Data design
  - Tables
  - Building spreadsheets
  - Connecting multiple data sources
- Tips



# Intelligence

- AppSheet uses your data to design your applications
- Column types and data types influence how your app performs.
- Additional advanced intelligence capabilities include OCR, extraction and more.



## Smart Search Assistant

Use natural language to give intricate queries and commands to your applications for easier interactions with your data.



## Trend Predictions

Predictive models powered by machine learning algorithms learn to generalize from historical app data, giving you the ability to forecast values and predict trends.



## Content Classification

AppSheet's classification capabilities enable you to categorize content, assign tags and labels, and apply sentiment scores.



## Sentiment Analysis

Train models to interpret qualitative categories of new data based on existing information or publicly available datasets.



## Optical Character Recognition

Optical Character Recognition identifies text, handwriting, and other structured information from images, letting users speed up data entry, reduce transcription errors, and create digital workflows from paper-based systems.



## Data Extraction

Intelligent data extraction expressions help identify and organize data points like prices, emails, dates, etc. for automatic processing, reducing the time required to clean data.



# Data design: tables

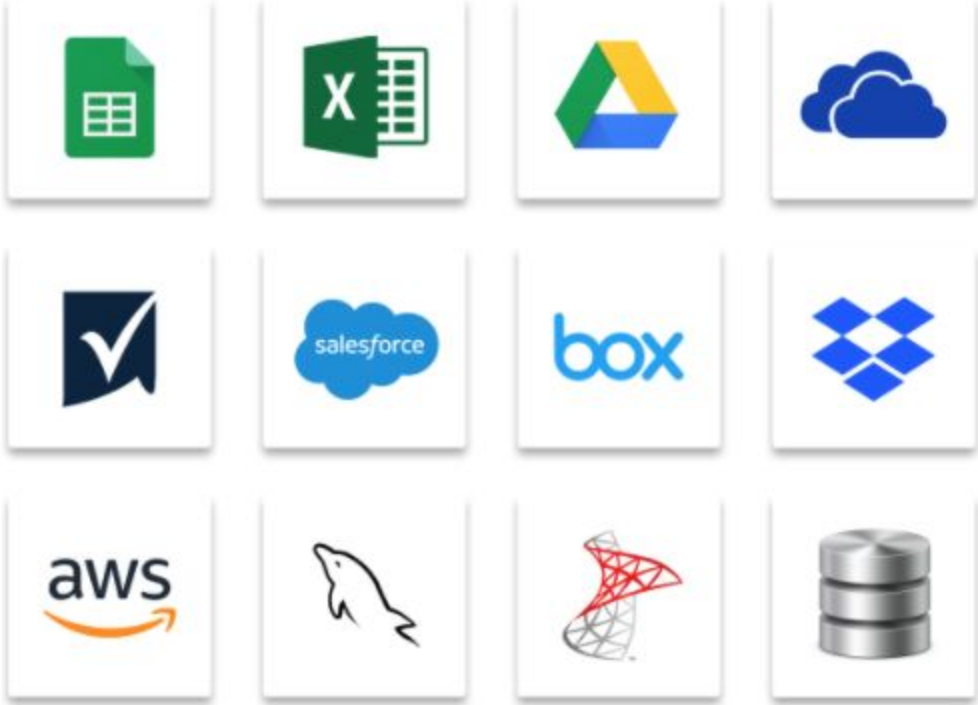
- A table is comprised by columns and rows
- Each table must have a key
- You can add multiple tables to your app
- Choose data from any source

The screenshot displays the Google Data Studio interface for configuring a table. The top navigation bar includes 'Tables', 'Columns', 'Slices', and 'User Settings'. The left sidebar shows the app's status as 'Deployed' and a list of data categories: UX, Behavior, Security, Intelligence, Users, and Manage. The main content area is titled 'Activity' and shows the table's source as 'Activity' and data source as 'google'. It includes buttons for 'View Columns', 'View Source', 'View Data', and 'Delete'. Below this, the 'Table name' field is set to 'Activity'. The 'Are updates allowed?' section has three buttons: 'Updates', 'Adds', and 'Deletes', all of which are currently disabled (greyed out), and a 'Read-Only' button which is active.





# Data design: multiple data sources





# Star Schema



### Dim: Sales Associates

- Sales Associate ID (\*\*)
- Name
- Title
- Manager

Sales Associate ID

### Fact: Customer Orders

- Order ID (\*\*)
- Sales Associate ID (\*)
- Product ID (\*)
- Customer Account ID (\*)
- Order Date
- Product Quantity
- Total Cost

Product ID

Customer Account ID

### Dim: Products

- Product ID (\*\*)
- Name
- Image
- Price

### Dim: Customer Accounts

- Customer Account ID (\*\*)
- Contact Name
- Email
- Address
- Membership

# Next Steps

- Start using these features and share with your network!
- Visit [community.appsheet.com](https://community.appsheet.com)
- Register for the next session at [solutions.appsheet.com/webinar](https://solutions.appsheet.com/webinar)
- Let us know what you think





**Happy app building!**