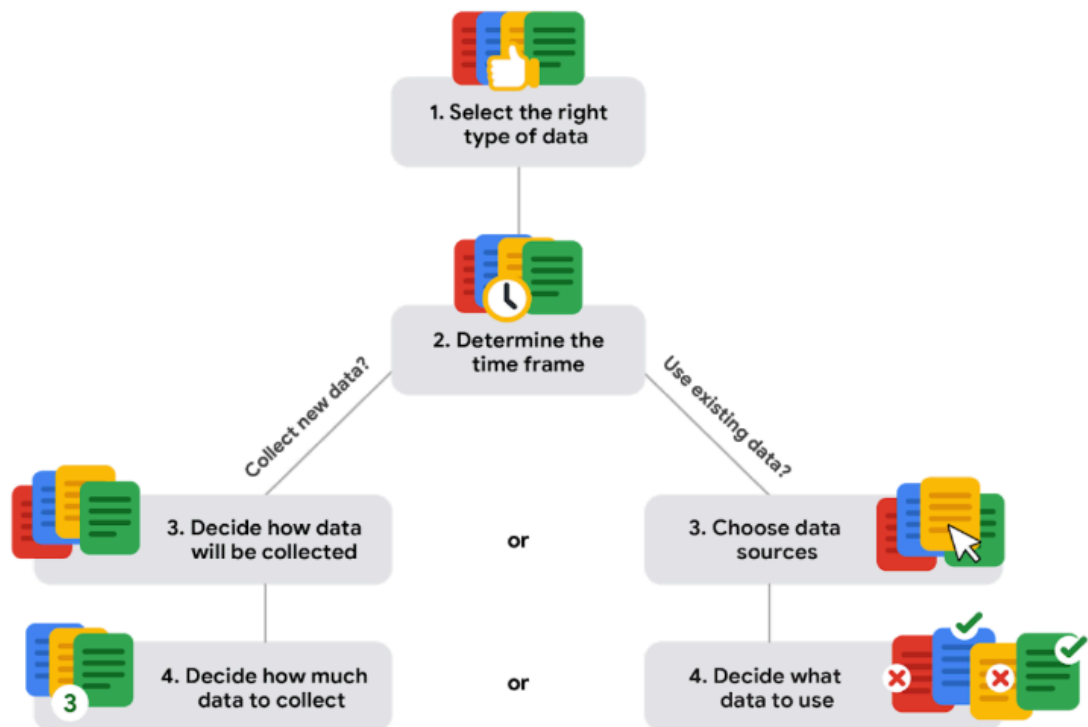


# Prepare Data for Exploration

## ★ Collect Data

### Data collection considerations








## ★ Achieve good and correct data

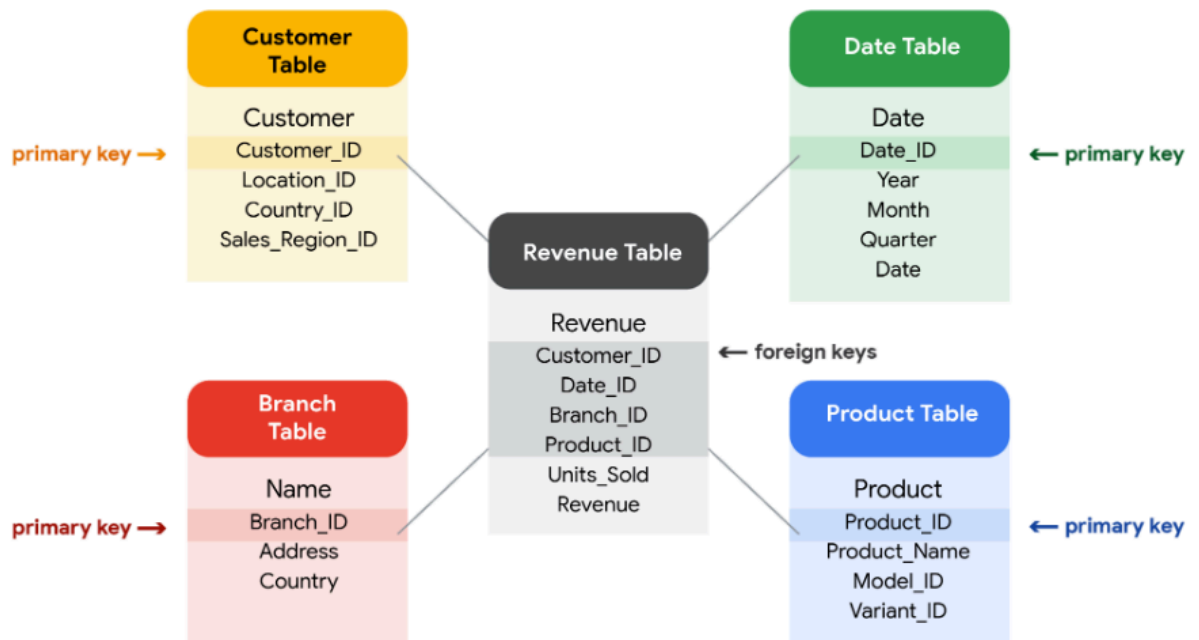
**R**eliable  
**O**riginal  
**C**omprehensive  
**C**urrent  
**C**ited

# Resources for open data

Luckily for data analysts, there are lots of trustworthy resources available for open data. It is important to remember that even reputable data needs to be constantly evaluated, but these websites are a useful starting point:





1. [U.S. government data site](#) : Data.gov is one of the most comprehensive data sources in the US. This resource gives users the data and tools that they need to do research, and even helps them develop web and mobile applications and design data visualizations.
2. [U.S. Census Bureau](#) : This open data source offers demographic information from federal, state, and local governments, and commercial entities in the U.S. too.
3. [Open Data Network](#) : This data source has a really powerful search engine and advanced filters. Here, you can find data on topics like finance, public safety, infrastructure, and housing and development.
4. [Google Cloud Public Datasets](#) : There are a selection of public datasets available through the Google Cloud Public Dataset Program that you can find already loaded into BigQuery.
5. [Dataset Search](#) : The Dataset Search is a search engine designed specifically for data sets; you can use this to search for specific data sets.

## ★ Working with Databases






# Explore public datasets



**Open data** helps create a lot of **public datasets** that you can access to make data-driven decisions. Here are some resources you can use to start searching for public datasets on your own:

- The [Google Cloud Public Datasets](#)  allow data analysts access to high-demand public datasets, and make it easy to uncover insights in the cloud.
- The [Dataset Search](#)  can help you find available datasets online with keyword searches.
- [Kaggle](#)  has an Open Data search function that can help you find datasets to practice with.
- Finally, [BigQuery](#)  hosts 150+ public datasets you can access and use.




## Public health datasets

1. [Global Health Observatory data](#) : You can search for datasets from this page or explore featured data collections from the World Health Organization.
2. [The Cancer Imaging Archive \(TCIA\) dataset](#) : Just like the earlier dataset, this data is hosted by the Google Cloud Public Datasets and can be uploaded to BigQuery.
3. [1000 Genomes](#) : This is another dataset from the Google Cloud Public resources that can be uploaded to BigQuery.

## Public climate datasets

1. [National Climatic Data Center](#) : The NCDC Quick Links page has a selection of datasets you can explore.
2. [NOAA Public Dataset Gallery](#) : The NOAA Public Dataset Gallery contains a searchable collection of public datasets.

## Public social-political datasets

1. [UNICEF State of the World's Children](#) : This dataset from UNICEF includes a collection of tables that can be downloaded.
2. [CPS Labor Force Statistics](#) : This page contains links to several available datasets that you can explore.
3. [The Stanford Open Policing Project](#) : This dataset can be downloaded as a .csv file for your own use.

## Best practices when organizing data

- Naming conventions
- Foldering
- Archiving older files

## ★ Building Connections on Templates



**Dan Tyre**

You worked with Dan in the same group

**Hi <fill in name here>,**

Please accept my invitation to connect. It has been a while since we were at *<fill in company name here>* and I look forward to catching up with you. I'm looking for job opportunities and would love to hear about what you're doing and who is hiring in your organization.

**Best regards,**

***<fill in your name here>***

## Ask Dan to recommend you

Include a personalized message with your request



**Dan Tyre**

You worked with Dan in the same group

**Hi <fill in name here>,**

How are you? I hope you are well. I'm preparing for a new job search and would appreciate it if you could write a recommendation that highlights my *<insert your specific skill here>*. Our experience working on *<insert project here>* is a great example and I would be happy to provide other examples if you need them. Please let me know if I can write a recommendation for you. I would be very glad to return the favor.

**Thanks in advance for your support!**

**<fill in your name here>**