Cloud firestore :

Managed nosql database

Datastructure use:

Document model used

Similar to json (key value pair )

hierarchical

Two mode : native and datastore

When to use :

Semi structure data , schema not fix , may change over time , different attribute across entity .

Query on multiple attribute , bounded ingestion volume’( not really super high volume ingestion)

Bigtable designed for iot applications

Datastore mode is useful when you're using the database for a backend for applications and it doesn't require, say, syncing with mobile devices.

Native mode, however, is more like Firebase. It's sort of like what Firebase uses.

And Firebase is an application development platform that includes a database that works really well with mobile and web applications and supports a large number of connections at one time. So, it works really well when you're providing a backend Datastore for mobile and web clients.

So again, Datastore mode works well when it's kind of a traditional client server kind

of application and you're not working with mobile devices or large numbers of connections.

If you're working with a large number of connections, again, or mobile and web clients,

then look for Native mode.

The correct command is gcloud datastore export gs://my-datastore-backup --async. Export, not backup, is the datastore command to save data to a Cloud Storage bucket. Gsutil is used to manage Cloud Storage, not Cloud Datastore.

Cloud Data Fusion is a managed service that is designed for building data transformation pipelines. Compute Engine is not a managed service. Cloud Dataprep is used to prepare data for analytics and machine learning. Cloud Build is a service for creating container images.