

## Week 8

① Topics to be covered → Big Data & Machine Learning in Google Cloud.

② Cloud Dataproc (Big Data 1).

→ Managed Hadoop, HIVE, Spark service.

Cloud Dataflow (Big Data 2)

→ When data size known Cloud Dataproc good choice  
But when data unpredictable or real time Cloud Dataflow should be used.

Big Query (Big Data 3)

→ Large scale analytics data warehouse of Google.  
→ Not like above 2 as you have to derive influences here.  
→ ∴ Major data can be used & run using SQL.

Cloud Sub/Pub (Big Data 4)

Sub → Subscribers  
Pub → Publishers.

→ Cloud Sub/Pub is a scalable, reliable messaging service.

③ Google Cloud offers many machine Learning APIs.

① Vision API

③ NLP API

② Speech API (Translation API)

④ Video API

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End of week 8. Week - 9 (Revision week)