Cloud Datalab provides a powerful interactive, scalable tool on Google Cloud with the ability to analyze, visualize data.

Cloud Datalab is a powerful interactive tool created to explore, analyze, transform, and visualize data and build machine learning models on the Google Cloud Platform. It runs on Google Compute Engine and connects to multiple cloud services easily so you can focus on your data science tasks.

Cloud Datalab is built on Jupyter (formerly IPython), which boasts a thriving ecosystem of modules and a robust knowledge base. Cloud Datalab enables analysis of your data on Google BigQuery, Cloud Machine Learning Engine, Google Compute Engine, and Google Cloud Storage using Python, SQL, and JavaScript (for BigQuery user-defined functions).

Whether you are analyzing megabytes or terabytes, Cloud Datalab has you covered. Query terabytes of data in BigQuery, run local analysis on sampled data and run training jobs on terabytes of data in Cloud Machine Learning Engine seamlessly.

Use Cloud Datalab to gain insight from your data. Interactively explore, transform, analyze, and visualize your data using BigQuery, Cloud Storage and Python.  
Go from data to deployed machine-learning (ML) models ready for prediction. Explore data, build, evaluate and optimize Machine Learning models using TensorFlow or Cloud Machine Learning Engine.