# Hue

Data analysis helps to make sense of our data otherwise they will remain a pile of unwieldy information; perhaps a pile of figures. Data analysis, also known as analysis of data or data analytics, is a process of inspecting, cleansing, transforming, and modeling data with the goal of discovering useful information, suggesting conclusions, and supporting decision-making.

Data visualization, on the other hand, refers to the techniques used to communicate data or information by encoding it as visual objects (e.g., points, lines or bars) contained in graphics. The goal is to communicate information clearly and efficiently to users. It is one of the steps in data analysis or data science.

With data being so much important, any tool that provide solutions about it, is an important tool. Hue is one such tool. Hue is an open source Query Tool for browsing, querying and visualizing data with focus on SQL and Search data. The main idea of Hue is to provide UI for making Apache Hadoop easier to use. It features:

* [Editors](http://gethue.com/sql-editor/) for Hive, Impala, Pig, MapReduce, Spark and any SQL like MySQL, Oracle, SparkSQL, Solr SQL, Phoenix and more.
* [Dashboards](http://gethue.com/search-dashboards/) to dynamically interact and visualize data with Solr or SQL.
* [Scheduler](http://gethue.com/scheduling/) of jobs and workflows.
* [Browsers](http://gethue.com/browsers/) for Jobs, HDFS, S3 files, SQL Tables, Indexes, Git files, Sentry permissions, Sqoop and more.

Cloudera started to build Hue around 2 years ago, and since then there’s been 124 releases of it. It clearly shows the interest that developers have for this tool. There’s been over 12300 commits in two years, which are at an average of over 16 commits per day. The documentation is very appropriate and to the point, not only for the developers, but also for the users, as provided on their website: [http://gethue.com](http://gethue.com/). Not only that, they also use good software practices, like Jira for issue tracking, and staged (alpha, beta etc.) release. They also have a review page for feedback purpose, and a google group for the users.

Other interested developers also had a chance to contribute to it. There are currently 167 branches of the project with 125 contributors. Hue is quite popular tool among users as well, with more than 2350 stars within 1 year on Git.

Data is more than just data alone. Hue is a tool or an interface to transform all this random data into knowledge. It provides a good support to Hadoop, which is almost synonymous with Big Data, and is widely used to manage Big Data.

References:

<https://github.com/cloudera/hue>

<http://gethue.com/>

<https://issues.cloudera.org/browse/HUE>

<https://en.wikipedia.org/wiki/Data_visualization>