We need to assess our data in order to test assumptions about the values that are there. The data types for those values and the shape of our data.

We also need to identity errors or outliers in our data. We're going to look at several ways of testing our data to see whether there are errors present or whether we have data that's really outside the range of expected values.

And finally, we need to access whether there are any missing values within our data.

In addition to all of this, we also need to make sure that our data will support the type of queries that we need to make

Data types

Expected Values

Missing Values

Supports Queries

1. **Validity**
   1. **Cross field constraint**

**Regular expressions**