

Common Terms and Concepts

The Following terms are used throughout Web Standard. To use Web Standard effectively, you need to have a basic understanding of these terms and the underlying concepts.

Measures

Measures are quantitative values contained in a cube. Some examples of measures for the cube Admissions are Admitted Count, High School GPA, and Transfer Credits. All cubes have at least one measure, and they can have multiple measures. Measures are analyzed against dimensions (categories). For example, you can analyze the measure Student Count against Geographic Region or Undergrad and Graduate student.

Dimensions

Dimensions are categories that give a measure value its context, dimensions of the Admissions cube are high school, applicant gender, applicant zip code. Dimensions have members (items) that are organized by level.

Members

Members compose the detail associated with a dimension. For example the Time dimension may have the members of Spring Term 1072, First Quarter, November. Each dimension has a default member that can vary according to the user.

Hierarchy

Dimension members are arranged in organizational chart type structures where there is a parent/child relationship. For example for the dimension Academic Level **All Academic Levels** is at the top of the hierarchy. All has three children **Undergraduate**, **Graduate** and **Other**. **Undergraduate** has the next level of children **Freshman**, **Sophomore**, **Junior**, **Senior** and **Post Bacc Undergrad**.

OLAP

OLAP (online analytical processing) accelerates the speed at which data can be pulled from data stores and delivered as pertinent information. This increased efficiency is made possible through the use of multidimensional databases called cubes. Pro-Clarity uses Web Standard to allow users to select and arrange the items they want to analyze, apply filtering and sorting and translates the choices into a query.

Cube

The data you analyze comes from a multidimensional database referred to as a cube. Cubes contain measures and dimensions. Components of the dimension are referred to as its members or items.

Summary

Common Terms

1. Measures
2. Dimensions
3. Members (Items)
4. Hierarchy
5. OLAP
6. Cube





