



**DALHOUSIE  
UNIVERSITY**

**CSCI5408 – Data Management Warehousing and  
Analytics**

**Assignment 4**

**Report-1**

**Submitted by:**

Shivam Gupta

B00810723

[Shivam.Gupta@dal.ca](mailto:Shivam.Gupta@dal.ca)

## Fact Table

Fact table is the central table in the data warehouse schemas either Star Schema or Snowflake Schema. Fact tables are denormalized tables and they store numerical quantitative data which can be analysed. This table works with dimension tables and hold the primary keys of all the dimension that are to be analysed. Thus, a fact table consist of two types of columns:

- Foreign keys column: Foreign keys allows joins with the dimension tables
- Measure Column: These columns contain numerical data that is analysed.

## Dimension Tables

Dimension table are the connected tables which contains facts. These tables are joined to the fact table with the foreign keys. These tables contain the attributes and characteristics of the dimension which are connected to the fact table. There is no limit to the number of dimensions in a schema. There are one or more than one hierarchical relationship in the dimension tables.

References:

[1] Difference Between Fact Table and Dimension Table

, <https://www.guru99.com/fact-table-vs-dimension-table.html>