**BI Assignment – DWH Offering Analysis**

**Rabia Memon – 14908**

**SAS - Statistical Analysis System**

1. **How are they doing dwh (star schema, other formats etc.?)**

SAS Data Integration Server is used to construct and efficiently manage a data warehouse or data mart that is structured as a star schema. The process begins with structuring the **metadata** (describe processes that are applied to transform the basic data). Star schema is designed using data modelling tools such as CA ERwin or Rational Rose. Once the metadata is structured, tables are captured in the Integration Server to facilitate interpolation. The Metadata Import Wizard is used to transport the star schema table definitions directly from the data model design environment into the metadata. Now, the dimension tables and fact table are now ready for ETL processes to load data from the source files into the star schema tables. All the dimension tables are loaded now before loading the fact table with the help of Process Designer. The next step is creating the process to build the fact table. This is done by lookup in the Process Library of SAS Data Integration Studio which contains the folders of data transformation. After matching the dimensions, star scheme is ready. SAS Data Integration Studio also contains helpful features for parallelizing flows so we can load fact table and dimensions simultaneously.

1. **Is some level of BI integrated within this tool? If yes, what are the features of this BI offering?**

Yes. SAS provides SAS Visual Analytics with the following features:

* Interactive dashboards and reports
* Smart Visualizations
* Self-service data preparation
* Analytics (Text, Self Service, Location)
* Cloud Deployment