

Feedback

Comment on ER-diagram

1. Does it have all relevant dimensions?
 - a. Yes
2. Does it follow a star schema?
 - a. Yes
3. Is it linked to dimensional design approach?
 - a. Maybe call it Sales process instead of profit? May be relevant for the Kimball terminology thing

Comment on design

1. Are dimensions/attributes linked to background description for its track?
 - a. Yes, very well
2. Does it use Kimball terminology?
 - a. Yup
3. Does it include relevant attributes?
 - a. Do you have duplicate keys such as E_ID to have one that is not dependent upon changes in the company? As in for historical data preservation?
 - b. Dim_Customer: Is it not enough to have CustomerName? Then if it is a company, you're not going to mistake "Wide World Importers" as first, second and last name
 - c. Dim_Product: Why does it need ProductID and ProductNumber? Also, in the dimension description there is no ProductID and no ProductNumber
 - d. Fact_Sale: Elisabeth asked for easy to read labels and names so [X]ID is probably not descriptive enough. Where do you find that the currency is euros?

Comment on documentation

1. Is the SQL code there? Does it contain relevant commenting?
 - a. The code seems good, but we didn't know we had to comment the code
2. Are you able to run the code without errors (see section with installation guide below)
 - a. Maybe split the creation of db and tables into different files
 - b. Create schema for edw too
 - c. SQL code lines:
 - USE [AdventureWorks2019DW]
 - ★ **GO //(need to add this line for it to work, this should become the new line number 117)**
 - CREATE SCHEMA [stage]
 - GO

```
USE [AdventureWorks2019DW]
GO
CREATE SCHEMA [stage]
GO
```

- d. Gives this error:
 - Msg 4902, Level 16, State 1, Line 230
Cannot find the object "Fact_Sale" because it does not exist or you do not have permissions.
- e. It creates the tables without the added GO command, but not the stage
- f. ALTER TABLE commands at the end are missing "stage." before Fact_Sale and then again for the reference tables
 - Gives this error:
 - ★ Msg 4902, Level 16, State 1, Line 230
Cannot find the object "Fact_Sale" because it does not exist or you do not have permissions.

```
ALTER TABLE stage.Fact_Sale ADD CONSTRAINT FK_Fact_Sale_0 FOREIGN KEY (P_ID) REFERENCES stage.Dim_Product (P_ID);
ALTER TABLE stage.Fact_Sale ADD CONSTRAINT FK_Fact_Sale_1 FOREIGN KEY (C_ID) REFERENCES stage.Dim_Customer (C_ID);
ALTER TABLE stage.Fact_Sale ADD CONSTRAINT FK_Fact_Sale_2 FOREIGN KEY (E_ID) REFERENCES stage.Dim_Employee (E_ID);
ALTER TABLE stage.Fact_Sale ADD CONSTRAINT FK_Fact_Sale_3 FOREIGN KEY (O_ID) REFERENCES stage.Dim_Order (O_ID);
ALTER TABLE stage.Fact_Sale ADD CONSTRAINT FK_Fact_Sale_4 FOREIGN KEY (DateId) REFERENCES stage.Dim_Date (DateId);
ALTER TABLE stage.Fact_Sale ADD CONSTRAINT FK_Fact_Sale_5 FOREIGN KEY (L_ID) REFERENCES stage.Dim_Location (L_ID);
```

3. Does it include source-target mappings?
 - a. Yes, a very thorough one!
 - b. Noticed typo in Customer Table: B7 and all the "created in source sytem"
 - c. Don't know if we were supposed to do this or not, but should we define null handling?
 - d. CustomerType: nchar in source-target mapping, nvarchar in SQL
 - e. Employee: Postalcode nvarchar(50), Country nvarchar(50) in source-target mapping and Postalcode nvarchar(15), Country nvarchar(10)
4. Is everything documented/explained?
 - a. Oh yeah, extensively. //Great job
5. Are the transformations in data types explained?
 - a. We'd say that it's explained enough because they're self-explanatory
6. Do you agree with the group's implementation?
 - a. Aside from our comments before, yes we agree

Comment on installation guide

1. Did the installation guide explain what you had to do?
 - a. It gives an error, but creates everything when you've added the GO command as mentioned in "Comment on documentation" question number 2
2. Were you able to install the data warehouse by following the installation guide?
 - a. Yes, with small changes