LESSON 4. DATA MODELLING BASICS

Formative Assessment No. 2 - Laboratory

Direction:

- 1. Please find a partner as this will be a pair activity.
- 2. Create a copy of this file and have your answers pasted here.
- 3. Submit this file in the designated submission bin in pdf format with title format: Surname of Member 1_Surname of Member 2_FA4_Lab

Name of Group Members:

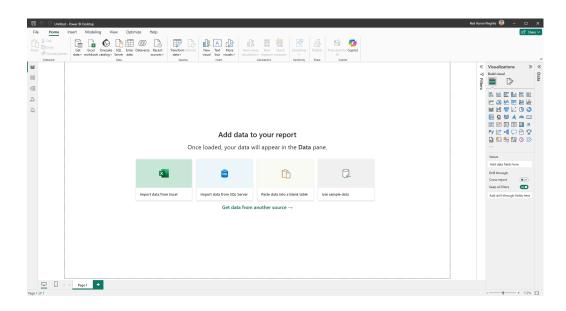
Alava, Enki Prince A.

Negrite, Red Aaron P.

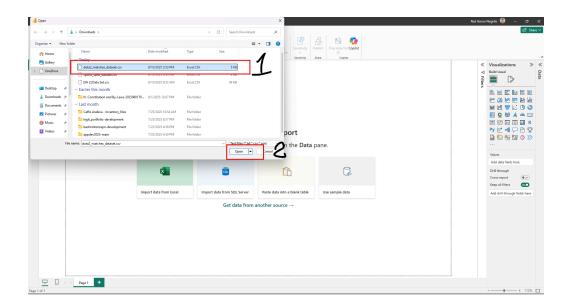
Section: BSIT 3-1

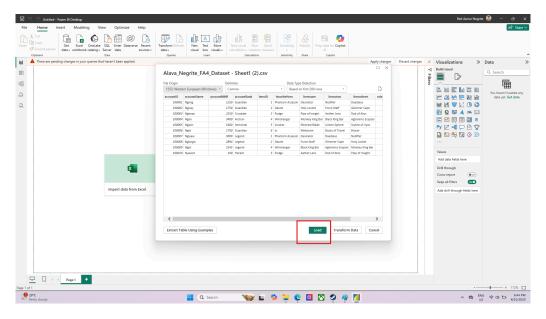
Perform the following (please screenshot your step by step work)

1. Create a Power BI File



2. Upload a data set (to be created by your group, use mock data generators), the data set must have multiple columns.



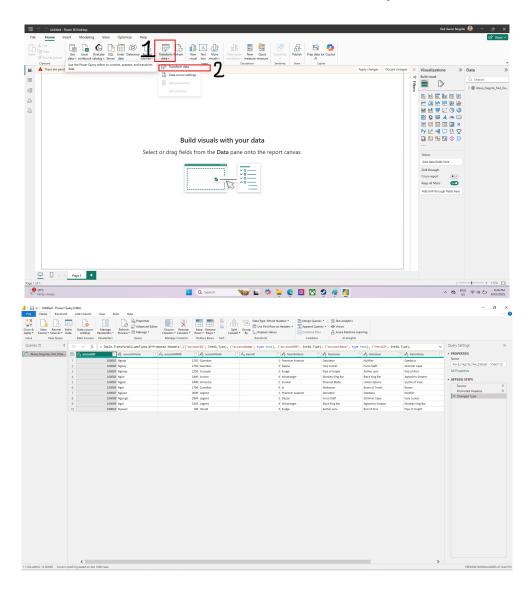


NOTE: In this section, we decided to generate our own CSV file to be uploaded in Power BI Desktop Application. You may access our CSV file in our GitHub Repository

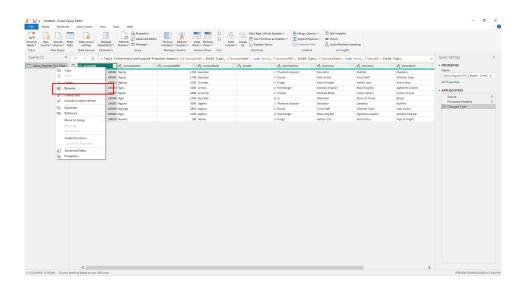
view10cm/PowerBIDatasetsOfficial

3. Create a Snowflake Schema of a flat data set that you have uploaded

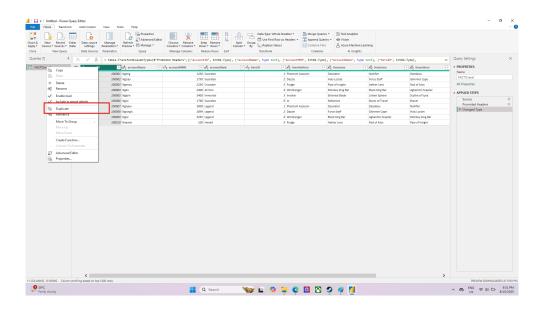
To create the Snowflake Schema of the Flat Dataset that has uploaded:

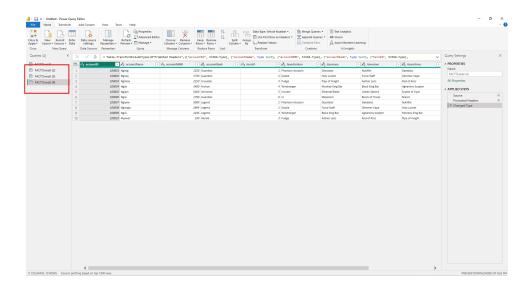


4. Using Power Query, create separate tables (factual table, dimensions, and sub dimensions)

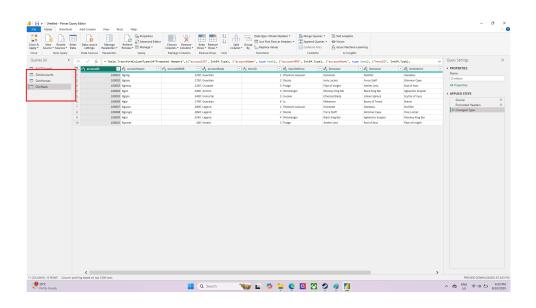


NOTE: In this section, we renamed my CSV file into FactOverall to emphasize that the first file is a factual table





NOTE: Since our Table contains three dimensions, we duplicated the factual table into three

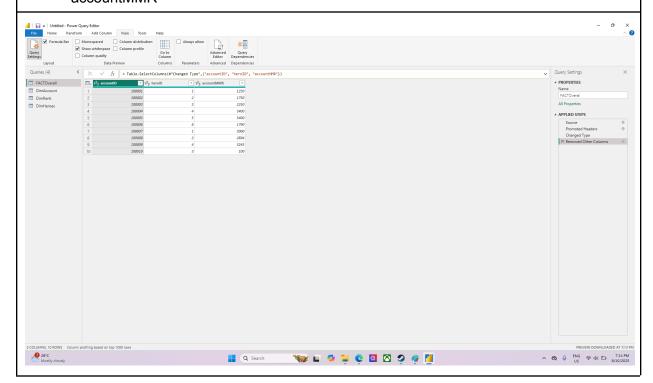


NOTE: The duplicated tables are renamed in accordance to our desired dimension name

Factual Table Properties

Factual Table Name: FactOverall Columns:

- accountID
- heroID
- accountMMR

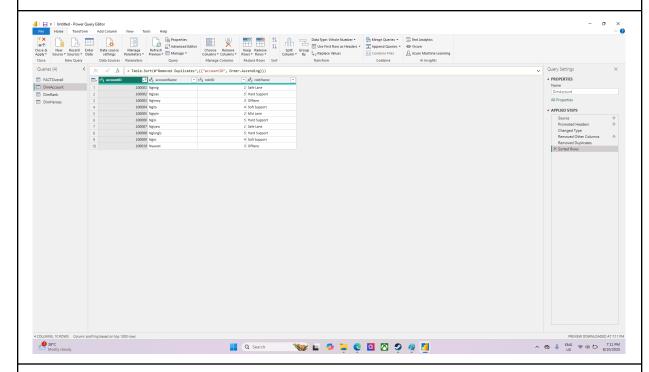


Dimension Properties

Dimension Name: DimAccounts

Columns:

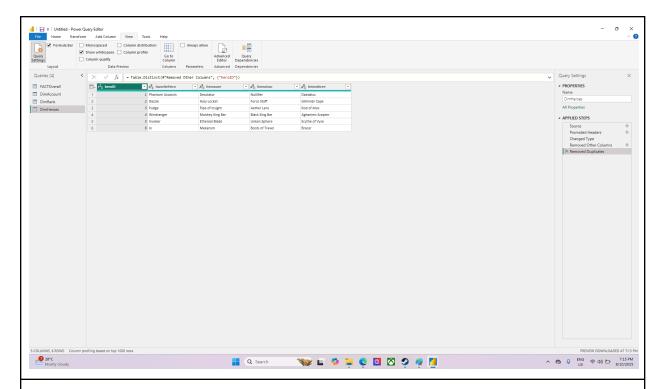
- accountID
- accountName
- roleID
- roleName



Dimension Name: DimHeroes

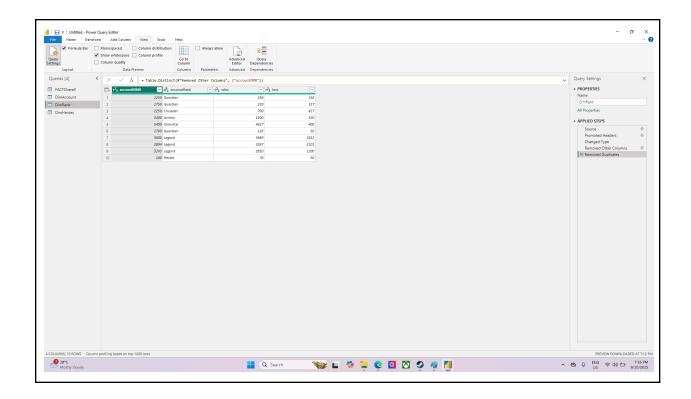
Columns:

- heroID
- favoriteHero
- Itemsone
- Itemstwo
- itemsthree

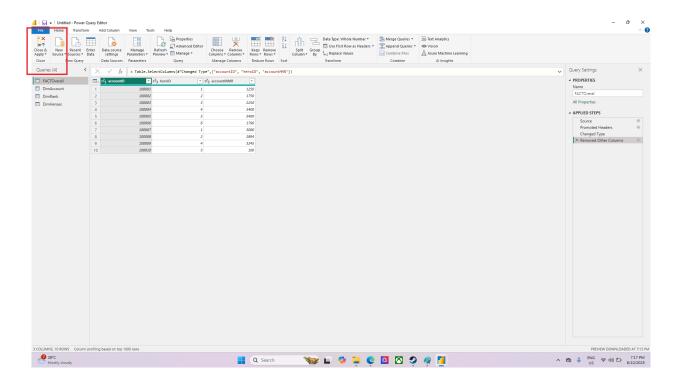


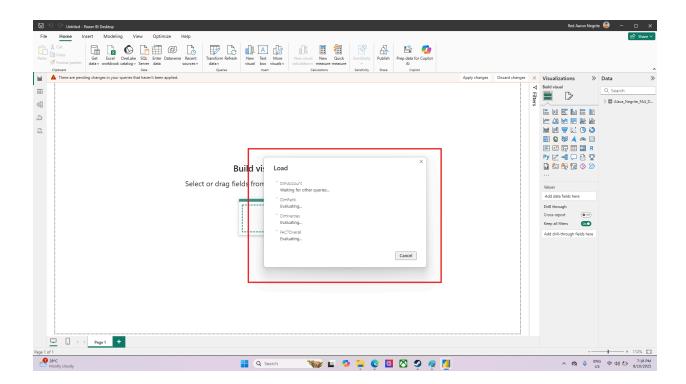
Dimension Name: DimRank Columns:

- accountMMR
- accountRank
- Wins
- loss

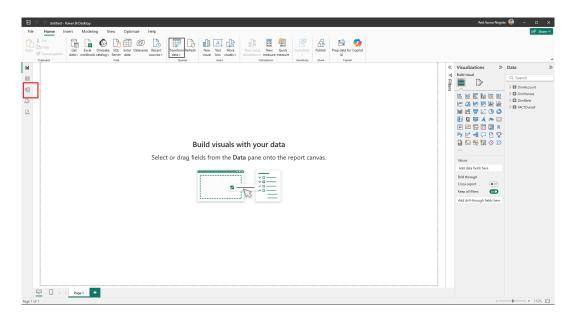


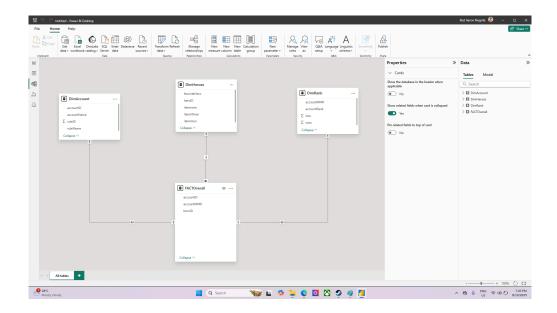
NOTE: In this section, it is a must to ascend the primary column into ascending order and to remove duplicated rows



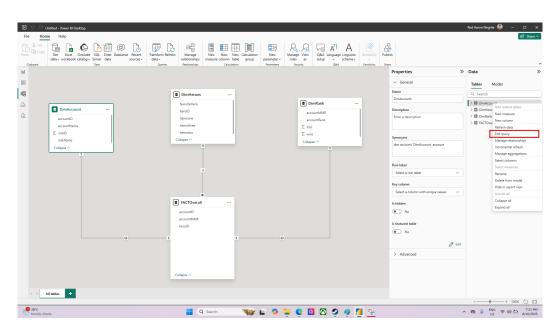


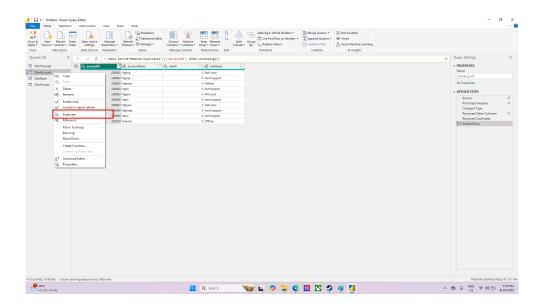
5. Using model view create one to one relationships that resemble a snowflake schema





To create a one-to-one relationship in the Model View:





Subdimension Table Properties

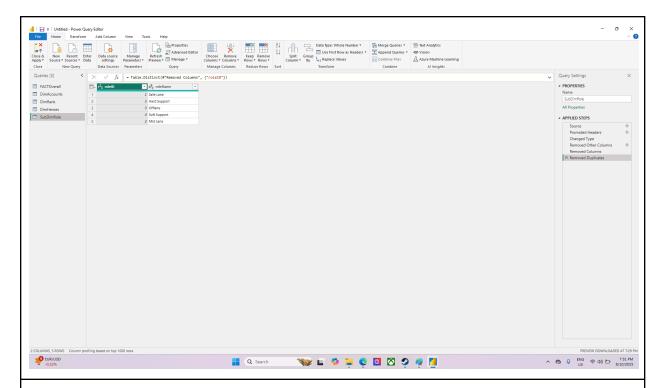
Subdimension Name: SubDimRole

From Dimension Name: DimAccounts

Columns:

- roleID

- roleName

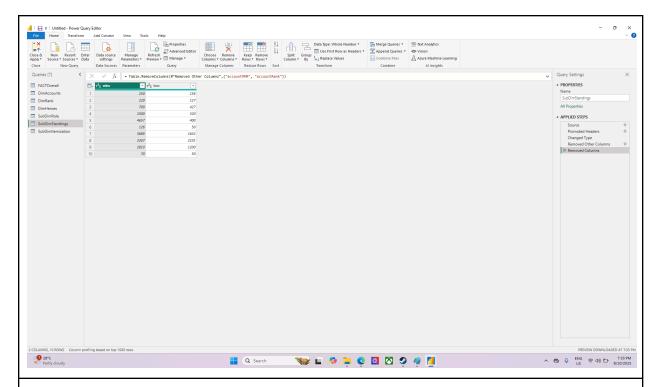


Subdimension Name: SubDimStandings

From Dimension Name: DimAccounts

Columns:

- wins
- loss

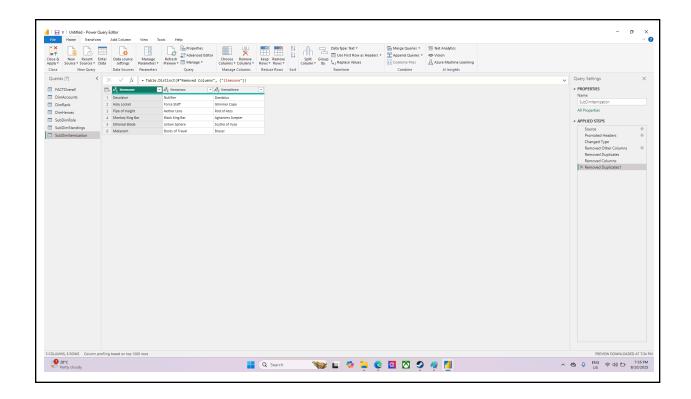


Subdimension Name: SubDimItemization

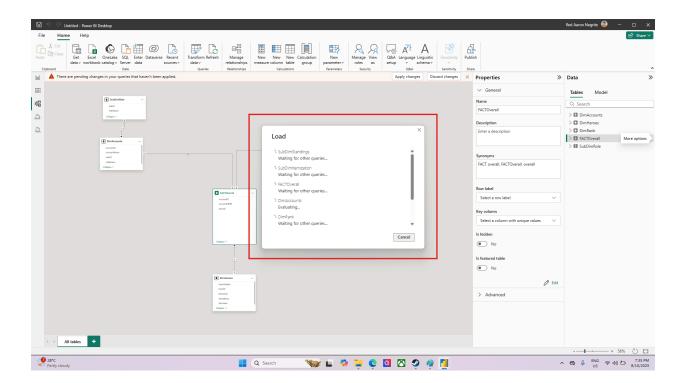
From Dimension Name: DimHeroes

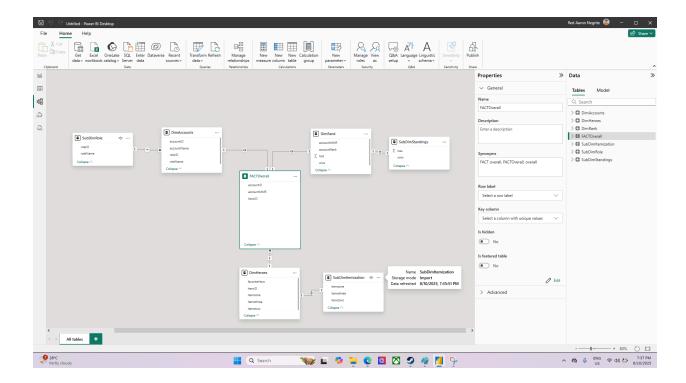
Columns:

- itemsone
- Itemstwo
- itemsthree

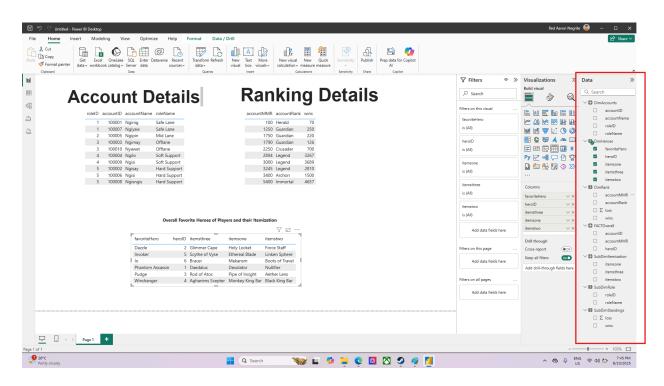


NOTE: In this section, it is a must to ascend the primary column into ascending order and to remove duplicated rows





6. Check the schema if it is working properly using the report view



Upon comparison in the Report View from the CSV File uploaded earlier, it was found that all datas are accurately displayed in the Report View