Group 7 (Jeffrey Pulinat, Thanushan Varatharajah, Jonathon Yu, Qiman Wang)
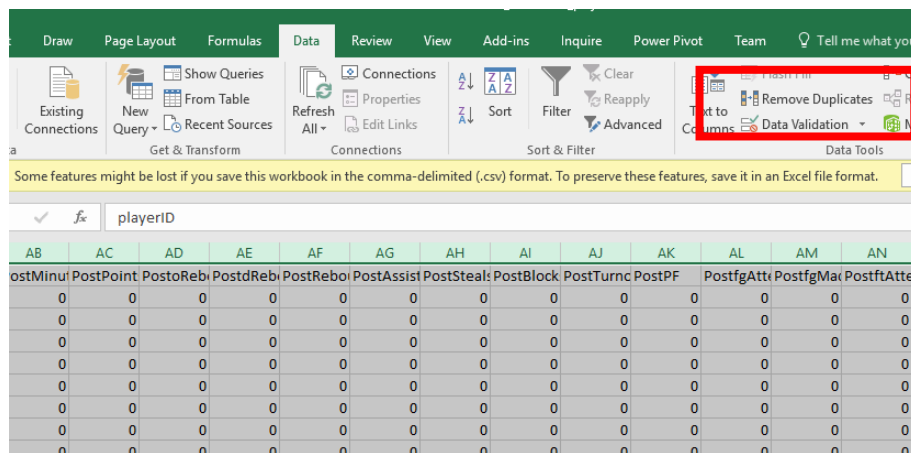
SSQL Database, diagram and type up- Jeffrey Pulinat

Dax Formulas- Thanushan Varatharajah, Jonathon Yu, Qiman Wang, Jeffrey Pulinat
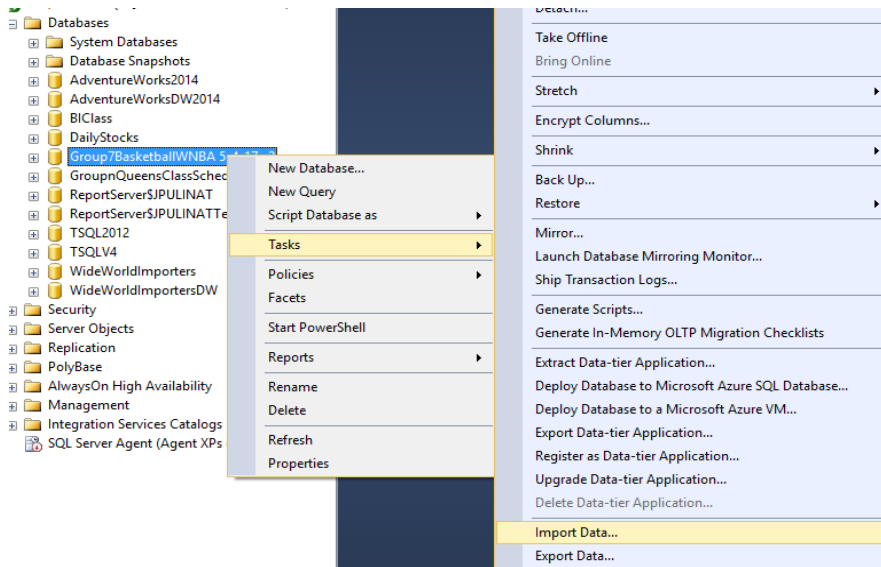
ER Diagram and Project Details

Importing Data

Edited all csv files with Excel. Highlighted all columns and used Remove Duplication, which can be found in the Data Tab. Master csv was the only one with duplicates and had three columns removed.

Created a new database called Group7BasketballWNBA. Imported Data from the csv files by right clicking database>Tasks>Import Data.

Data Source was Flat File Source. Format: Delimited

Text qualifier: "

Header row delimiter {CR}{LF}

Header rows to skip: 0

Colum names in the first row

Follow the steps and clicking next. For destination, I used .Net Framework Data Provider for SQL to connect and changed the following options.

Click Next. You can edit mappings, table name. There is an option to edit in SQL. So, I can copy and paste my SQL create table query I have made for every table. I repeated this step for every

csv file.

Starting Normalization

Created new tables called Players, Coaches and Teams. Used SQL commands INSERT and SELECT DISTINCT to get a table with distinct data.

Example:

```
INSERT INTO target_table (col1, col2, col3)
SELECT DISTINCT st.col1, st.col2, st.col3
FROM source_table st
```

```
INSERT INTO Coaches (coachID)
SELECT DISTINCT st.coachID
FROM CoachInfo st
```

Primary/Foreign Key Relationships

Set primary keys. Added a new row for some tables representing row ID's to have a unique distinct column to make the primary key.

```
alter table Example
add New Column int identity(1,1)
```


On the Design Page of the table. Right click. Click Relationships. Click the arrow on Tables and Columns... Enter in foreign table and column and the Base table and column. Did this for all tables in database. You can add more relationship on a table by clicking add on the bottom left.

ER Diagram

Right click on Database Diagrams in your database and click New Database Diagram. Add Table will pop up. Add all the tables you need. In my case, all of them.
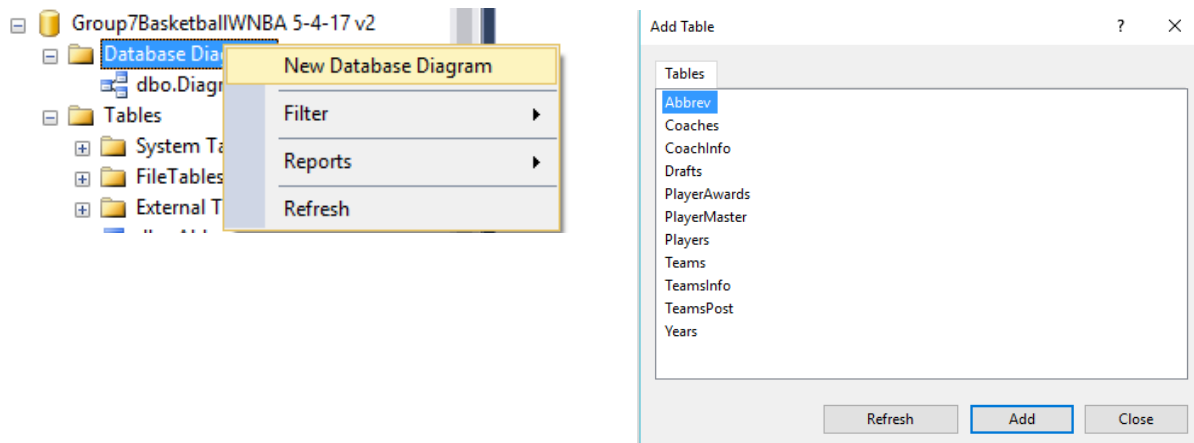

Diagram will auto create itself. You can move tables around as you please.