Sri Lanka Institute of Information Technology



Data Warehousing and Business Intelligence IT3021 Assignment 2

Submitted by:

Full name: - H.A.M Senadheera

Registration No.: - IT20125998

Batch: - Y3.S1.DS.WE.04

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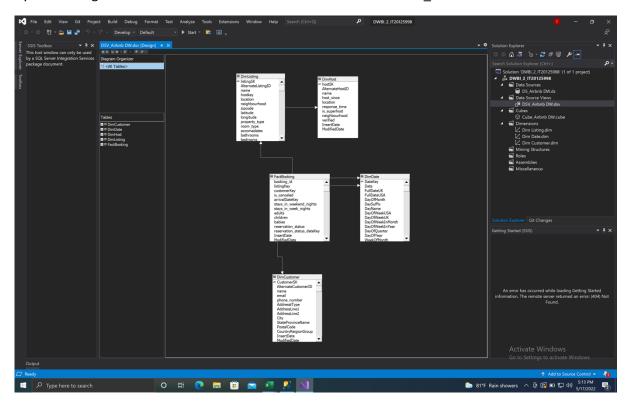
Data source

Data warehouse created for storing Airbnb bookings in the DWBI Assignment 01 was used for generating the cubes for this assignment.

Creating the SSAS cube

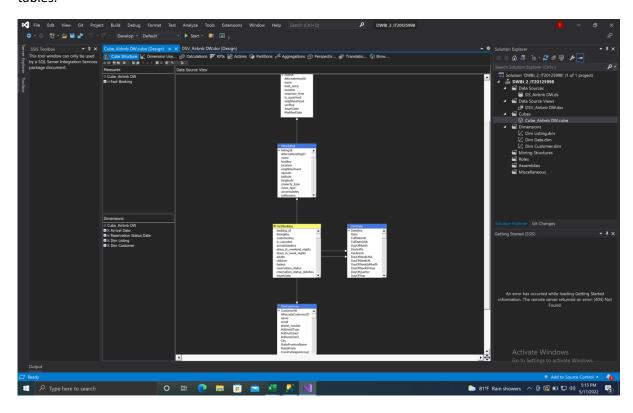
Creating the view

By connecting with the data warehouse as source a view named DSV_Airbnb was created.



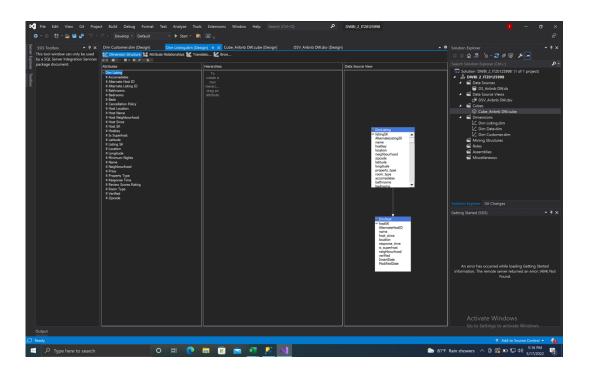
Designing the cube

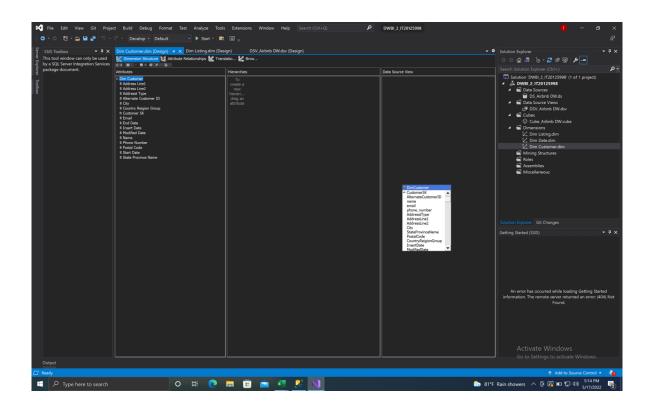
I designed the cube selecting the FactBooking, DimCustomer, DimListing, DimHost and DimDate tables.

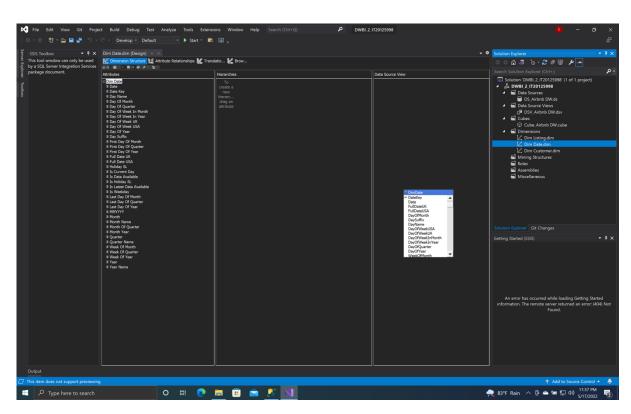


Listing the missing attributes

Since only key attributes of the dimensions are visible other attributes were added manually by dragging and dropping from the dimension tables.



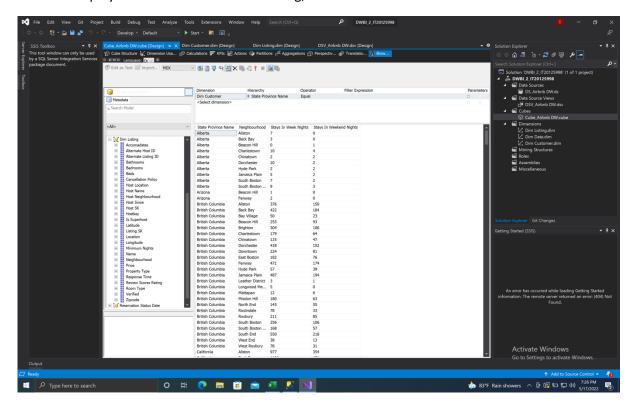




Deploying the cube

Then cube was processed and deployed.

After the deployment of the cube and browsing, it will look like this.

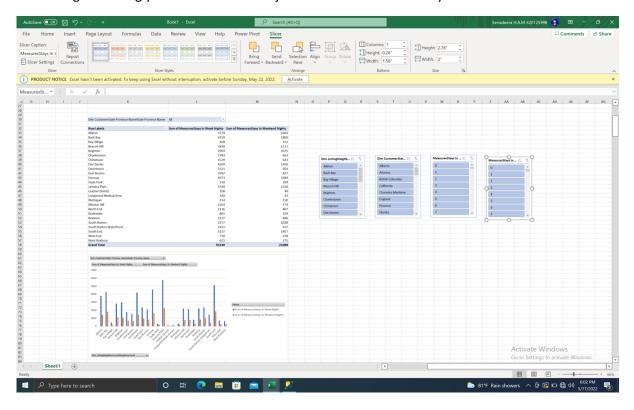


OLAP Operation

Microsoft Excel's PowerPivot function is used to do the OLAP operations.

Slicing

The Slicing is filtering your data to focus on just a subset it is more likely a "where" statement.



SSRS Reports

Report with Matrix

Total number of hosts in the areas and whether those hosts are verified or not.

