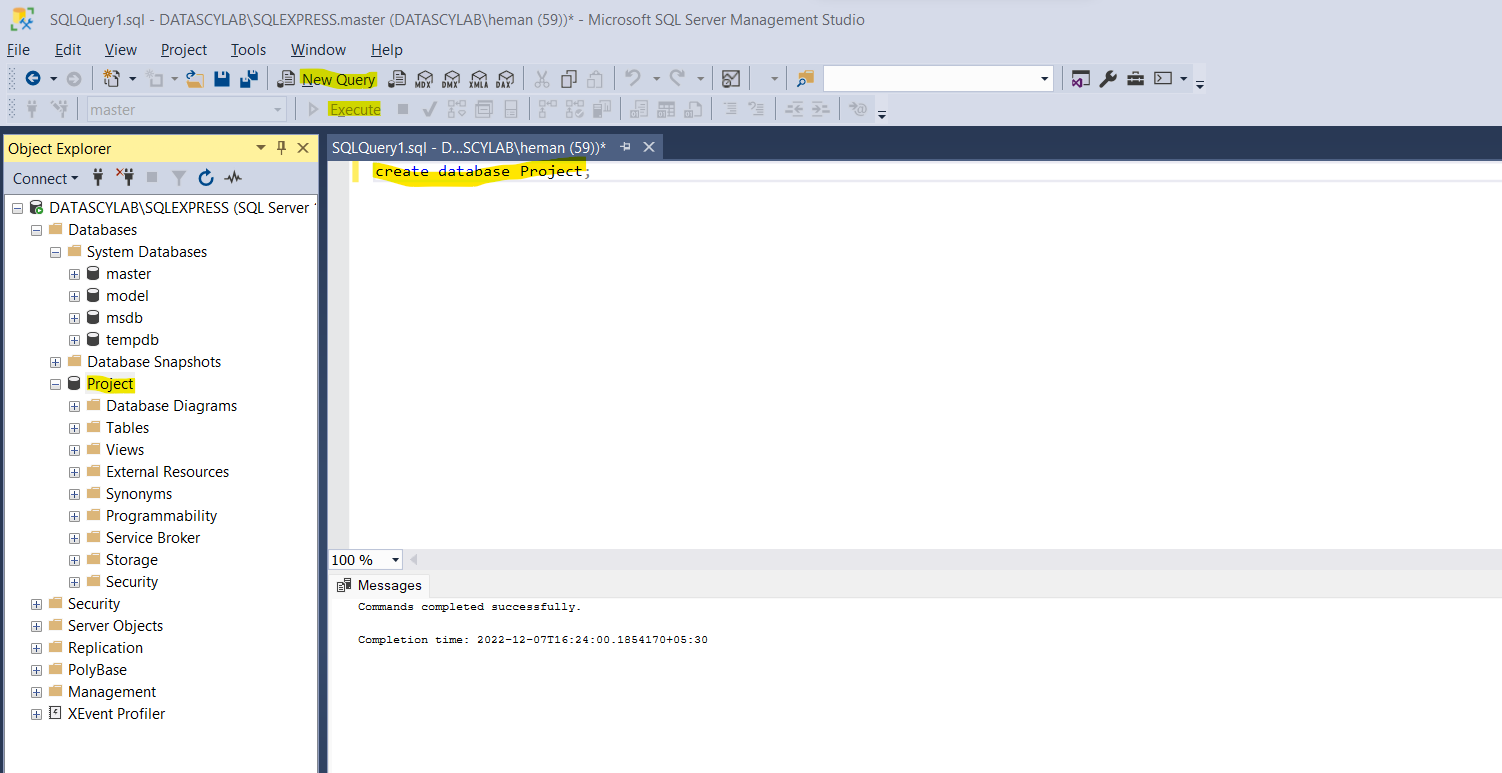
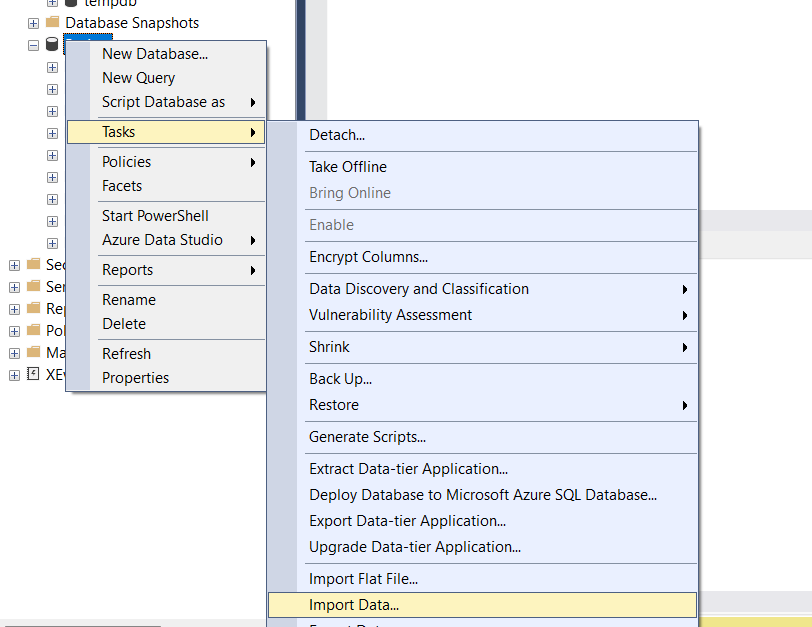
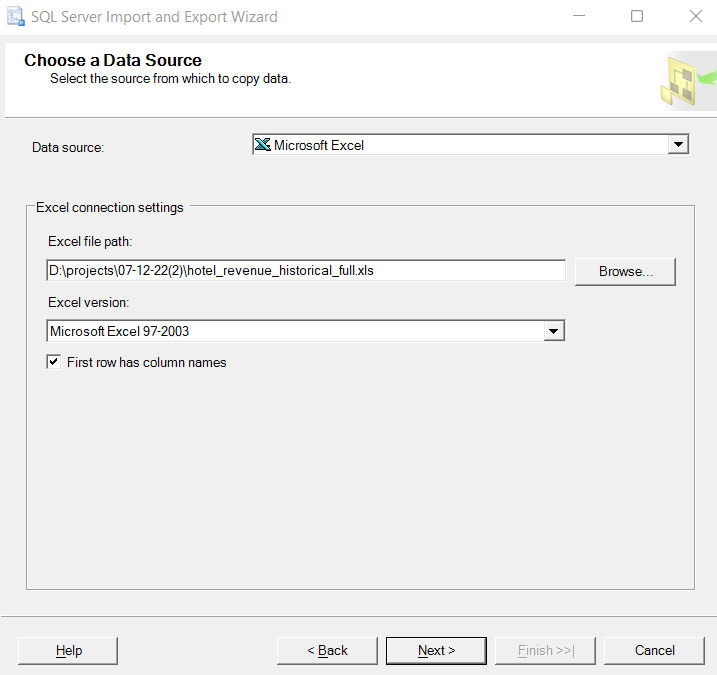
Open Microsoft SQL serval management

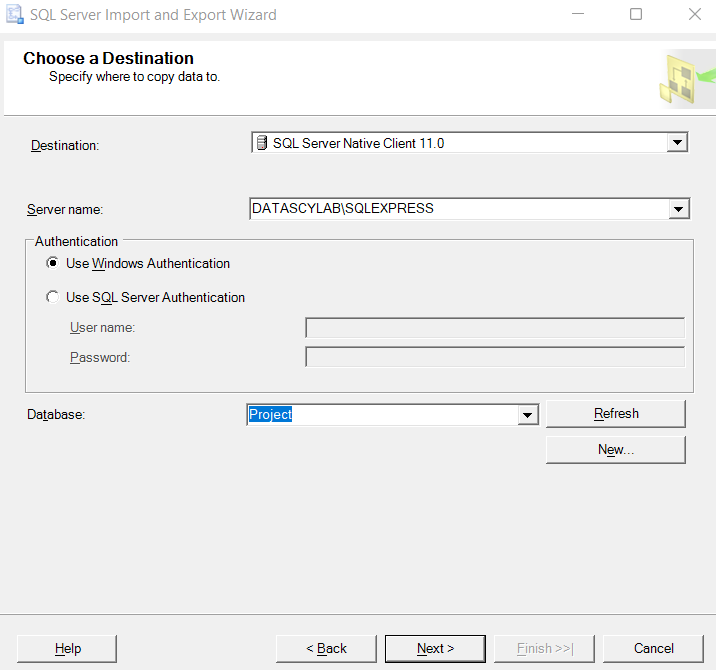
Create database-

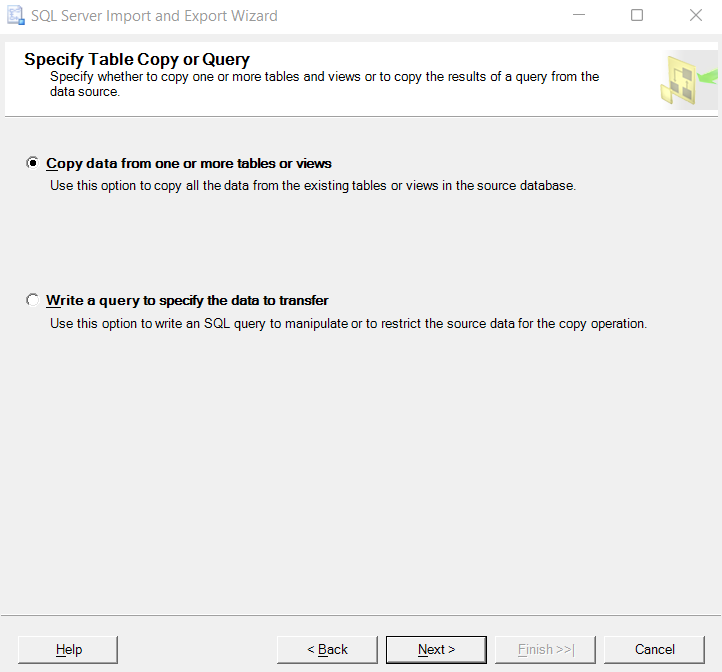


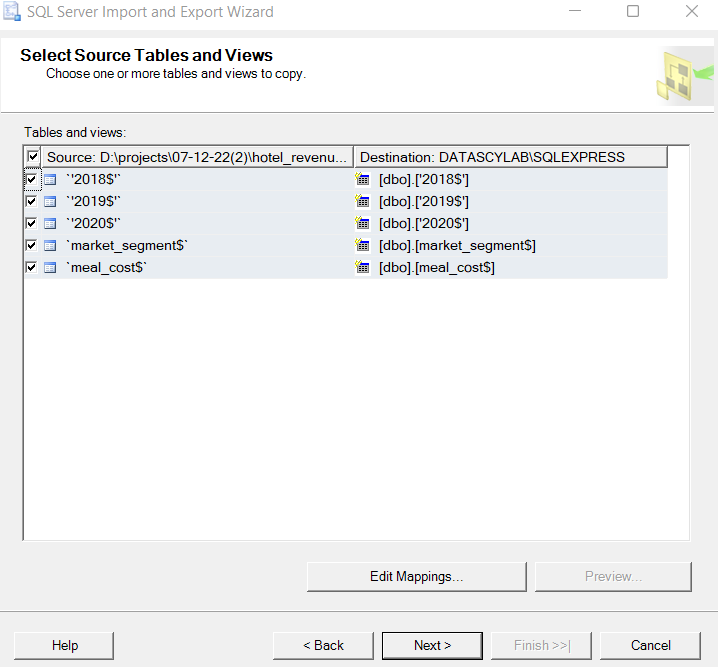
Importing excel data(Note-Save excel file to 2003)-











After importing data to sql our next goal is to develop a query which can combine all tables so as we can use it in powerbi dashboard creation

Query as follows-

/\*create temporary column hotels\*/

with hotels as (

select \* from dbo.['2018$']

union

select \* from dbo.['2019$']

union

select \* from dbo.['2020$'])

/\*adding discount column to hotels table from market\_segment table with left join\*/

select \* from hotels

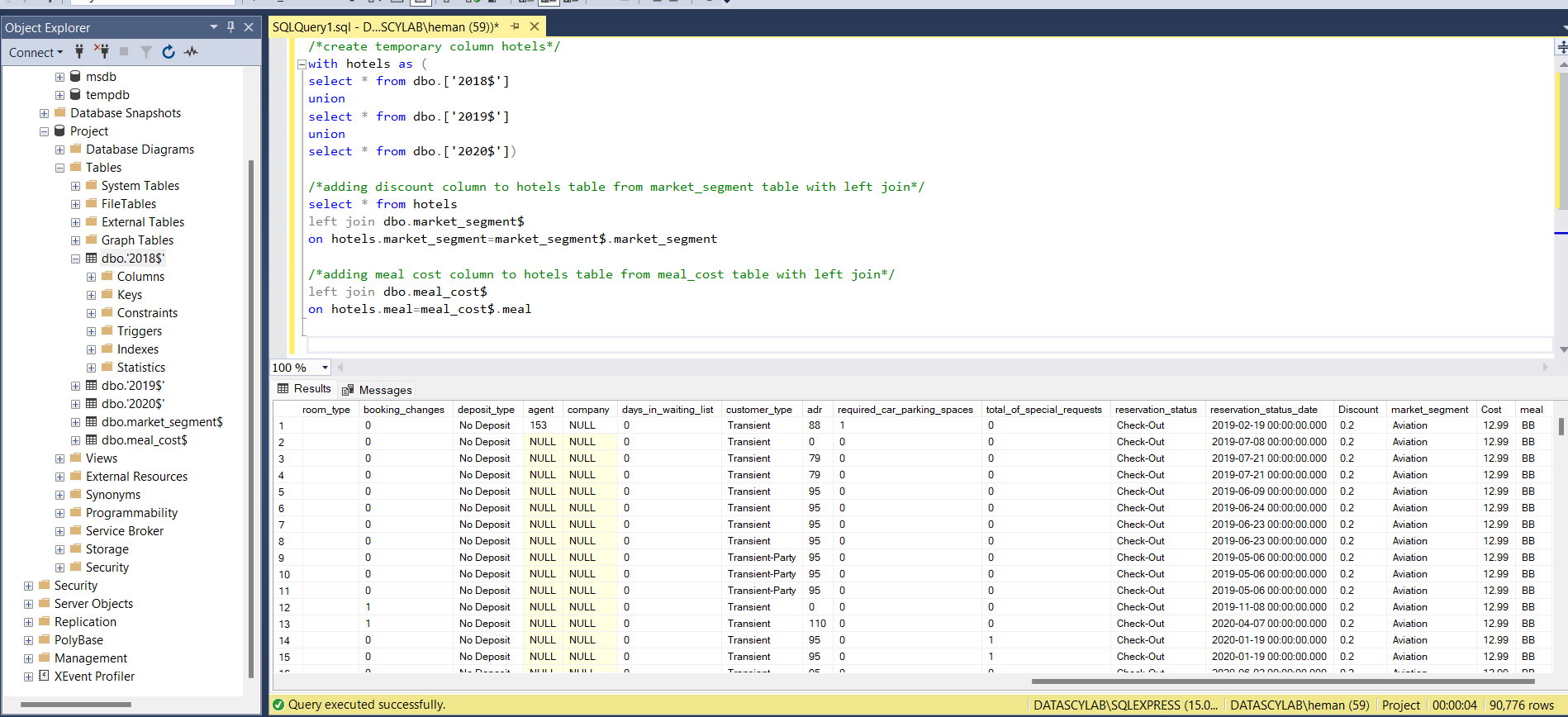
left join dbo.market\_segment$

on hotels.market\_segment=market\_segment$.market\_segment

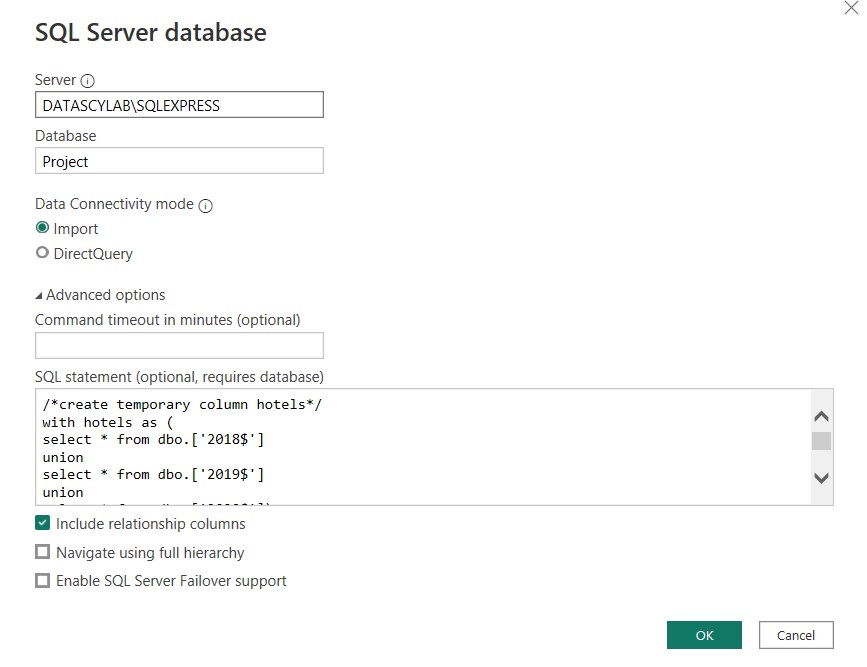
/\*adding meal cost column to hotels table from meal\_cost table with left join\*/

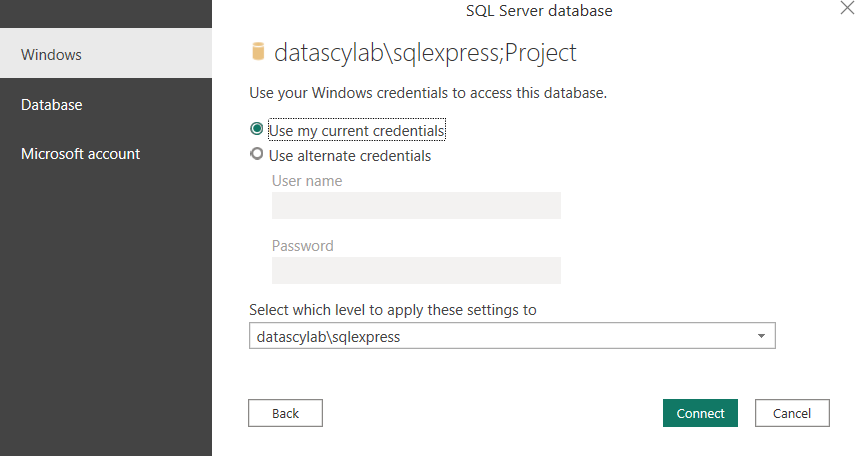
left join dbo.meal\_cost$

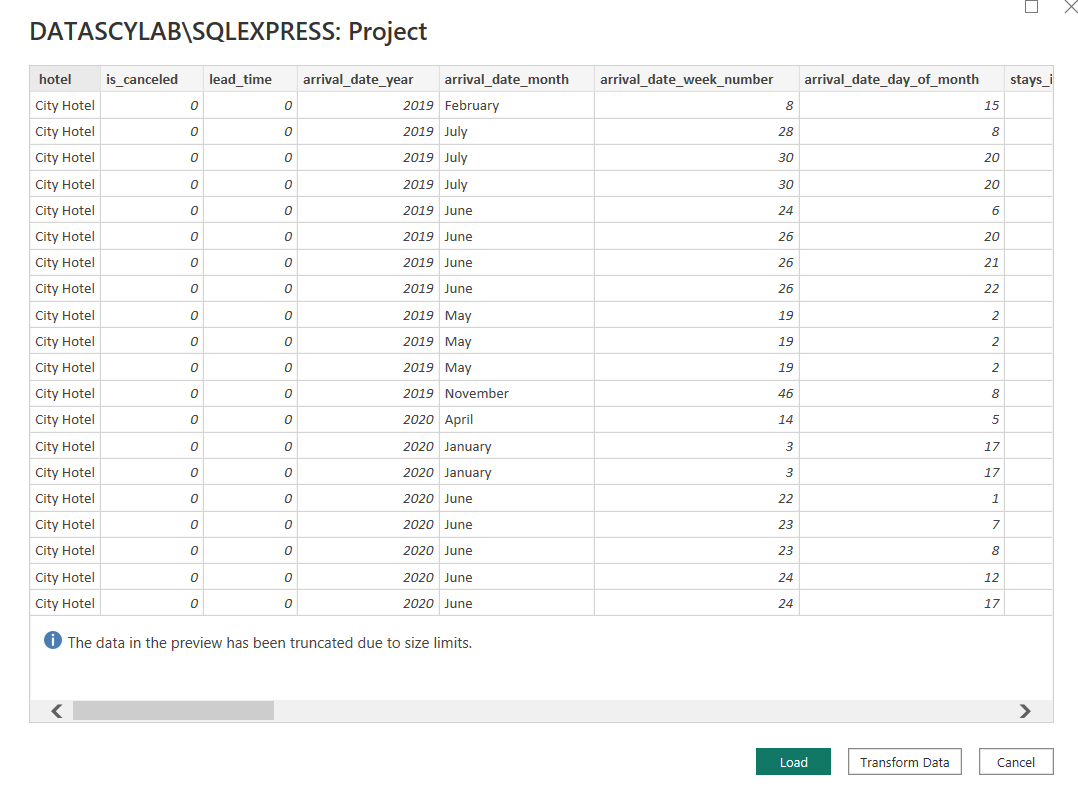
on hotels.meal=meal\_cost$.meal



Then open powerbi and click on import data from sql server and fill details of server name,database and query



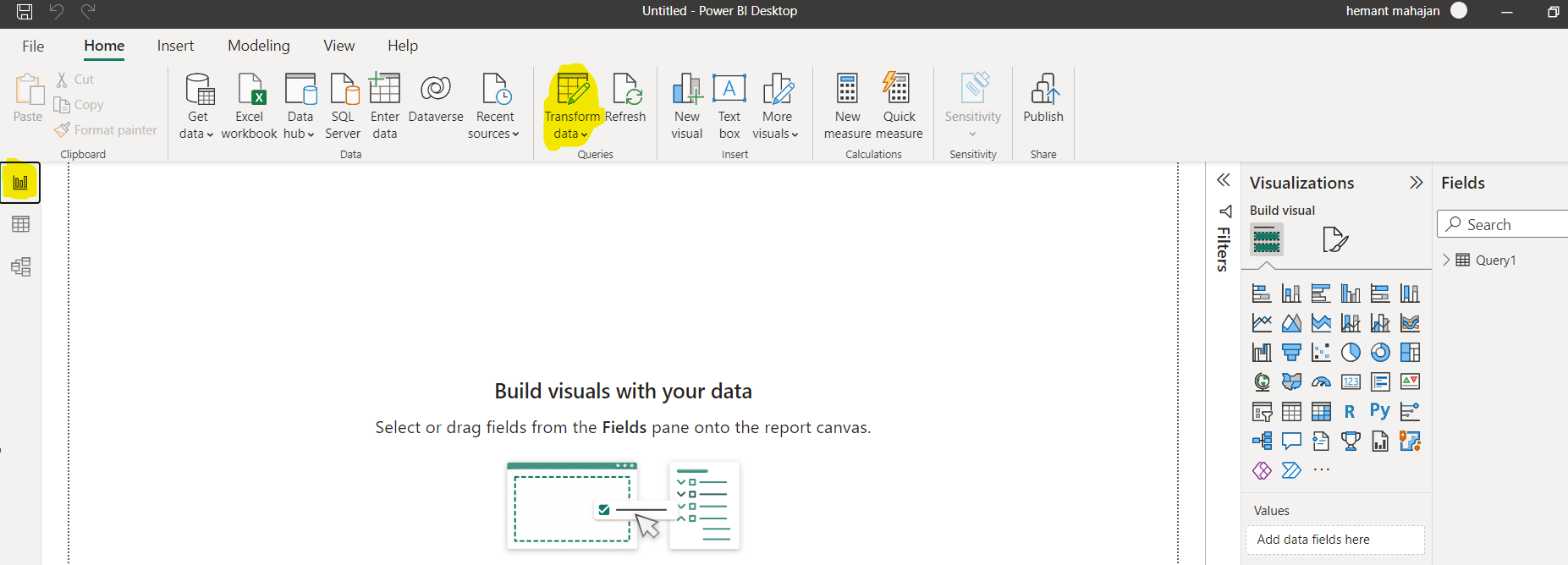


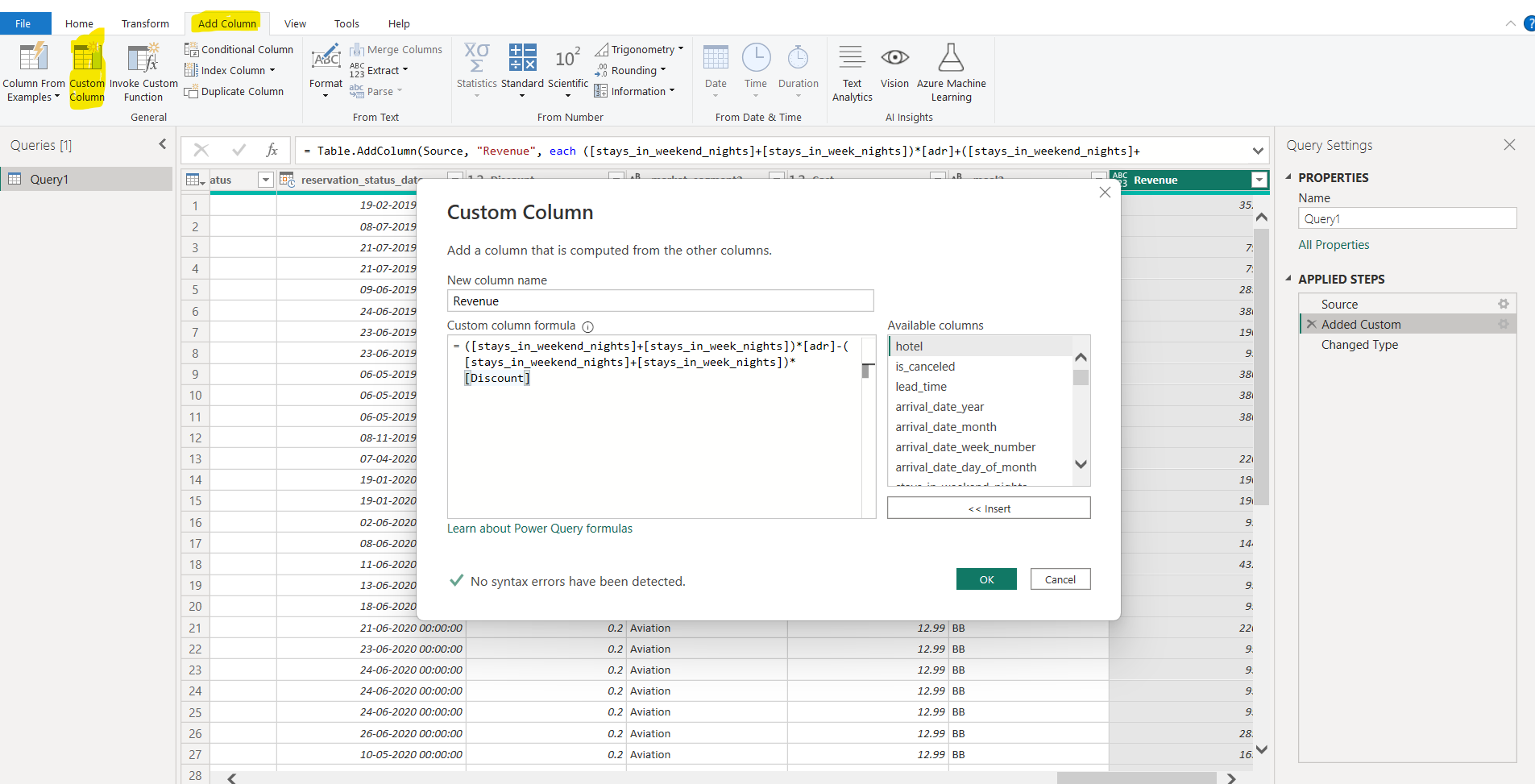


After loading data to powerbi

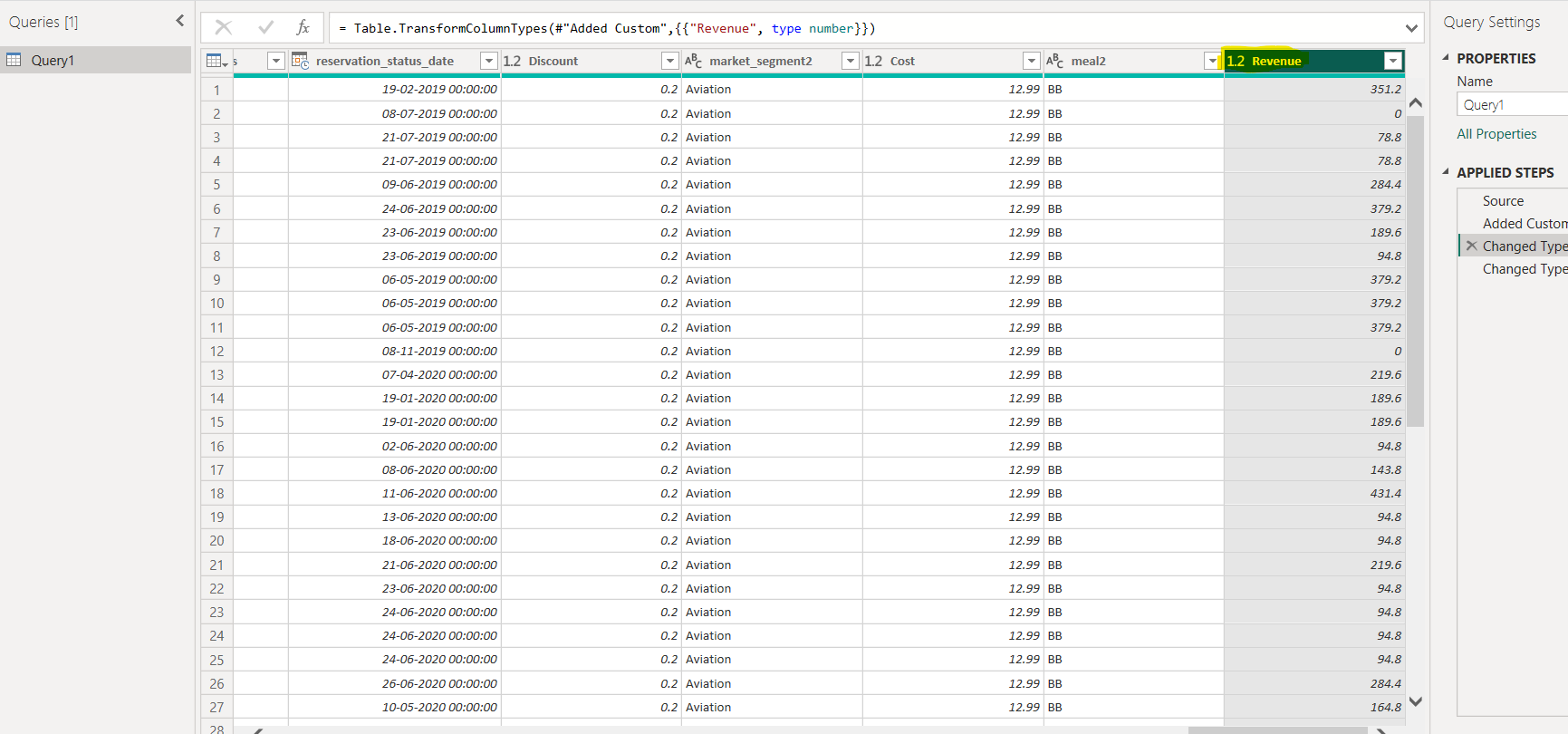
We first calculate whether revenue increases year in year?

For that we create a column revenue



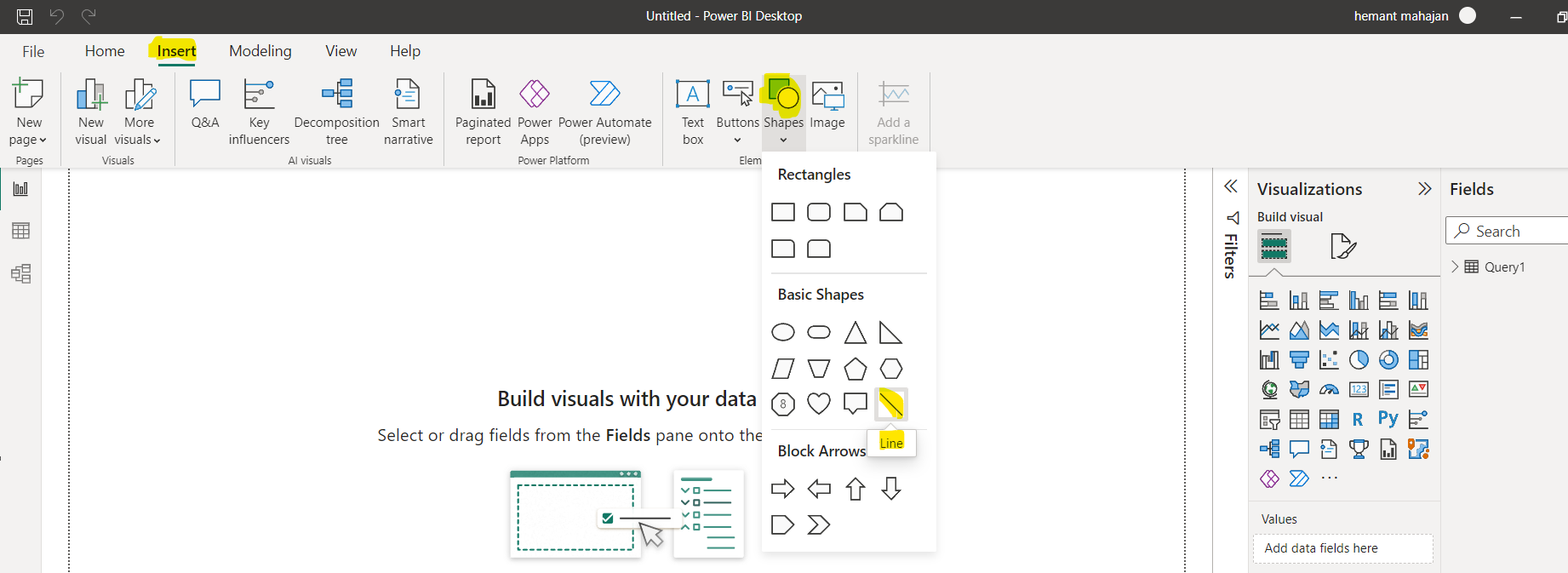


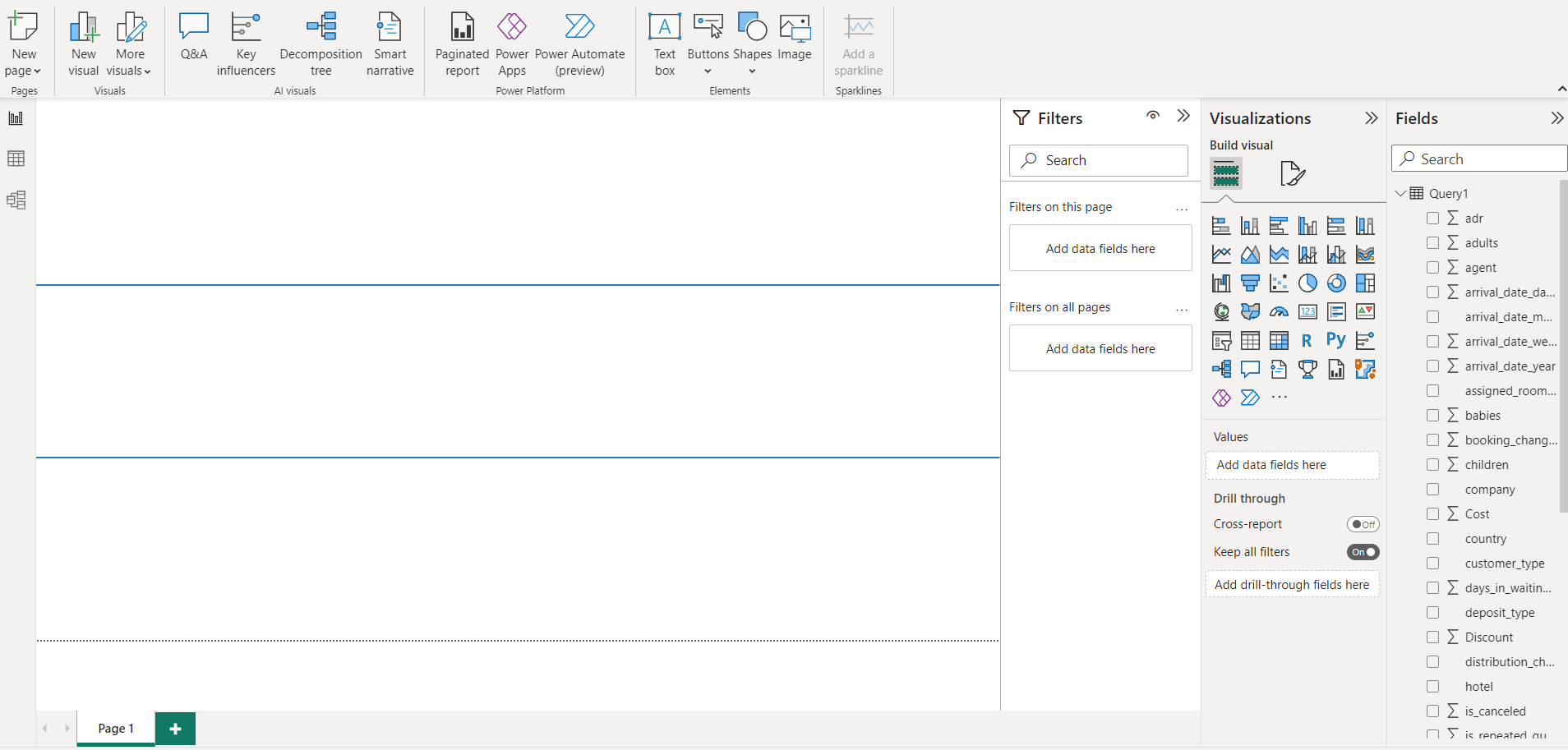
Convert Revenue column into decimal number



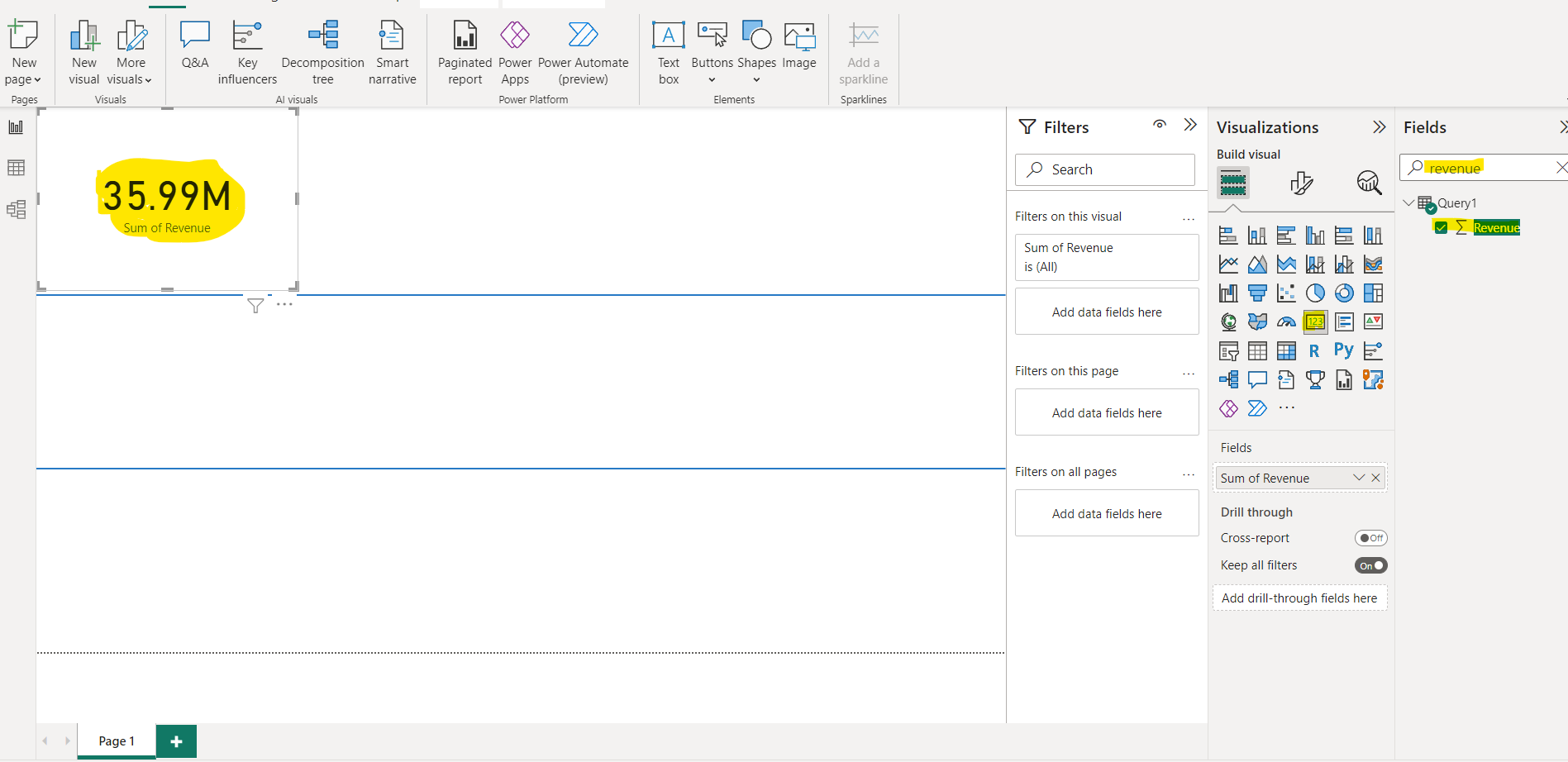
Close and save the changes

Insert lines to separate charts in dashboard

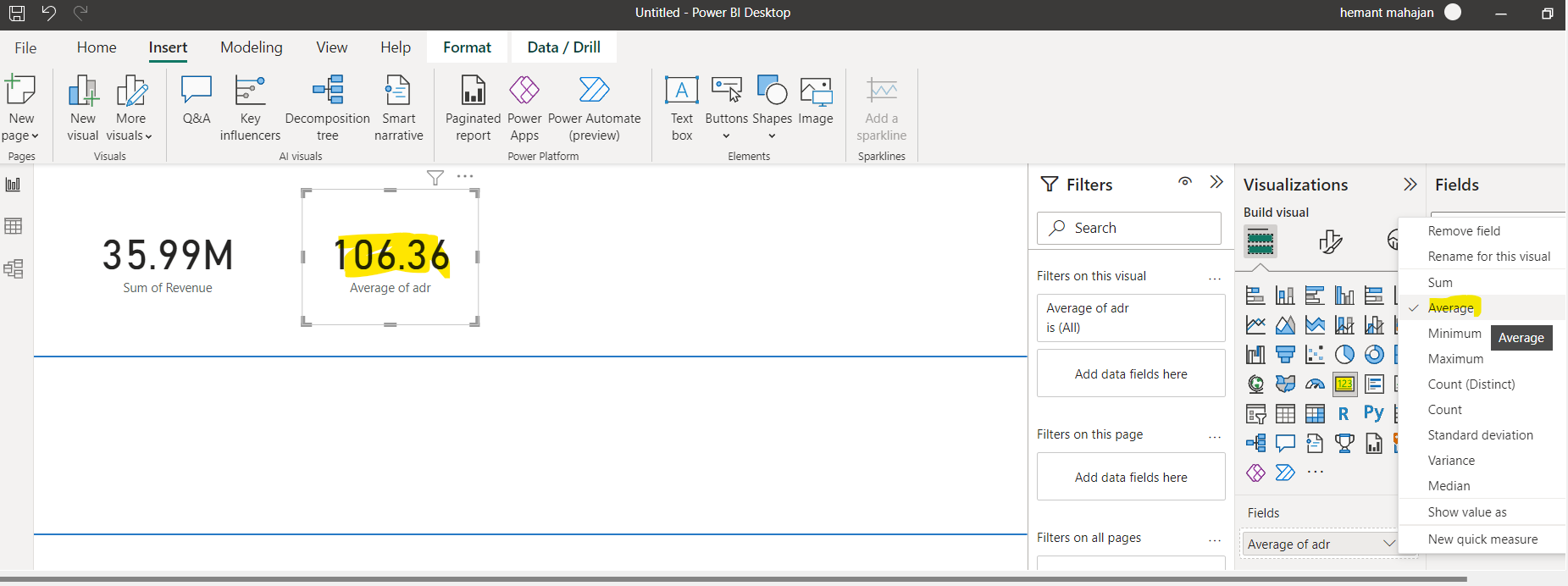




Add total revenue to dashboard



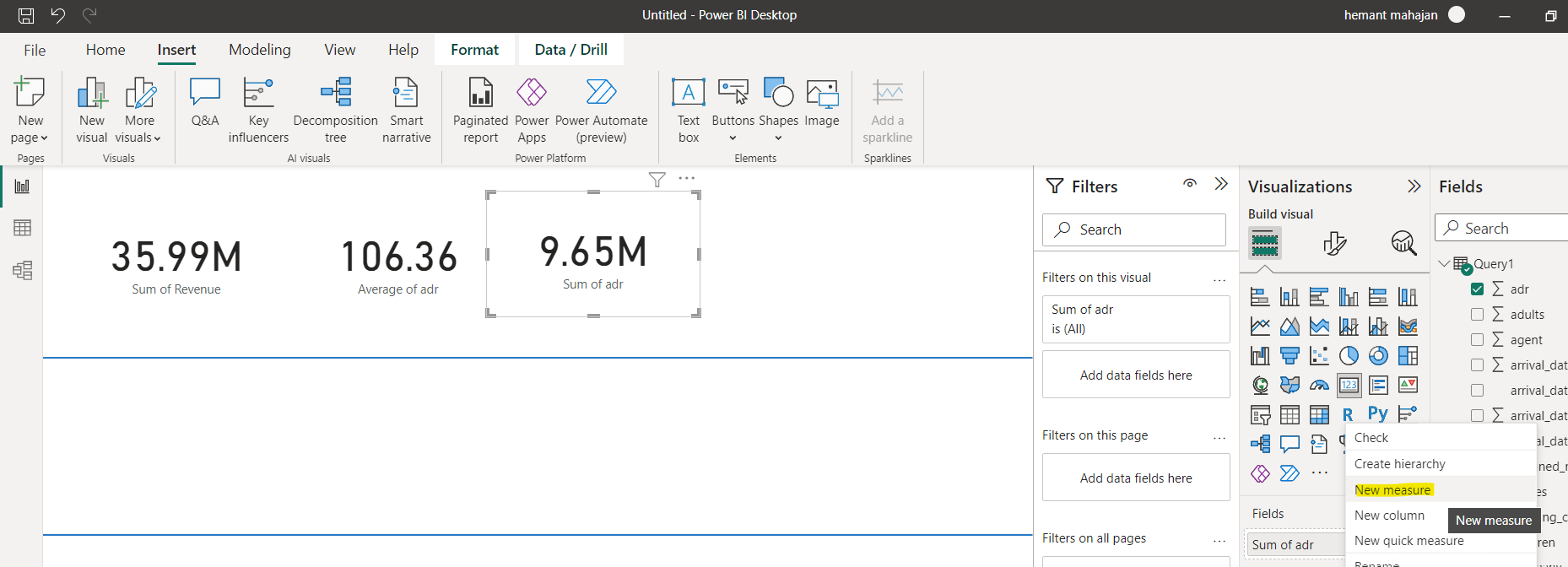
Add average adr



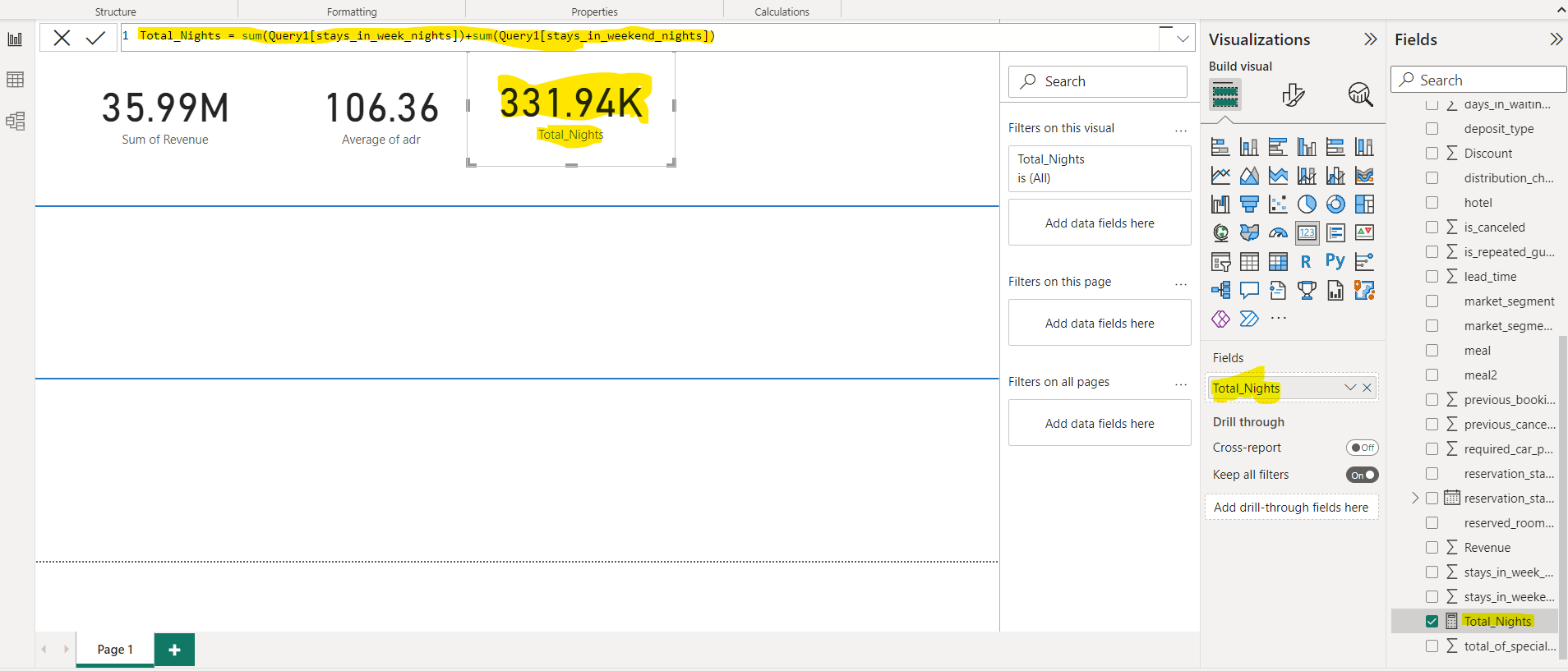
To create new measure called Total\_Nights:

1st make a copy of Average of adr and then

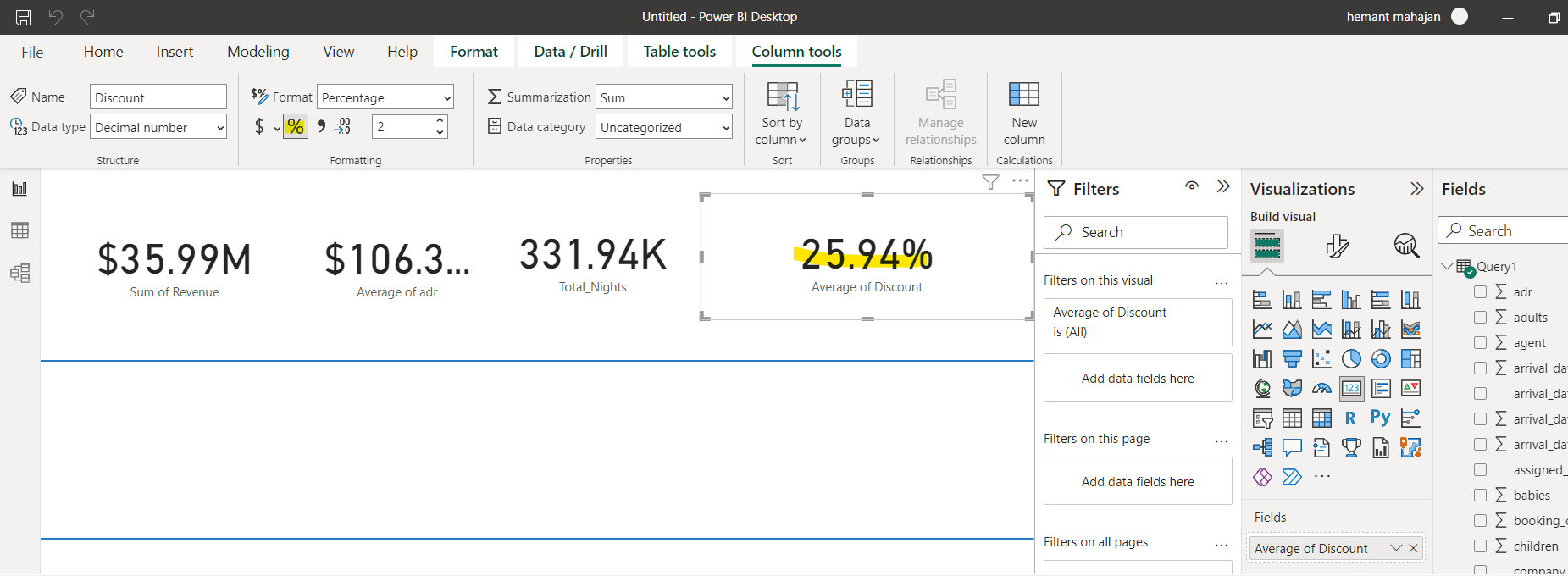
Right click on field and select New Measure



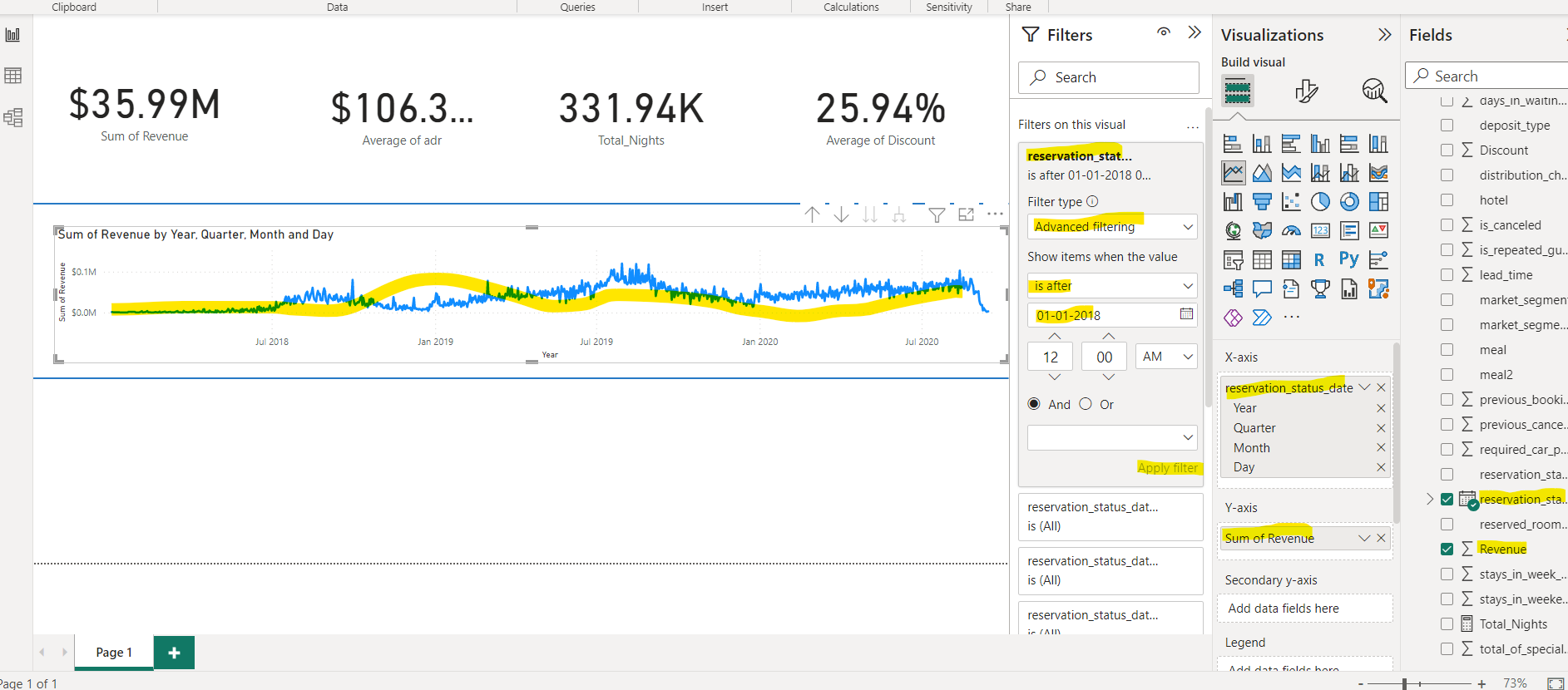
Add power query as below and drag Total\_Nights to field drop down as highlighted below



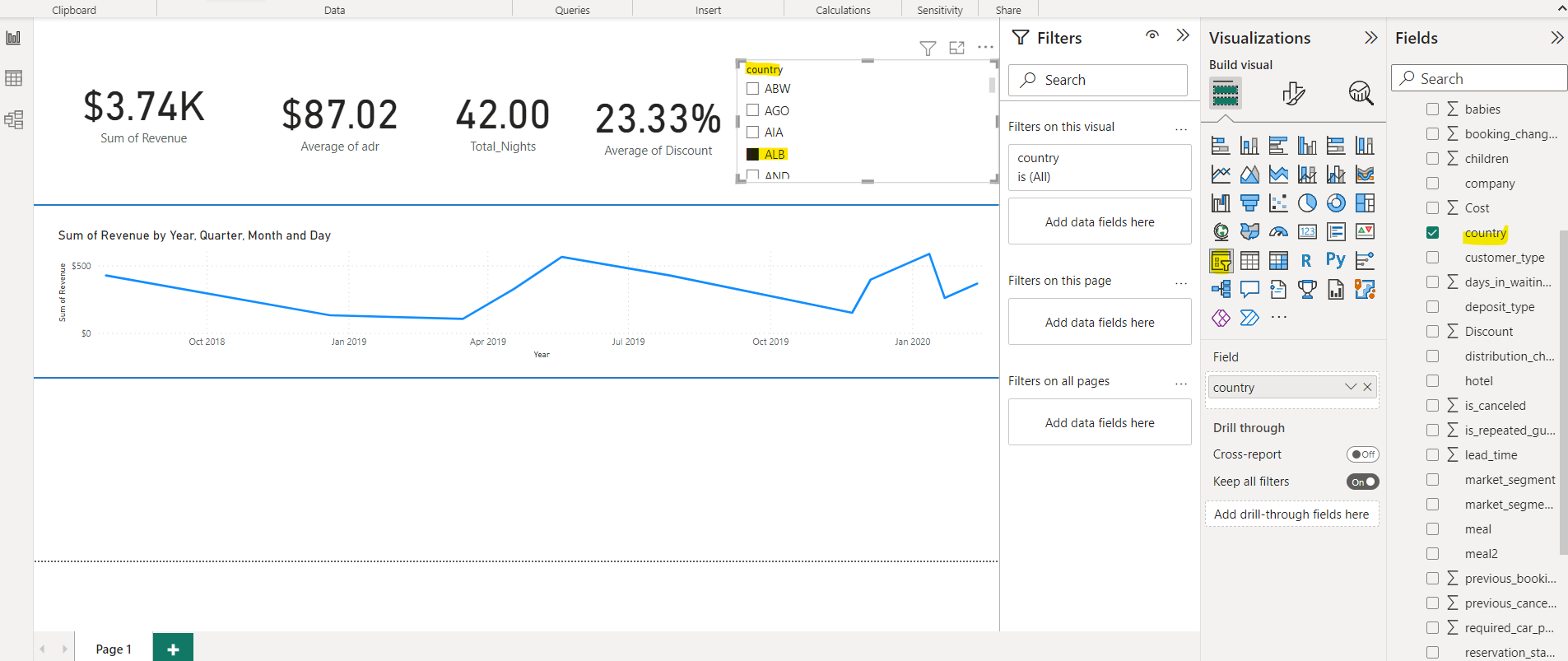
Calculate Average discount



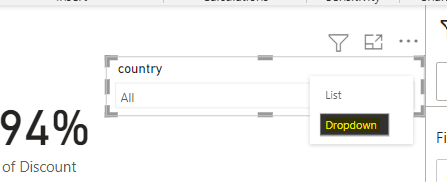
Line chart of sum of revenue



Add country filter

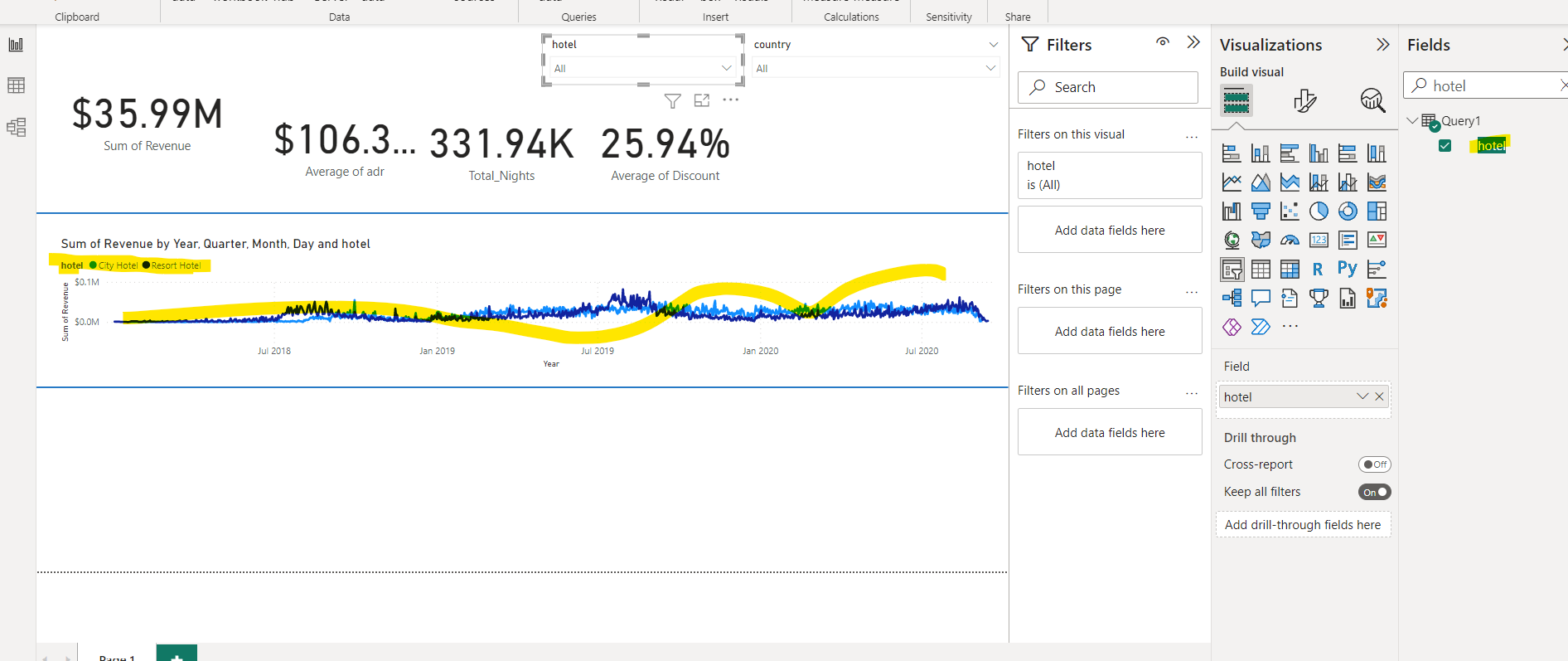


Convert country filter to dropdown

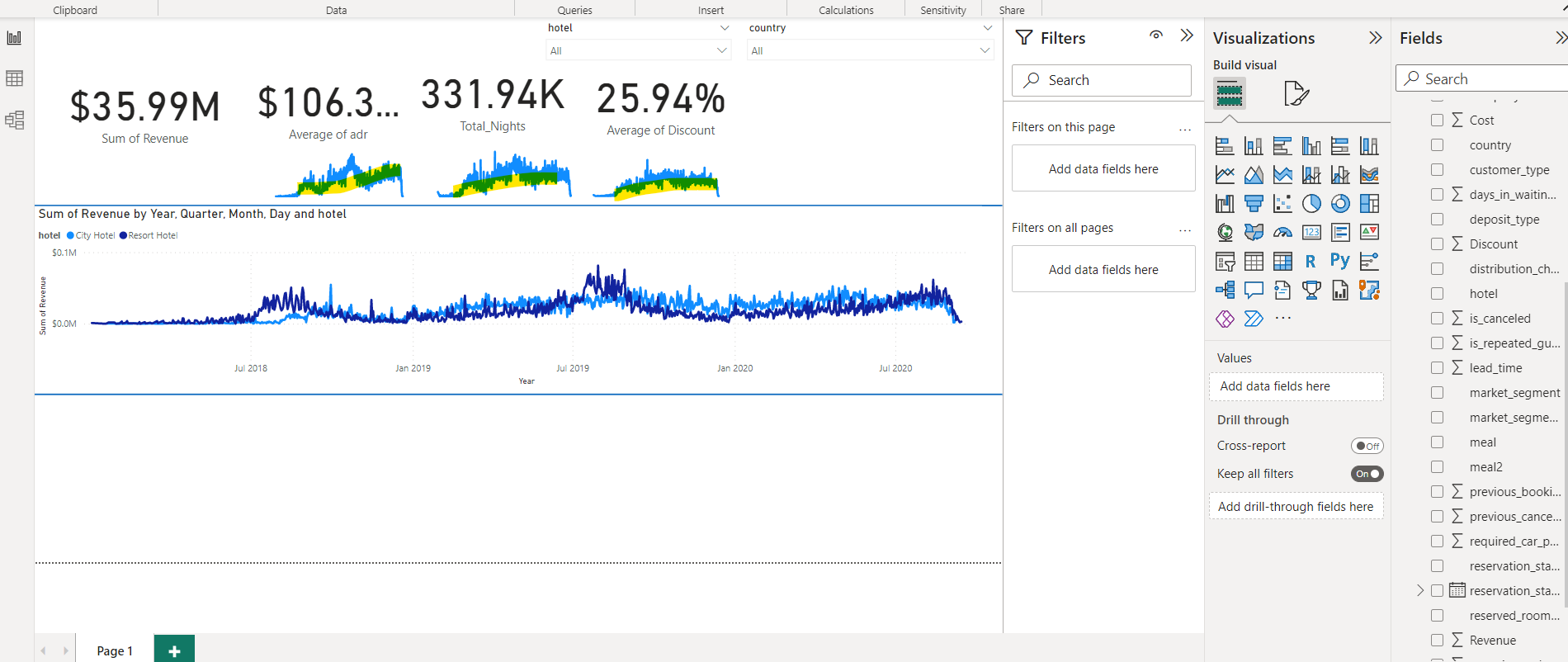


Similarly create dropdown for hotel

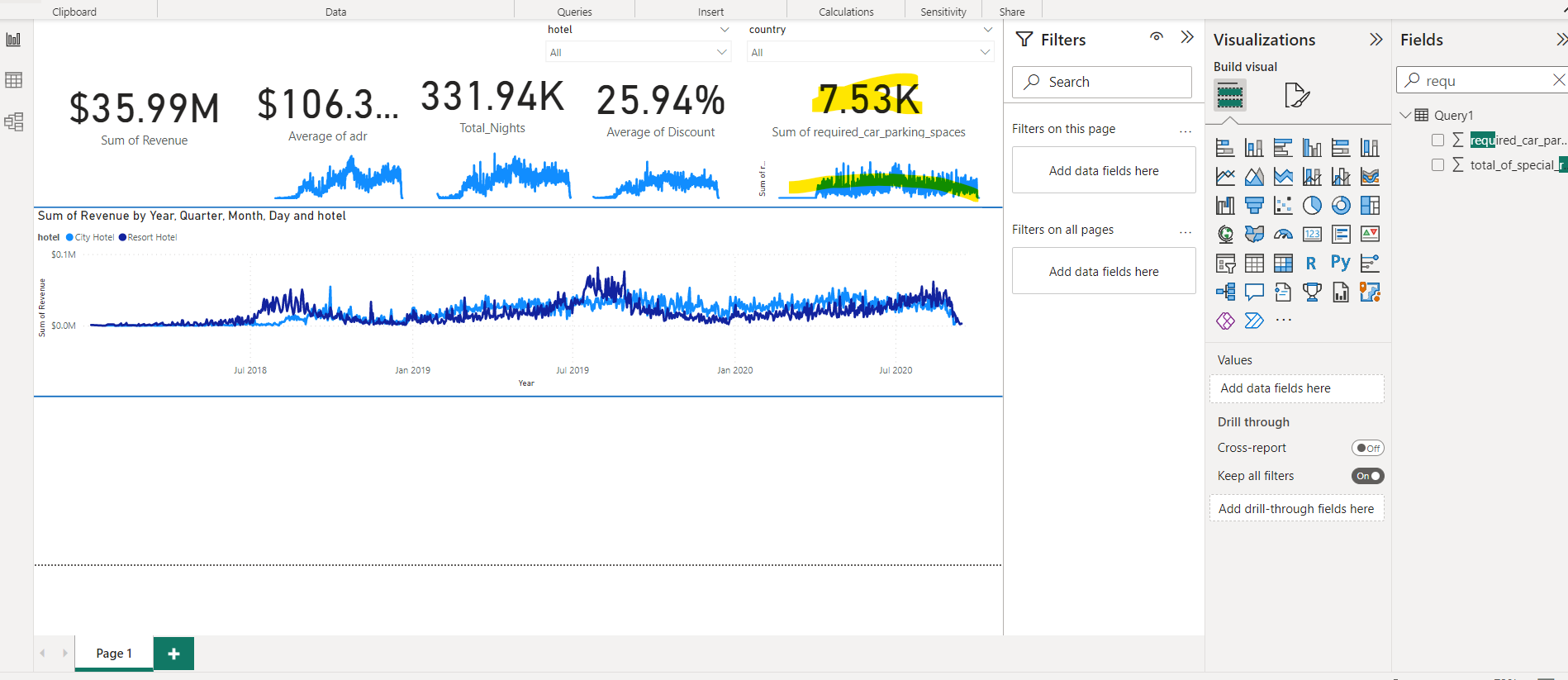
Drag hotel to line chart to create separate line charts for city and resort hotels



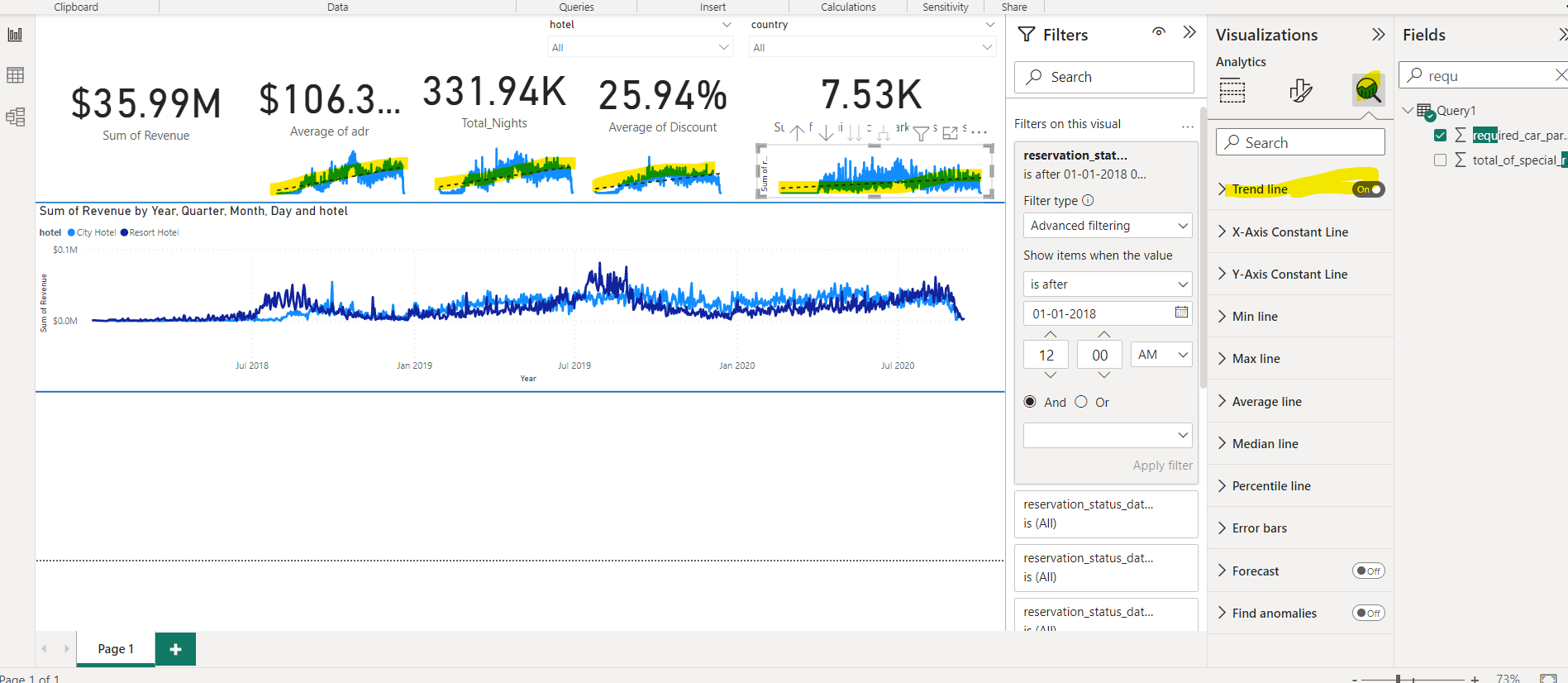
Create line chart of respective fields-



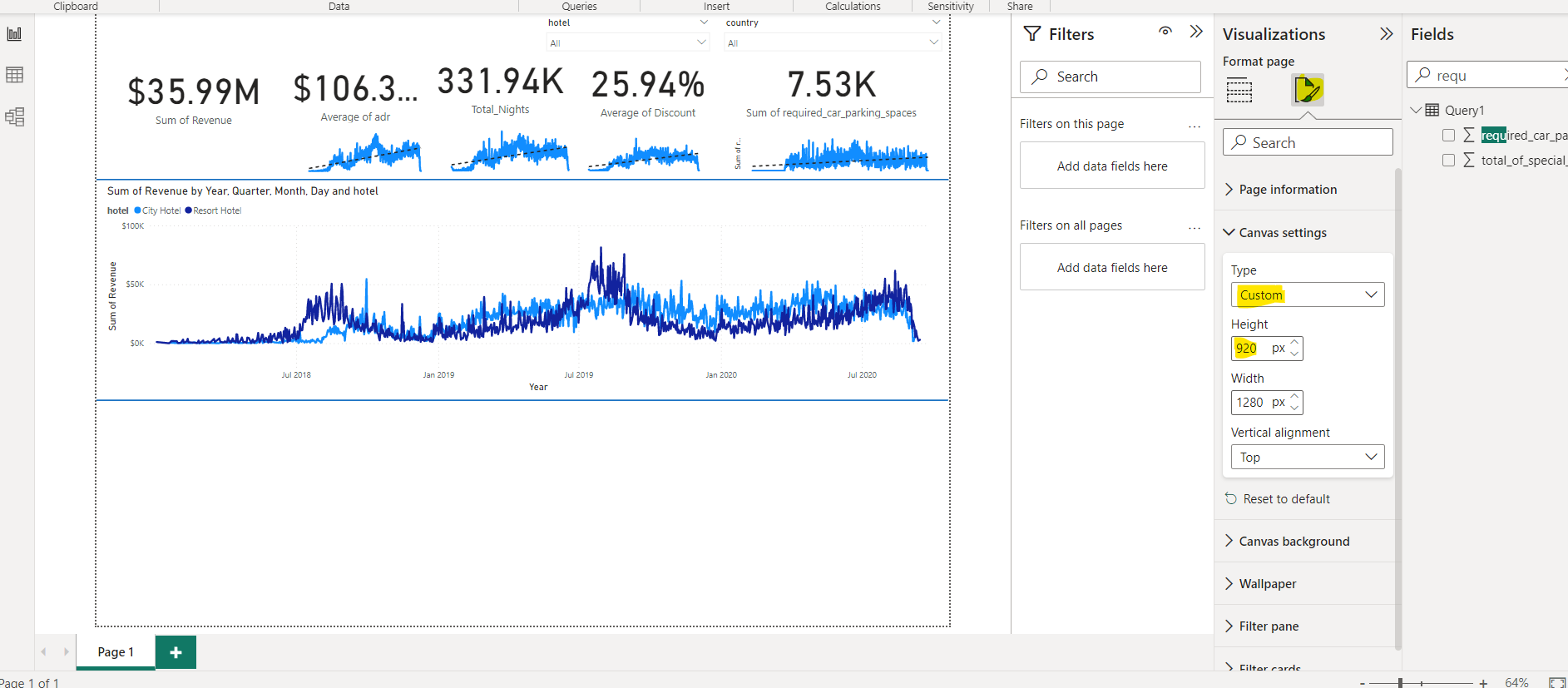
Add sum of required car spacing



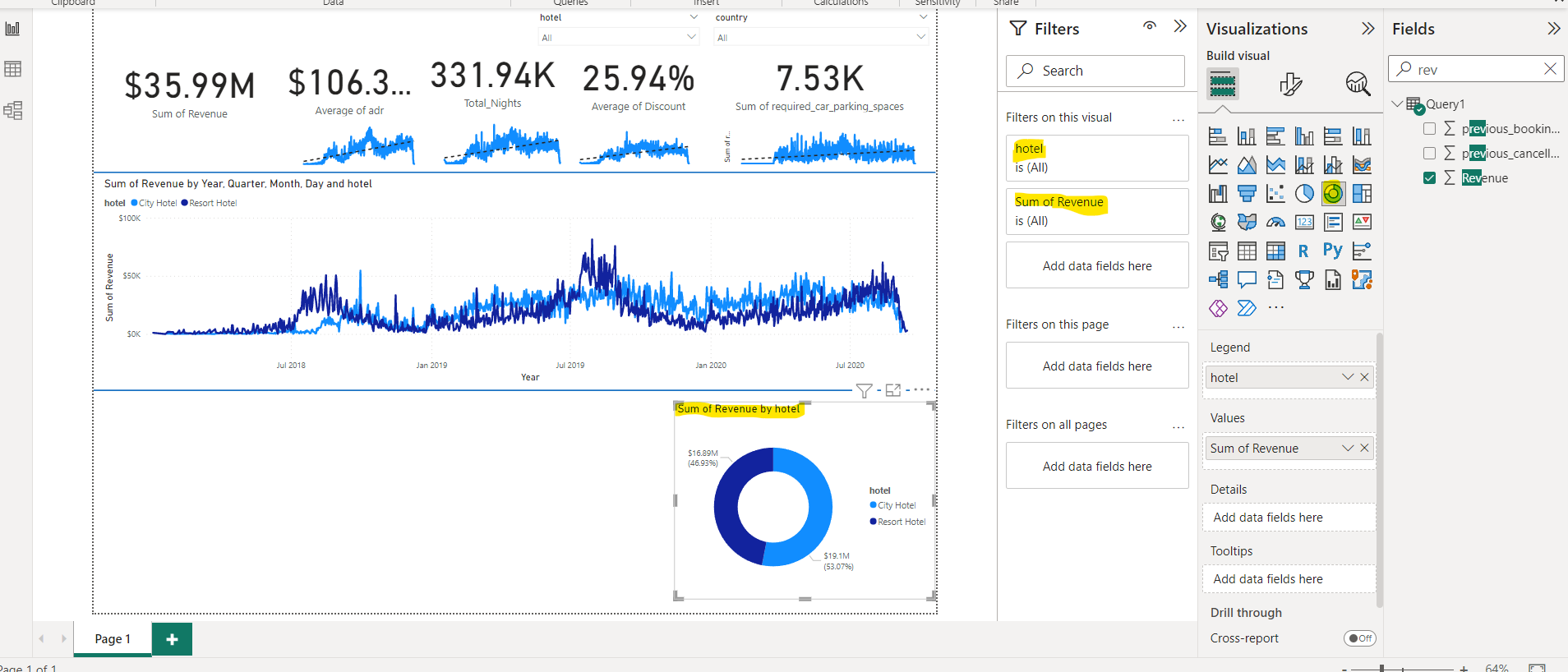
Add trendline-



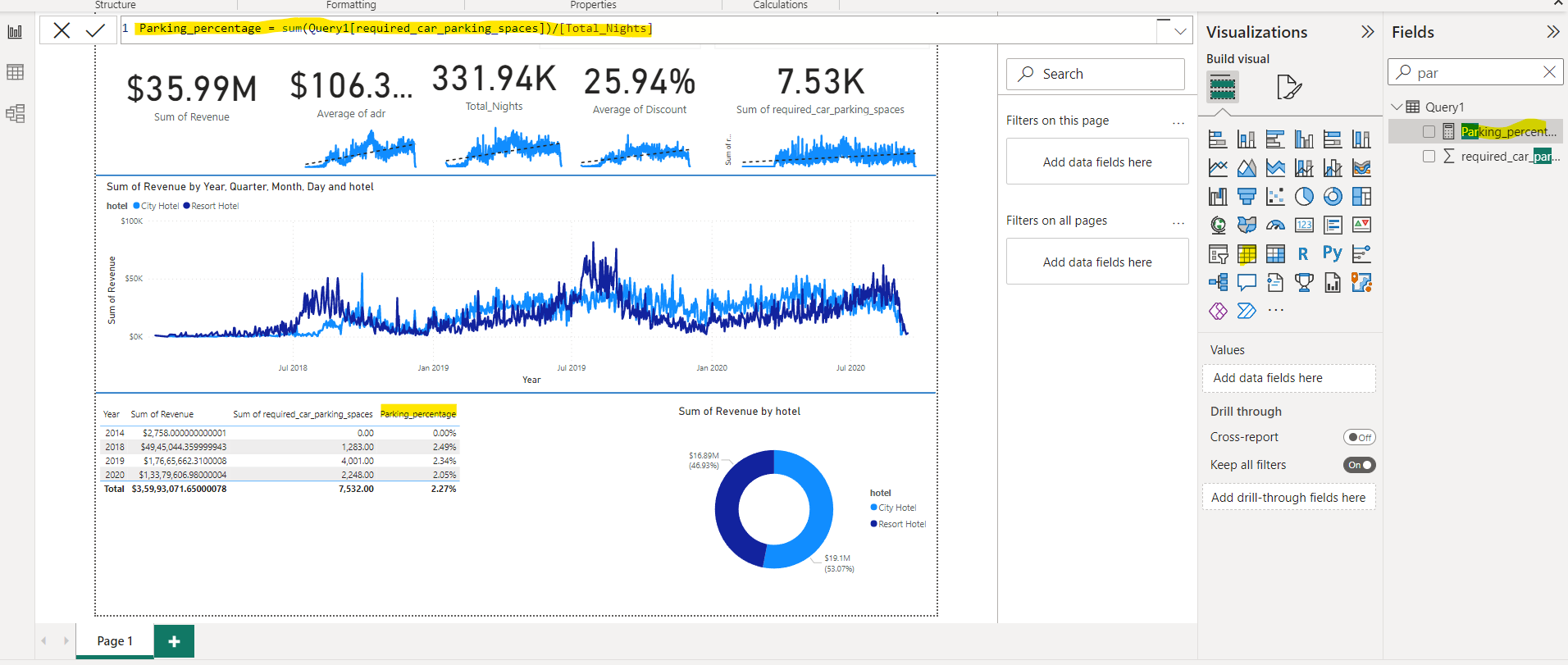
Increase page size-



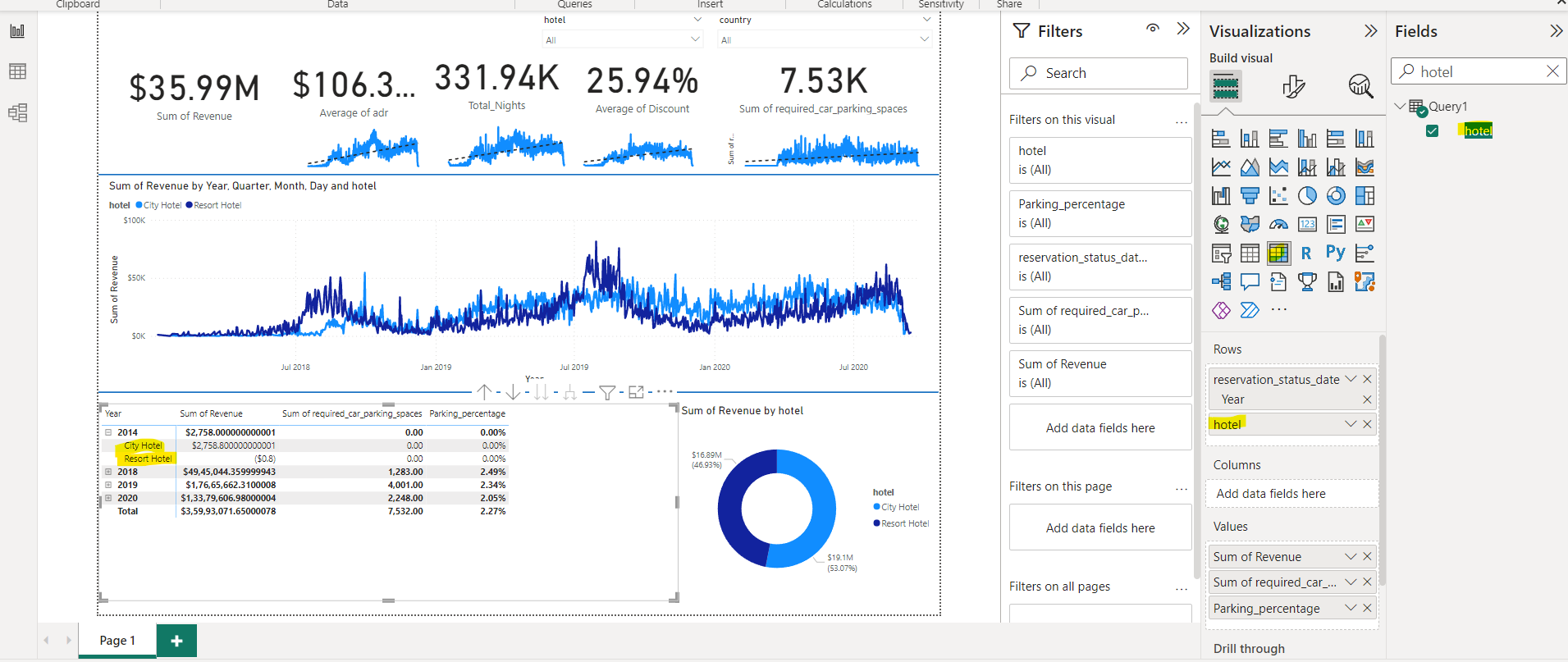
Create a donut chart of revenue by hotel type



Create a table and a new measure Parking\_percentage



Segregate hotel type along row in table-



Add reservation status date filter

