

Homework 2

Computing for Business Analytics

The database has customer information, insurer financial information, and a link between claims of a customer and which insurer they are working with.

1. Use the video here: <https://www.youtube.com/watch?v=g1r0000IQf0> to upload the data of three tables provided in Canvas into SQL Server. Create the variables as the column headings that are provided in the .csv files. When creating the variable types, which is done very quickly in the video, have all columns as nvarchar(50) from the drop down menu except numeric values. Numeric values have the Data Type as numeric(18,0). Notice, many of these columns have '[']' around the column title. You will need to use these brackets when you do your SQL queries. Name your tables Customer, Financial, and Insurance.
2. Select all from each of the three tables when you have finished to assure the data has been imported correctly.
3. Obtain all information from the Insurance table where the years with insurer is greater than 15.
4. Obtain all information from the Insurance table where the number of claims is greater than 4.
5. How many individuals have more than 15 years with their insurance agent? How many have more than 4 claims?
6. Give me a list of all CustomerIDs of individuals insured with InsurerID 3 based on the Insurance table.
7. Which InsurerID is linked to the highest revenue? Which InsurerID is linked to the lowest revenue?
8. Use the Insurance table to find the sum of the total claim amount for each InsurerID.
9. Use the Insurance table to find the sum of the number of claims for each InsurerID.
10. Now repeat 8 and 9, but do this for each coverage type, rather than for each InsurerID.
11. Provide the number of years insured, customerID, first name, last name and city of the individuals who have been insured with their insurer for more than 15 years.
12. Provide the same information shown above in question 11 for customers with more than 4 claims (rather than number of years insured).
13. Provide a list of all customer information including all information in the Insurance table for those customers who have a first name beginning with T or R.