

Assignment 3

Due: October 14, 2019 (Submit through Canvas by 11:59am)

Penalty for late submission:

- 5 points for submission by 5:59 pm
- 15 points for submission by 11:59 pm
- 100 points for any submission after that. No exceptions

Submissions will be officially closed on Canvas at 11:59am. If you plan on submitting after this time, please email your solution to me and copy Ashutosh on the email.

Please submit SQL statements in a file named <your_uteid_HW3.sql> and results in a PDF document named <your_uteid_HW3.pdf> Whenever there are more than 10 records in the result, please copy and paste the first 10 records.

The following questions are based on the FactCoffee, ProdCoffee, AreaCode, and States tables that we imported to SQLDeveloper in the class.

1. Which are the top 5 area codes with declining profits in terms of percentage and how much did the profits decline for these 5 area codes? This comparison should be done on an annual basis including all the products.
2. Which 5 states have the highest marketing expenses as a percentage of sales? This comparison should be done on an annual basis including all the products.
3. In each of these 5 states, find the top 10 area codes in terms of the spend on marketing expenses relative to others?
4. In each market, which products have the greatest increase in profits? This comparison should be done on an annual basis including all the products.
5. All the budgeted numbers are expected targets for 2012 and 2013. Identify the top 5 states for the year 2012 that have higher actual numbers relative to budgeted numbers for profits and sales.