**OMIS 673 MODULE 11 HOMEWORK**

* You are supposed to submit a PDF file for Visual 1 in addition to this Word file with your answers for Visual 2 and Visual 3.
* Make sure all the charts include your name in the title.

**Visual 1** (20 points):

1. Build your own report by following Video 8.1, 8.2, and 8.3.
2. Save this report file, print it to PDF, and submit the pdf file to blackboard.

**Visual 2** (15 points):

1. Under “Customer Order Analysis” Page of the above report, click the “Internet Sale” in the button bar.
   1. Please insert a screen capture of your current donut (i.e. pie) chart.

Chart

Description automatically generated

* 1. Then maximize your donut (i.e. pie) chart. Examine the number of orders by customer age group. Do you see a generational difference? Do we expect this difference to continue over time, or do we expect the difference to eventually get smaller?

**ANS.** When comparing the number of orders placed by different age groups, there is a generational difference. As can be seen, ordering activity is significantly higher among those over 30 than among those between the ages of 29 and under. As it is simpler for the elderly to place orders than to purchase items from retailers, we can anticipate that this distinction will persist over time**.**

1. Move on to the next page, “Delivery Analysis”
   1. Select “London” for your city. Please insert a screen shot of your current page.

Chart

Description automatically generated

* 1. Examine your bubble chart for a possible relationship between the number of orders and the days to delivery for London. Then look at your dual-axis bar chart in the same page.

**Ans** The number of days required to deliver the orders rises as the number of orders rises when London is chosen from the drop-down list. The dual-axis bar chart also reveals that while the most orders were placed in May, the largest profit was made in December.

* 1. Now select “Paris” for your city. Please insert a screenshot of your current page.

Chart

Description automatically generated

* 1. Compare the two screen shots. Is there a relationship between the number of orders and the days to delivery? Which city would have a more effective process for business? Why do you think so?

**Ans** According to the figures we acquired from the city of Paris, even a little rise in the number of orders results in a significant increase in the number of days it takes to deliver the goods. Additionally, we can see from the dual-axis bar chart that the profits are lower than those made in London. We may conclude that London would have a more efficient business process based on the consistency in both profit and order ratio when we take into account the profit and order volume for both London and Paris from the aforementioned visual data that is attached. We could see an increase in the earnings made as the number of orders climbed.

**Visual 3** (15 points):

1. Open VA1-Practice 4.1 report from the Courses/YVA185/Basics/Practices (HR) folder.
2. Create a geo coordinate map to the left of the bar chart.
3. Modify the following options for the geo map:

|  |  |
| --- | --- |
| Object | Geo Coordinate |
| Object Custom Title | Average Profit by Country by **Your Name** |
| Legend: Visibility | Off |

1. Assign the following data items to the specified roles:

|  |  |
| --- | --- |
| Geography | Employee Country |
| Color | Average Profit |
| Data tip values | Number of Employees |

1. Insert a screenshot of the current page here.

Chart

Description automatically generated

1. If you want, maximize the geo map. Answer the following questions:
   1. Which country has the highest average profit? The lowest?

**Ans.** DEhas the highest average profit with $101,306.73. DK has the lowest average profit with $30,493.46

* 1. Which country has the highest number of employees? The lowest?

**Ans** us has the highest number of employees with 123 members and DK has the lowest number of employees with 37 members.