Lab: 2

###### Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Roll No. \_\_\_\_\_\_\_\_\_\_\_\_\_ Group No.\_\_\_\_\_\_\_\_\_\_\_\_

###### Date of Performance \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Faculty’s Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Laboratory Objective:** To implement advance functions on dataset in excel

**Learning Outcome:** Familiarity with the use of advance functions in Excel

Q1: Consider the below credit payments table and create the following charts:

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Cost | Credit Period | Payment |
| Fridge | 200 | 8 | 25 |
| DVD Player | 150 | 12 | 12.5 |
| Washing Machine | 300 | 12 | 25 |
| Dish Washer | 250 | 12 | 20.83333 |
| TV | 500 | 12 | 41.66667 |
| Car | 15000 | 36 | 416.6667 |

1. Bar chart
2. Column chart
3. Pie chart
4. 3d chart
5. Scatter chart
6. Radar chart
7. Area chart
8. Stock chart

Q2: Apply the cleaning functions on the above dataset:

a) Logic Functions

b) Remove Duplicates Values

C) Transpose

d) Remove extra spaces

Lab: 2

###### Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Roll No. \_\_\_\_\_\_\_\_\_\_\_\_\_ Group No.\_\_\_\_\_\_\_\_\_\_\_\_

###### Date of Performance \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Faculty’s Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Laboratory Objective:** Generation of pivot tables on dataset in Excel

**Learning Outcome:** Familiarity with the pivot table in Excel

**EXERCISE 1**

\*You have a list of repeating group names.

\*Using a pivot table, count how many times each group name appears in the list.

\*Keep pivot table in this tab.

Notice that this pivot table is a list comprised of each group name only occurring once.

Then, within the pivot table, put the list in decreasing order based on the number of times the name appears in the list

**EXERCISE 2**

There are preset 3 segments that all groups are put into:

Big Medium Tiny

Using a pivot table, create a table displaying Revenue for each segment.

Keep pivot table in this tab.

Large $ amounts (over $100 or so) are typically shown with zero decimals.

**Exercise 3**

Make a pivot table showing each segments revenue and expenses. Make sure to use both row headers and column headers. Have "Sum of Member Months" be the left most column.

Create a column adjacent to the pivot table that represents the Revenue and Expenses PMPM's. PMPM's are typically represented with dollar signs ($) and to two decimal places.

Keep the table in this tab.

**Exercise 4**

Create a column entitled "Net Income/Loss." This column will represent Revenue minus Expenses.

Make a pivot table representing Each Segment and Subdivision by Revenue, Expenses, and Net Income. Use row headers and column headers.

Keep pivot table in this tab.

**Exercise 5**

Make a pivot table of Expenses by Service Month and Paid Month for just the "Big" group segment.

Keep pivot table in this tab.

The result is referred to as a Claims Lag Triangle.

**Exercise 6**

Make a pivot table for the Group Segment "Big" and show Revenue and Expense by Subdivision.

Copy and paste the entire pivot table and change the Segment to "Medium."

Change the order of each of the rows. Meaning if it was the top row label, switch it with the bottom row label.

Now, switch the Revenue column with the Expenses column.

Keep pivot tables in this tab.

To go to Exercise 7, unhide the tab entitled "Ex7."