"MIS Course Practical Task Requirements"

➢ **Task Requirements:**
   ▪ Find and prepare your own Dataset file [Excel or CSV] and the Dataset should: **[3 grades]**
      o Contain two tables
      o Contain at least five columns
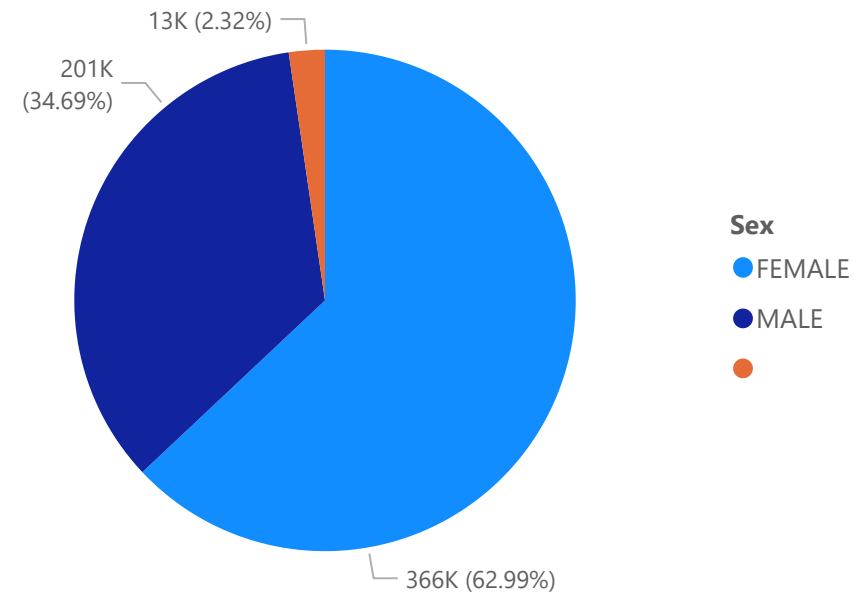   o Have numeric columns
      o Have a **Date** column

   ▪ Then Apply the following changes to your dataset using Power BI Tool:
   1. Combine the two tables with each other. **[2 grades]**
   2. Change the Data Type of any column that has a Decimal value to be an Integer or if your dataset doesn't have any decimal column then change the type of any text column (UPPER, LOWER…). **[1 grade]**
   3. Divide the "**Date**" column into three columns then rename the columns to "**Year**"," **month**", and **"Day**". **[1 grade]**
   4. Add a new column by yourself and rename it to "**anything you prefer**" which will contain a calculation of another numeric column (s) by applying a meaningful operation [multiplication, division…]. **[1 grade]**
   5. Add a new column by yourself and rename it to "**anything you prefer**" which will merge two columns with each other. **[1 grade]**
   6. Create a **Report** consisting of two pages which should contain the following charts:
      o **Bar Chart** between any two reasonable fields [on the first page] **[1 grade]**
      o **Pie Chart** between any two reasonable fields [on the first page] **[1 grade]**
      o **Line Chart** between any two reasonable fields [on the second page] **[1 grade]**
   7. Rename your Report pages to "**Task Page 1**" & "**Task Page 2**". **[1 grade]**
   8. Add a title for your report "**Practical Task Report**" **[1 grade]**
   9. Apply a **Report-level filter** on any field (using Basic Filtering) **[1 grade]**
   10. Apply a slicer on the second page **[1 grade]**
   11. Create a measure **NOT** a quick measure using the SUM function that calculates the total of any numeric column with a meaningful measure name and uses it in any new Chart. **[3 grades].**
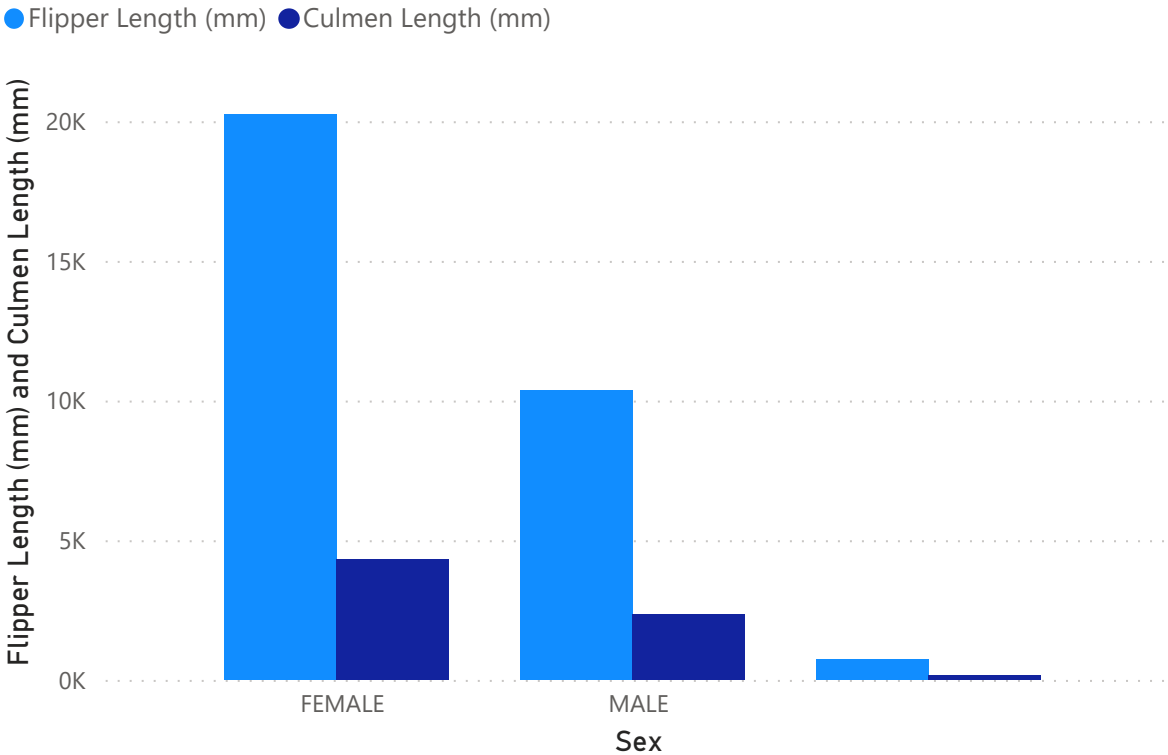   12. Save your final report on your machine (PDF) **[1 grade].**

Discussion template

(You should bring this template with you on discussion time and fill it with the required information)

Student Name	Student ID	Grade
ابراهيم محمد السادات محمد	201900010	
محمد سعيد حسنين عباس	201900677	
مينا هانى جرجس	201900884	
مينا ميلاد جرجس حنين	201900883	
محمد حسام السيد السيد	201900651	

Body Mass (g) by Sex

13K (2.32%)

201K (34.69%)

366K (62.99%)

Sex

- FEMALE
- MALE

Flipper Length (mm) and Culmen Length (mm) by Sex

- Flipper Length (mm)
- Culmen Length (mm)

Culmen Length (mm) and Flipper Length (mm) by Sex

● Culmen Length (mm) ● Flipper Length (mm)

Region, studyName, YearDate Egg.3

⌄ ▣ Anvers
  ⌄ ■ PAL0708
      ■ 2007
  ⌄ ☐ PAL0809
      ☐ 2008
  ⌄ ▣ PAL0910
      ■ 2009