

1. Use Dataset_1 to build a program using SAS or Python to calculate the %Excellent, %Good/Fair/Poor, and the net score per month for SurveyQuestion1 and SurveyQuestion2. ***Please describe your thought process, show programming code, and provide final output table.***
 - a. Output table should be in the below format:
 - i. Columns: SurveyQuestion, MonthYear (MMYY), %Excellent, %Good/Fair/Poor, Net Score.
 - b. **Background:** The table shows survey responses for two questions.
 - i. The %Excellent is the percentage of responses that gave a score of 5.
 - ii. The %Good/Fair/Poor is the percentage of responses that gave a 3/2/1.
 - iii. The Net Score is defined as $100 * (\%Excellent - \%Good/Fair/Poor)$ and should be expressed as a number with one decimal place, not as a percentage.
2. Use Dataset_2 to design a program using SQL/SAS to select one phone number per customer per the columns in the dataset. ***Please describe your thought process, show programming code, and provide final deliverable as if you were presenting to clients.***
 - a. Show code to determine whether the phone number is an appropriate length/format.
 - b. Show code that prioritizes PhoneNumber1 over PhoneNumber2 when PhoneNumber1 is available and clean but will settle for PhoneNumber2 if PhoneNumber1 is not available.
3. Use Dataset_3 to build a heat map using Power BI or other data visualization tools to show which zip codes have the highest number of responses. Zip codes included are either zip-5 or zip-9. ***Please describe your thought process and provide final deliverable as if you were presenting to clients.***