SAS Data sets for Q1: WORK.Risk_data

Q1. Checking the inter-correlation (Pearson) among the variables 'income', 'debt_ratio', 'high_risk_ind', 'utilization' and 'age'. Please send the result into a SAS table 'corr_info'. (Note you will ignore the missing values when calculating correlation coefficients)

Q2. Checking the inter-correlation (Pearson) among the variables 'income', 'debt_ratio', 'high_risk_ind', 'utilization' and 'age'. Please send the top one correlated variable (for each variable above) into a SAS table 'corr_best'. (Note you will ignore the missing values when calculating correlation coefficients)

Q3. For the variable 'utilization', calculate the mean, median, STD and 97% confidence interval of mean value.

Q4. For the variable 'income', create a new character type variable 'incomegrp', which contains two levels a)'high_income' if 'income'>80000 b)others if not a). Then you do the t-test for the variable 'utilization' based on the newly created class variable 'incomegrp'. Draw the conclusion from the SAS output.

Q5. For the variable 'age', create a new character type variable 'agegrp', which contains 4 levels a)'0_30' if 'age'<=30 b)31-50 if 31<='age'<=50 c) 51-65 if 51<='age'<=65 d)65p if 'age'>65. Then you perform the ANOVA F-test with DUNCAN mean test for the variable 'utilization' based on the newly created class variable 'agegrp'. Draw the conclusion from the SAS output.