```python
import pandas as pd
import numpy as np
import seaborn as sb

data3 = pd.read_csv(r"C:\Users\Hp\oneminuteman\coursework\Scientific-Computing\kaggle_datasets_assignment\Stude

def remove_outliers_iqr(data3, column):
    q1 = data3[column].quantile(0.25)
    q3 = data3[column].quantile(0.75)
    IQR = q3 - q1
    lower_bound = q1 - 1.5 * IQR
    upper_bound = q3 + 1.5 * IQR
    return data3[(data3[column] >= lower_bound) & (data3[column] <= upper_bound)]

for col in["Midterm_Score", "Projects_Score", "Total_Score"]:
    data3 = remove_outliers_iqr(data3, col)

    print("Outliers removed successfully")

print(data3.describe())#summary stats
```

```
Outliers removed successfully
Outliers removed successfully
Outliers removed successfully
               Age  Attendance (%)  Midterm_Score  Final_Score  \
count  5000.000000     4484.000000    5000.000000  5000.000000
mean     21.048400       75.431409      70.326844    69.640788
std       1.989786       14.372446      17.213209    17.238744
min      18.000000       50.010000      40.000000    40.000000
25%      19.000000       63.265000      55.457500    54.667500
50%      21.000000       75.725000      70.510000    69.735000
75%      23.000000       87.472500      84.970000    84.500000
max      24.000000      100.000000      99.980000    99.980000

       Assignments_Avg  Quizzes_Avg  Participation_Score  Projects_Score  \
count      4483.000000  5000.000000          5000.000000     5000.000000
mean         74.798673    74.910728             4.980024       74.924860
std          14.411799    14.504281             2.890136       14.423415
min          50.000000    50.030000             0.000000       50.010000
25%          62.090000    62.490000             2.440000       62.320000
50%          74.810000    74.695000             4.955000       74.980000
75%          86.970000    87.630000             7.500000       87.367500
max          99.980000    99.960000            10.000000      100.000000

       Total_Score  Study_Hours_per_Week  Stress_Level (1-10)  \
count  5000.000000           5000.000000          5000.00000
mean     75.121804             17.658860             5.48080
std      14.399941              7.275864             2.86155
min      50.020000              5.000000             1.00000
25%      62.835000             11.400000             3.00000
50%      75.395000             17.500000             5.00000
75%      87.652500             24.100000             8.00000
max      99.990000             30.000000            10.00000

       Sleep_Hours_per_Night
count            5000.000000
mean                6.488140
std                 1.452283
min                 4.000000
25%                 5.200000
50%                 6.500000
75%                 7.700000
max                 9.000000
```