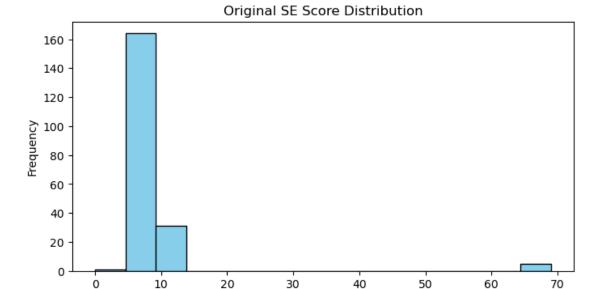
PR2-DataWrangling

February 6, 2025

```
[25]: import pandas as pd
      import numpy as np
      import matplotlib.pyplot as plt
 [2]: df = pd.read_csv('dataset.csv')
 [4]: df.head()
 [4]:
         Roll_No.
                     Name FE Score SE Score Placement Department
                1 Sukesh
                                 8.0
                                                      No
                                           8.0
                                                                  ΙT
      1
                2 Sukesh
                                 9.0
                                           6.0
                                                      No
                                                                  ΙT
                3 Haresh
                                 7.0
      2
                                           9.0
                                                                  CS
                                                     Yes
                4 Sukesh
      3
                                 8.0
                                           7.0
                                                     Yes
                                                                  IT
      4
                5 Haresh
                               10.0
                                           0.0
                                                      No
                                                              AI&DS
[10]: df.isna().sum()
[10]: Roll_No.
                     0
      Name
                     0
      FE Score
                    10
      SE Score
                     9
      Placement
                     0
      Department
                     0
      dtype: int64
[19]: df['FE Score'] = df["FE Score"].fillna(df["FE Score"].mean())
[13]: df['FE Score'].mean()
[13]: 7.842931937172775
[17]: df['SE Score']=df['SE Score'].fillna(df['SE Score'].median())
[20]: df.isna().sum()
[20]: Roll No.
                    0
      Name
                    0
```

```
FE Score 0
SE Score 0
Placement 0
Department 0
dtype: int64
```

```
[26]: plt.figure(figsize=(8, 4))
    plt.hist(df['SE Score'].dropna(), bins=15, color='skyblue', edgecolor='black')
    plt.title("Original SE Score Distribution")
    plt.xlabel("SE Score")
    plt.ylabel("Frequency")
    plt.show()
```



SE Score



[]: