George Samu

SDEV 300

Lab five

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test cases | Input | Expected results | Actual results | Pass |
| 1 | \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Welcome to the Python Data Analysis App\*\*\*\*\*\*\*\*\*\*  Select the file you want to analyze:  1. Population Data **1**  2. Housing Data  3. Exit the Program  You have entered Population Data.  Select the Column you want to analyze:  a. Pop Apr 1  b. Pop Jul 1  c. Change Pop  d. Exit Column  **a** | You've chosen a  count: Pop Apr 1 557  mean: Pop Apr 1 56557.314183  minimum: Pop Apr 1 13519  maximum: Pop Apr 1 3726157  Standard deviation: Pop Apr 1 158127.105454  The Histogram of this column is now displayed. | You've chosen a  count: Pop Apr 1 557  dtype: int64  mean: Pop Apr 1 56557.314183  dtype: float64  minimum: Pop Apr 1 13519  dtype: int64  maximum: Pop Apr 1 3726157  dtype: int64  Standard deviation: Pop Apr 1 158127.105454  dtype: float64  The Histogram of this column is now displayed. | Yes |
| 2 | \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Welcome to the Python Data Analysis App\*\*\*\*\*\*\*\*\*\*  Select the file you want to analyze:  1. Population Data **1**  2. Housing Data  3. Exit the Program  You have entered Population Data.  Select the Column you want to analyze:  a. Pop Apr 1  b. Pop Jul 1  c. Change Pop  d. Exit Column  **c** | you've chosen c  count: Change Pop 557  mean: Change Pop -798.829443  minimum: Change Pop -531004  maximum: Change Pop 22363  standard deviation: Change Pop 22711.35287  The Histogram of this column is now displayed. | you've chosen c  count: Change Pop 557  dtype: int64  mean: Change Pop -798.829443  dtype: float64  minimum: Change Pop -531004  dtype: int64  maximum: Change Pop 22363  dtype: int64  standard deviation: Change Pop 22711.35287  dtype: float64  The Histogram of this column is now displayed. | yes |
| 3 | \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Welcome to the Python Data Analysis App\*\*\*\*\*\*\*\*\*\*  Select the file you want to analyze:  1. Population Data  2. Housing Data  3. Exit the Program    **2**  Housing data  You have entered Housing Data.  Select the Column you want to analyze:  a. Age  b. Bedrooms  c. Built  d. Rooms  e. Utility  f. Exit Column    **a** | The age  count: AGE 10042  mean: AGE 47.219478  minimum: AGE -9  maximum: AGE 93  standard deviation: AGE 23.149799  The Histogram of this column is now displayed. | The age  count: AGE 10042  dtype: int64  mean: AGE 47.219478  dtype: float64  minimum: AGE -9  dtype: int64  maximum: AGE 93  dtype: int64  standard deviation: AGE 23.149799  dtype: float64  The Histogram of this column is now displayed. | Yes |

For test case 1 and 2 I thought the histogram will be spread out. However, it was concentrated. I was puzzled.

