

Test Case	Input	Expected Output	Actual Output	Pass?
1: run through data and exits	1, a, b, c, d, 2, a, b, c, d, e, h, 3	<p>You are in the Population Data menu.</p> <p>Select the Column you want to analyze:</p> <ul style="list-style-type: none"> a. Pop Apr 1 b. Pop Jul 1 c. Change Pop d. Exit Population Data <p>Analysis of column, Pop Apr 1:</p> <p>Count: 557</p> <p>Mean: 56557.31</p> <p>Standard Deviation: 158127.11</p> <p>Minimum: 13519</p> <p>Maximum: 3726157</p> <p>The Histogram ... (box pops up with Histogram)</p> <p>You are in the Population Data menu.</p> <p>...</p> <p>b</p> <p>Analysis of column, Pop Jul 1:</p> <p>Count: 557</p> <p>Mean: 55758.48</p> <p>Standard Deviation: 136086.53</p> <p>Minimum: 12619</p> <p>Maximum: 3195153</p> <p>The Histogram ... (box pops up with Histogram)</p> <p>You are in the Population Data menu.</p> <p>...</p> <p>c</p> <p>Analysis of column, Change Pop:</p> <p>Count: 557</p> <p>Mean: -798.83</p> <p>Standard Deviation: 22711.35</p> <p>Minimum: -531004</p> <p>Maximum: 22363</p> <p>The Histogram ... (box pops up with Histogram)</p> <p>You are in the Population Data menu.</p> <p>...</p> <p>d</p> <p>You selected to exit the Population Data menu.</p> <p>MAIN MENU:</p> <p>...</p> <p>2</p> <p>You are in the Housing Data menu.</p>	Same	yes

Select the Column you want to analyze:

- a. AGE
- b. BEDRMS
- c. BUILT
- d. ROOMS
- e. UTILITY
- f. NUNITS
- g. WEIGHT
- h. Exit Housing Data

a

Analysis of column, AGE:

Count: 10042

Mean: 47.22

Standard Deviation: 23.15

Minimum: -9

Maximum: 93

The Histogram ... (box pops up with Histogram)

You are in the Housing Data menu.

...

b

Analysis of column, BEDRMS:

Count: 10042

Mean: 2.71

Standard Deviation: 1.07

Minimum: 0

Maximum: 7

The Histogram ... (box pops up with Histogram)

You are in the Housing Data menu.

...

c

Analysis of column, BUILT:

Count: 10042

Mean: 1966.95

Standard Deviation: 26.31

Minimum: 1919

Maximum: 2012

The Histogram ... (box pops up with Histogram)

You are in the Housing Data menu.

...

d

Analysis of column, ROOMS:

Count: 10042

Mean: 5.72

		Standard Deviation: 1.88 Minimum: 1 Maximum: 14 The Histogram ... (box pops up with Histogram) You are in the Housing Data menu. ... e Analysis of column, UTILITY: Count: 10042 Mean: 189.59 Standard Deviation: 128.93 Minimum: 0.0 Maximum: 1107.58 The Histogram ... You are in the Housing Data menu. ... h You selected to exit the Housing Data menu. MAIN MENU: ... 3 *****Thanks for using the Data Analysis App. Good Day.*****		
2: invalid input	4s7, 1, a, d, 2, 4s7	4s7 Invalid Entry. Enter 1, 2, or 3: 1 You are in the Population Data menu. Select the Column you want to analyze: ... 4s7 Invalid Entry. Enter a, b, c, or d: a Analysis of column, Pop Apr 1: ... The Histogram of column, Pop Apr 1, is now displayed. Please exit the histogram window to continue. You are in the Population Data menu. ... d You selected to exit the Population Data menu. MAIN MENU:	Same	Yes

		...		
		2		
		You are in the Housing Data menu.		
		...		
		4s7		
		Invalid Entry.		
		Enter a, b, c, d, e, or f: a		