

## Building Test Cases

Test command:

```
SWStats
```

Reason:

```
No command-line arguments
```

Expected output:

```
cerr - Error: Unable to compute statistics over data set because  
insufficient arguments.
```

Test command:

```
SWStats 0 2 1 3
```

Reason:

```
Window size zero.
```

Expected output:

```
cerr - Unable to compute statistics over data set because window size  
is zero.
```

Test command:

```
SWStats -7 2 1 5 2
```

Reason:

Window size negative

Expected output:

```
cerr - Unable to compute statistics over data set because window size  
is negative.
```

Test command:

```
SWStats 5 1 2 3 4
```

Reason:

Data set is less than window size

Expected output:

```
cerr - Unable to compute statistics over data set because data set is  
smaller than window size.
```

Test command:

```
SWStats 1 1 2 3 4 5
```

Reason:

Could be tricky, with windows size of 1.

Expected output:

Window Size: 1

Sample	Value	SWMinimum	SWAverage	SWMaximum
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5

Test command:

```
SWStats 3 1e37 -1e37 612 232 2341
```

Reason:

FLT\_MAX and -FLT\_MAX.

Expected output: