

## Pylint Run

```
(.venv) PS C:\Users\Xpert PC\Documents\Test\A01197363_A4.2\P1> pylint compute_statistics.py
●
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Your code has been rated at 10.00/10 (previous run: 9.41/10, +0.59)
○ (.venv) PS C:\Users\Xpert PC\Documents\Test\A01197363_A4.2\P1>
```

## TC1 Run

```
(.venv) PS C:\Users\Xpert PC\Documents\Test\A01197363_A4.2\P1> python compute_statistics.py sources/TC1.txt
● DESCRIPTIVE STATISTICS RESULTS
Total valid numbers: 400
Mean: 242.32
Median: 239.5
Mode: [393.0, 170.0]
Variance: 21099.917599999997
Standard Deviation: 145.25810683056557
Execution Time (seconds): 0.0
```

## TC2 Run

```
(.venv) PS C:\Users\Xpert PC\Documents\Test\A01197363_A4.2\P1> python compute_statistics.py sources/TC2.txt
DESCRIPTIVE STATISTICS RESULTS
Total valid numbers: 1977
Mean: 250.7840161861406
Median: 247.0
Mode: [230.0]
Variance: 20785.369132479238
Standard Deviation: 144.17131868884059
Execution Time (seconds): 0.0010001659393310547
```

## TC3 Run

```
(.venv) PS C:\Users\Xpert PC\Documents\Test\A01197363_A4.2\P1> python compute_statistics.py sources/TC3.txt
● DESCRIPTIVE STATISTICS RESULTS
Total valid numbers: 12624
Mean: 249.77621989860583
Median: 249.0
Mode: [94.0]
Variance: 21117.27747316329
Standard Deviation: 145.31784980917962
Execution Time (seconds): 0.007000923156738281
```

## TC4 Run

```
(.venv) PS C:\Users\Xpert PC\Documents\Test\A01197363_A4.2\P1> python compute_statistics.py sources/TC4.txt
DESCRIPTIVE STATISTICS RESULTS
Total valid numbers: 12624
Mean: 149.00267347908746
Median: 147.75
Mode: [123.75]
Variance: 17007.920843018837
Standard Deviation: 130.41441961308894
Execution Time (seconds): 0.008000612258911133
```

## TC5 Run

```
(.venv) PS C:\Users\Xpert PC\Documents\Test\A01197363_A4.2\P1> python compute_statistics.py sources/TC5.txt
● DESCRIPTIVE STATISTICS RESULTS
Total valid numbers: 307
Mean: 241.49511400651465
Median: 241.0
Mode: [393.0, 19.0, 368.0, 290.0, 56.0, 11.0, 76.0, 215.0, 64.0, 375.0, 466.0, 277.0, 211.0, 46.0, 278.0, 170.0, 166.0, 96.0, 268.0]
Variance: 21160.021963097748
Standard Deviation: 145.46484786056646
Execution Time (seconds): 0.0

ERRORS FOUND:
Invalid data at line 5: 'ABA'
Invalid data at line 155: '23,45'
Invalid data at line 232: '11;54'
Invalid data at line 239: '11'
```

## TC6 Run

```
● (.venv) PS C:\Users\Xpert PC\Documents\Test\A01197363_A4.2\P1> python compute_statistics.py sources/TC6.txt
DESCRIPTIVE STATISTICS RESULTS
Total valid numbers: 3000
Mean: 1.8790659927977473e+20
Median: 1.88008049965543e+20
Mode: No mode
Variance: 1.1530904699530647e+40
Standard Deviation: 1.0738205017381e+20
Execution Time (seconds): 0.001961946487426758
```

## TC7 Run

```
● (.venv) PS C:\Users\Xpert PC\Documents\Test\A01197363_A4.2\P1> python compute_statistics.py sources/TC7.txt
DESCRIPTIVE STATISTICS RESULTS
Total valid numbers: 12767
Mean: 2.474673954997149e+20
Median: 2.4664097307429e+20
Mode: No mode
Variance: 2.0910793147136484e+40
Standard Deviation: 1.4460564700984703e+20
Execution Time (seconds): 0.009002685546875

ERRORS FOUND:
Invalid data at line 183: 'ABBA'
Invalid data at line 229: 'ERROR'
```

