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/Users/bps/PycharmProjects/hypothesis_tesing/venv/bin/python /Users/bps/
PycharmProjects/hypothesis_tesing/main.py


Welcome to the Hypothesis Testing calculator made by ALIAS GEORGE

Select the Calculator (type the no corresponding eg 1 for one mean Large sample)

1. One Mean Large sample
2. One Mean Small sample
3. Two Mean Large sample
4. Two Mean Small sample with both normal and σ1 = σ1
5. Matched Pair t-Test
6. One Variance Test
7. Two Variance Test
8. One Proportion Test
9. Multi Proportion Test
10. Two Proportion Difference Test
11. R and C Analysis Test
12. Goodness Fit Test
9


9. Multi Proportion Test
```

No of proportions: 3
Level of significance: 0.05

No of success of p1: 41
No of failures of p1: 79

No of success of p2: 27
No of failures of p2: 53

No of success of p3: 22
No of failures of p3: 78

Testing Alternative Hypothesis p1!=p2!=p3.....!=pk against Null Hypothesis p1=p2=p3
.....=pk
The null must be rejected if $\chi^2 > 5.9915$

Calculations

χ^2 = 4.575396825396825

Decision

Failure to reject Null p1=p2=p3.....=pk

Process finished with exit code 0