

Thumbtack Data Challenge
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thumbtack

Thumbtack Split Test

Appendix A: Results of ThumbTackSplitTest.py

Starting ThumbTack Split Test Analysis on: Tue Oct 29 12:58:34 2013

ThumbTackSplitTest Version: 2013.10.29 demo

NumPy Version: 1.7.1

SciPy Version: 0.12.0

Results of the A/B Split Test

Data:

```
[[ 32. 595.]  
 [ 30. 599.]  
 [ 18. 622.]  
 [ 53. 606.]  
 [ 38. 578.]]
```

Variation #1

Observed: [32. 30.]

Expected: [31. 31.]

Trials: [595. 599.]

ChiSq = 0.0645161290323

p-value = 0.79949536187

This test is not statistically significant

Variation #2

Observed: [32. 18.]

Expected: [25. 25.]

Trials: [595. 622.]

ChiSq = 3.92

p-value = 0.0477148802374

This test is statistically significant at the 95% confidence level

Variation #3

Observed: [32. 53.]

Expected: [42.5 42.5]

Trials: [595. 606.]

ChiSq = 5.18823529412

p-value = 0.0227402961153

This test is statistically significant at the 95% confidence level

Variation #4

Observed: [32. 38.]

Expected: [35. 35.]

Trials: [595. 578.]

ChiSq = 0.514285714286

p-value = 0.47328946538

This test is not statistically significant