Testing Mock Jury

Wednesday, January 14, 2015

## Comparing the Observed Mock Jury Data

## Looking at the Data

|  |  |  |
| --- | --- | --- |
|  | Attr | Years |
| 1 | Unattractive | 1 |
| 2 | Unattractive | 4 |
| 3 | Unattractive | 3 |
| 4 | Unattractive | 2 |
| 5 | Unattractive | 8 |
| 6 | Unattractive | 8 |
| ... | ... | ... |
| 70 | Average | 3 |
| 71 | Average | 2 |
| 72 | Average | 7 |
| 73 | Average | 6 |
| 74 | Average | 12 |
| 75 | Average | 8 |

## Permuting the Data

|  |  |  |  |
| --- | --- | --- | --- |
|  | Attr | Years | perm\_Attr |
| 1 | Unattractive | 1 | Average |
| 2 | Unattractive | 4 | Unattractive |
| 3 | Unattractive | 3 | Unattractive |
| 4 | Unattractive | 2 | Average |
| 5 | Unattractive | 8 | Unattractive |
| 6 | Unattractive | 8 | Average |
| ... | ... | ... | ... |
| 70 | Average | 3 | Unattractive |
| 71 | Average | 2 | Average |
| 72 | Average | 7 | Average |
| 73 | Average | 6 | Average |
| 74 | Average | 12 | Unattractive |
| 75 | Average | 8 | Unattractive |

## Comparing Averages

In the observed data, the unattractive women are given sentences that are 1.84 years longer than the unattractive women.

In the permuted data, the difference is only 0.08 years.

## Null Distribution of Sentence Lengths