

# 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

	Attr	Years	perm_Attr
75	Average	8	Unattractive

## Comparing Averages

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

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

## Null Distribution of Sentence Lengths