

STATS 205: Homework Assignment 4

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Solution to Problem 1

```
allergics = c(1651.0, 1112.0, 102.4, 100.0, 67.6, 65.9, 64.7, 39.6, 31.0)
nonallergics = c(48.1, 48.0, 45.5, 41.7, 35.4, 34.3, 32.4, 29.1, 27.3, 18.9, 6.6, 5.2, 4.7)
allergics; nonallergics
```

```
## [1] 1651.0 1112.0 102.4 100.0 67.6 65.9 64.7 39.6 31.0
```

```
## [1] 48.1 48.0 45.5 41.7 35.4 34.3 32.4 29.1 27.3 18.9 6.6 5.2 4.7
```

Assumption: The two samples are from independent populations.

Two data samples are independent if they come from distinct populations and the samples do not affect each other. – Mann-Whitney-Wilcoxon Test