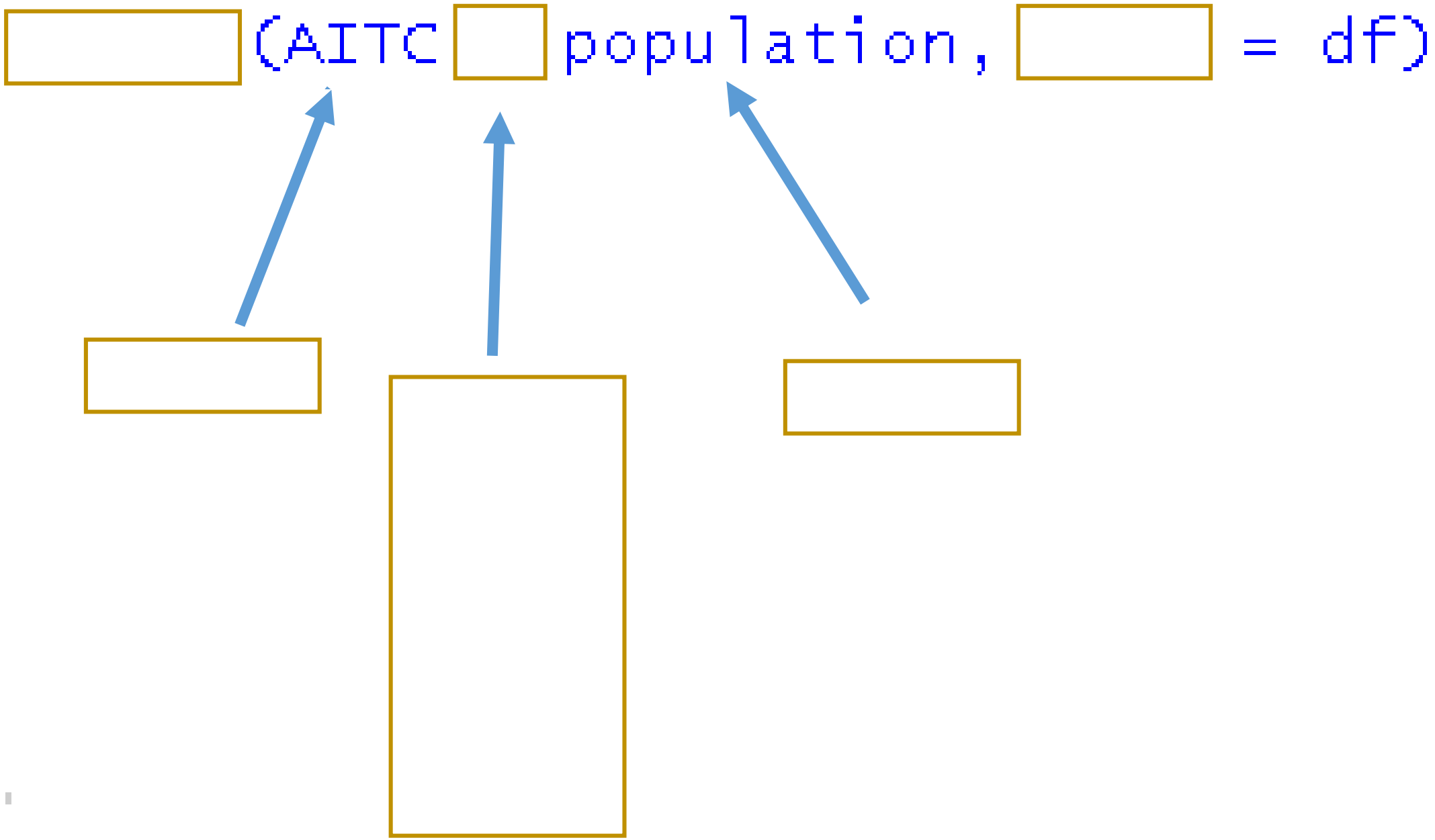
T-test in R: Chemical ecology of “AITC” in the invasive plant garlic mustard

t-test in R



t-test in R

```
t.test(AITC ~ population, data = df)
```

```
data:  AITC by population
t = -3.55   , df = 56.595, p-value =
alternative hypothesis: true difference in means is not
equal to 0
95 percent confidence interval:
 -14.55       -4.059
sample estimates:
   mean in group Detroit mean in group Pittsburgh
                    51.4                      60.7
```

t = “___ - _____” = “____ _____”.

R compares this to a “____ distribution”

df = _____ ___ _____

n = 30 for Det, n = 30 for PGH

2* 30 = 60

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df = degrees of freedom

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2* 30 = 60

Why df is this not 60?

-Normally df = ____ or ____

-model "_____" _____

-subtract more to correct for _____ data

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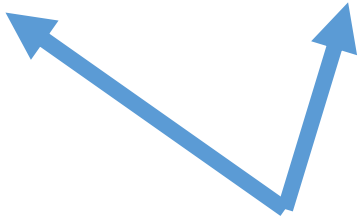

What is up with this confidence interval?