Question: What about this regression model: c ~ A?

- a. A should be statistically significant
- b. A should not be statistically significant

```
summary(lm(C~A))
```

Coefficient estimates:

$$C = 5B + 3 + \epsilon_B$$

= 5(-2A - 25 + \epsilon_A) + 3 + \epsilon_B
= -10A - 122 + 5\epsilon_A + \epsilon_B

Question: Does this coefficient and intercept estimate make sense?

- a. yes
- b. nope