The Adventures of Super Duck

\[ H_0 = \text{Super duck} = \text{Chicken} \]
\[ H_A = \text{Superduck} \neq \text{Chicken} \]

Example
\[ \alpha = 0.05 \]
1 - 0.95 = 0.05

Quack, I'm confident!!

Super Duck's Theme Song

Is it a bird?
Is it a plane?
No!
It's SUPER DUCK!

His sample size is so large.
His standard deviation is so small.

Bimodalville is 95% confident when he’s in charge.

He is not mean.
The degrees of freedom he creates are infinite.
His t distribution is a Z!

\[ z = \frac{\bar{x} - \mu}{\sigma/\sqrt{n}} \]

We can reject \( H_0 \)
Super duck is much greater than a chicken
Because duck-chicken is a lot.

Bimodalville, we're not normal

Friday afternoon lab after midterm