

# My Sad Markdown File

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*October 12, 2016*

```
library(car)
library(ggplot2)
library(stargazer)
```

## Model

Here's my model:

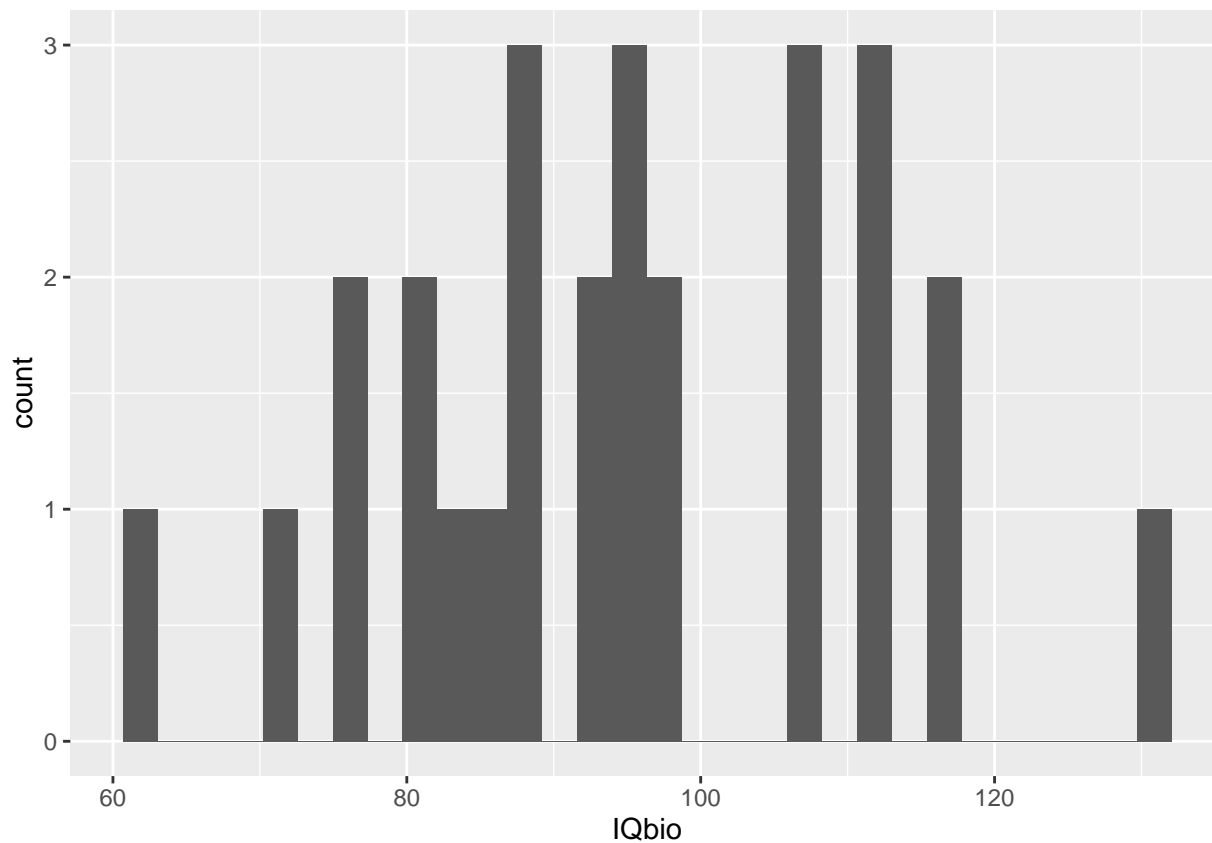
$$Y_i = \beta_0 + \beta_1 X_i + u_i$$

where

- $Y_i$  is the IQ of twin i placed in foster care
- $X_i$  is the IQ of twin i who stayed home
- $u_i$  is the error term

I would like to examine this relationship among middle class families.

```
# What does the distribution of my independent variable look like?
qplot(IQbio, data = Burt)
```



```
# Subsetting by class
burt_middle <- Burt[Burt$class == "medium", ]

# Now let's run the regression
fit <- lm(IQfoster ~ IQbio, data = burt_middle)

summary(fit)
```

```
##
## Call:
## lm(formula = IQfoster ~ IQbio, data = burt_middle)
##
## Residuals:
##      8      9     10     11     12     13
##  0.06292 -1.75493 -11.43526  2.15581 10.08705  0.88440
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  27.9202    21.4471   1.302   0.263
## IQbio         0.7045     0.2388   2.950   0.042 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 7.763 on 4 degrees of freedom
## Multiple R-squared:  0.6851, Adjusted R-squared:  0.6064
## F-statistic: 8.704 on 1 and 4 DF, p-value: 0.04196
```

## Pretty output with stargazer!

You can use the stargazer package to print out pretty looking tables.

```
stargazer(fit, title = "Appropriate table title here",
  star.cutoffs = c(0.05, 0.01, 0.001),
  header = FALSE,
  table.placement = "!h")
```

Table 1: Appropriate table title here	
	<i>Dependent variable:</i>
	IQfoster
IQbio	0.704* (0.239)
Constant	27.920 (21.447)
Observations	6
R <sup>2</sup>	0.685
Adjusted R <sup>2</sup>	0.606
Residual Std. Error	7.763 (df = 4)
F Statistic	8.704* (df = 1; 4)
Note:	*p<0.05; **p<0.01; ***p<0.001