Report fish

18 February 2019

Introduction

Here, we analyze the relationship between length and weight of fish in French Polynesia. bla bla bla bla

Methods

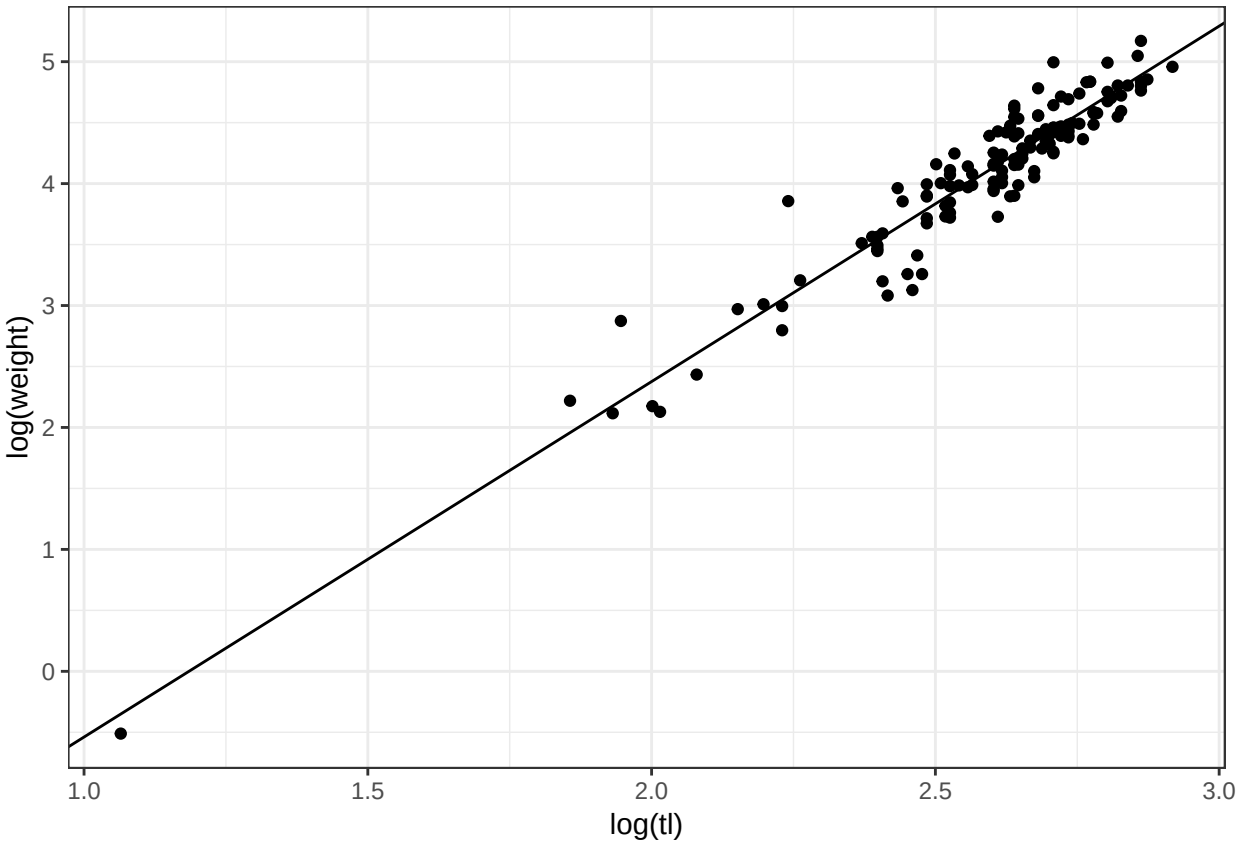
We killed a lot of fish by using spearguns. We then measured and weighed them.

Results

```
# linear regression
lm <- lm(log(weight) ~ log(tl), data = data)
intercept <- lm$coefficients[[1]]
slope <- lm$coefficients[[2]]
lm_summary <- summary(lm)
table <- lm_summary$coefficients[,1:2]
rownames(table) <- c("intercept", "slope")
colnames(table) <- c("mean", "se")
knitr::kable(table)
```

	mean	se
intercept	-3.454500	0.1940551
slope	2.915367	0.0746068

```
library(ggplot2)
plot <-
ggplot(data)+
  geom_point(aes(log(tl), log(weight)))+
  geom_abline(slope = slope, intercept = intercept)+
  theme_bw()
plot
```


log(weight)
log(tl)
5
4
3
2
1
0
1.0
1.5
2.0
2.5
3.0