Untitled

Gage Clawson

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```r
lob_size <- read_csv("lobster_size_abundance.csv")
```

```
## Parsed with column specification:
## cols(
##   YEAR = col_integer(),
##   MONTH = col_integer(),
##   DATE = col_character(),
##   SITE = col_character(),
##   SBC_LTER_TRANSECT = col_integer(),
##   LOBSTER_TRANSECT = col_character(),
##   SIZE = col_integer(),
##   COUNT = col_integer()
## )
```

```r
lob_size1 <- as.data.frame(lob_size)

lob_size2 <- expand.dft(lob_size1, freq = "COUNT")

lob_size3 <- mutate(lob_size2, DATE = as.Date(DATE, format = '%d-%b-%y'))

lob_size_2017 <- lob_size3 %>%
  filter(YEAR == 2017) %>%
  select(YEAR, SITE, SIZE)

lobster_aov <- aov(SIZE ~ SITE, data = lob_size_2017)

lobster_aov
```

```
## Call:
##    aov(formula = SIZE ~ SITE, data = lob_size_2017)
##
## Terms:
##                    SITE Residuals
## Sum of Squares   2354.51 285871.12
## Deg. of Freedom        4      1663
##
## Residual standard error: 13.1111
## Estimated effects may be unbalanced
```

```r
sum <- summary(lobster_aov)
```

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
SITE	4	2354.51	588.63	3.42	0.0085
Residuals	1663	285871.12	171.90		