Symbols and functions from today's session

Regression

```
#this function fits a linear regression with "y" as outcome,
#"x" as predictor, and takes the information on x and y from
#the data frame df

lm(formula = y ~ x,
    data = df)

#This is the same as
lm(df$y ~ df$x)
```

For example,

Fits a linear regression model with pitch as the outcome and context as a predictor.

In formulae:

$$pitch_i \sim Normal(\mu_i, \sigma)$$
$$\mu_i = \beta_0 + \beta_1 context$$