Functions, continued

Writing functions to reduce copy and paste

If you find yourself doing something over and over, you can probably write a function for it.

One is example is the regression tables we created yesterday.

Let's imagine we are fitting multiple similar models

```
1 logistic_model <- glm(glasses ~ eyesight_cat + sex_cat + :
2    data = nlsy, family = binomial()
3 )
4 poisson_model <- glm(nsibs ~ eyesight_cat + sex_cat + inco
5    data = nlsy, family = poisson()
6 )
7 logbinomial_model <- glm(glasses ~ eyesight_cat + sex_cat
8    data = nlsy, family = binomial(link = "log")
9 )</pre>
```

We have a model for a table we want to create

Even though this is already a function, we can *wrap* it in a new function!

New table function

We can refer generically to model and then put the model we want a table for as an argument

```
new table function <- function(model) {</pre>
     tbl regression(
       model,
 4 exponentiate = TRUE,
 5 label = list(
         sex cat ~ "Sex",
         eyesight cat ~ "Eyesight",
         income ~ "Income"
10
11 }
```

Exercise

- Copy and paste this function into your script
- Create each of the models and run
- Try to figure out how you could allow someone to pass the tidy_fun argument (from the regression exercises yesterday)