# YOUR TURN!

*1. split the* `ggplot2::diamonds` *data set by cut*

*2. run a regression on each list item* `lm(price ~ carat, data = .)`

*3. get the* `summary` *of the regression*

*4. how does the* `"r.squared"` *compare across models?*

*5. how do the model slopes (aka* **"coefficients"**) *compare?*

# SOLUTION

## *Compare R² values*

```
ggplot2::diamonds %>%
  split(.$cut) %>%
  map(~ lm(price ~ carat, data = .)) %>%
  map(summary) %>%
  map_dbl("r.squared"))
     Fair      Good Very Good   Premium     Ideal
0.7383940 0.8509539 0.8581622 0.8556336 0.8670887
```