

# 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 $R^2$ 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