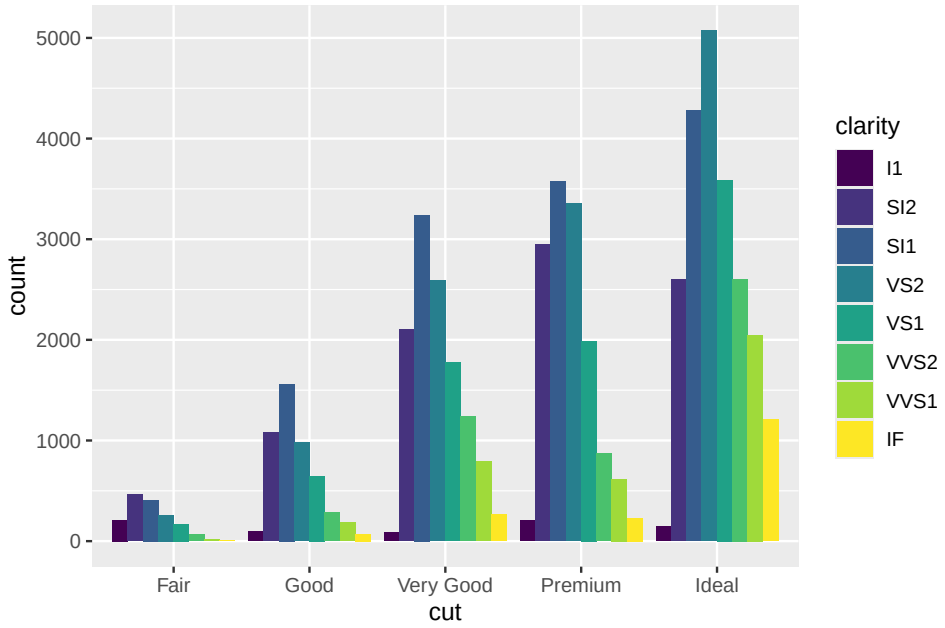
Due Date: Wednedsday January 21st, 2026, 08:00am

1. Exercises below from: https://r4ds.had.co.nz/data-visualisation.html
   (a) Exercise 3.5.1
   (b) Exercise 3.6.1
   (c) Exercise 3.7.1
   (d) Exercise 3.8.1
   (e) Exercise 3.9.1
2. The below figure is from the dataset `diamonds`.
   (a) Write a couple of sentences describing the data set.
   (b) Write an R-command that uses `ggplot` and `geom_bar` to produce the following figure.



   (c) Write (one sentence) an observation you can draw from the bar graph.