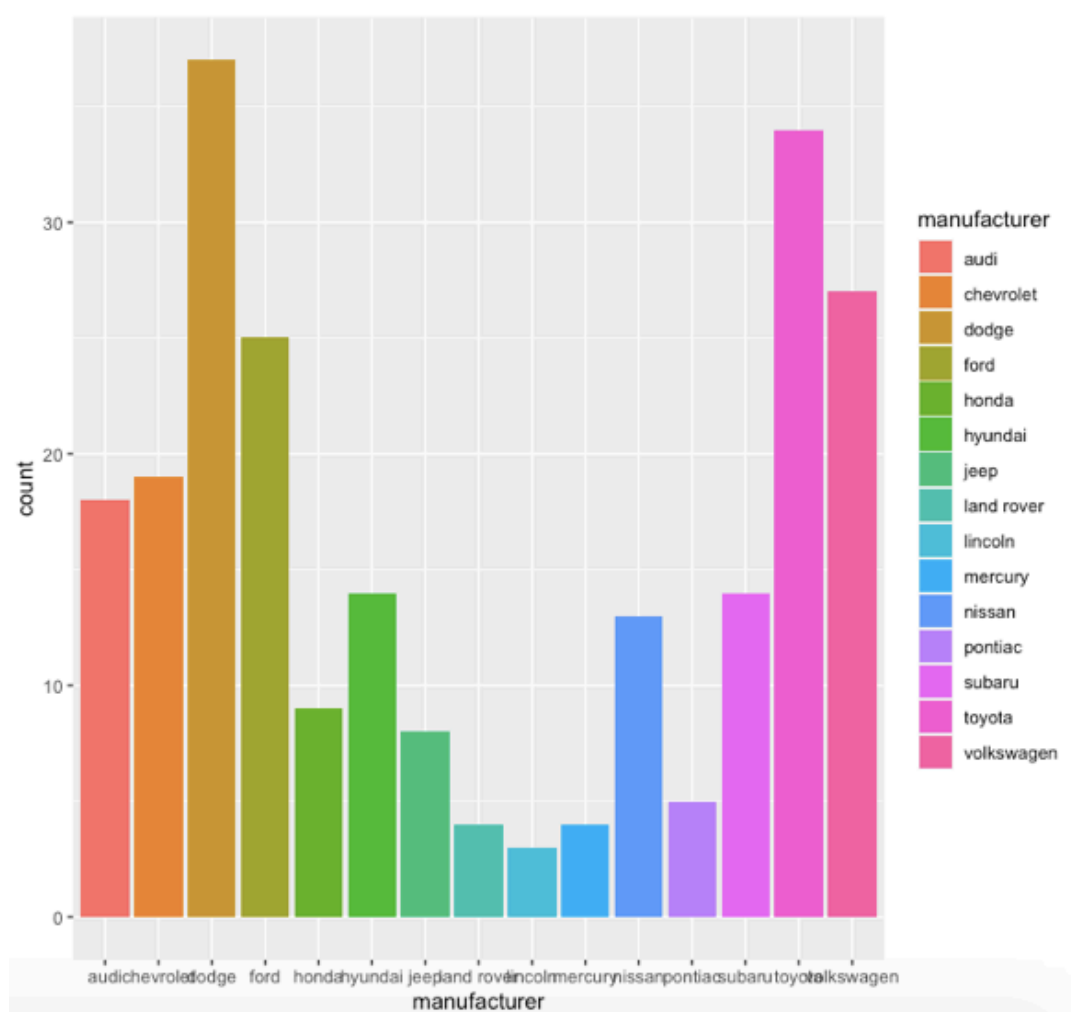
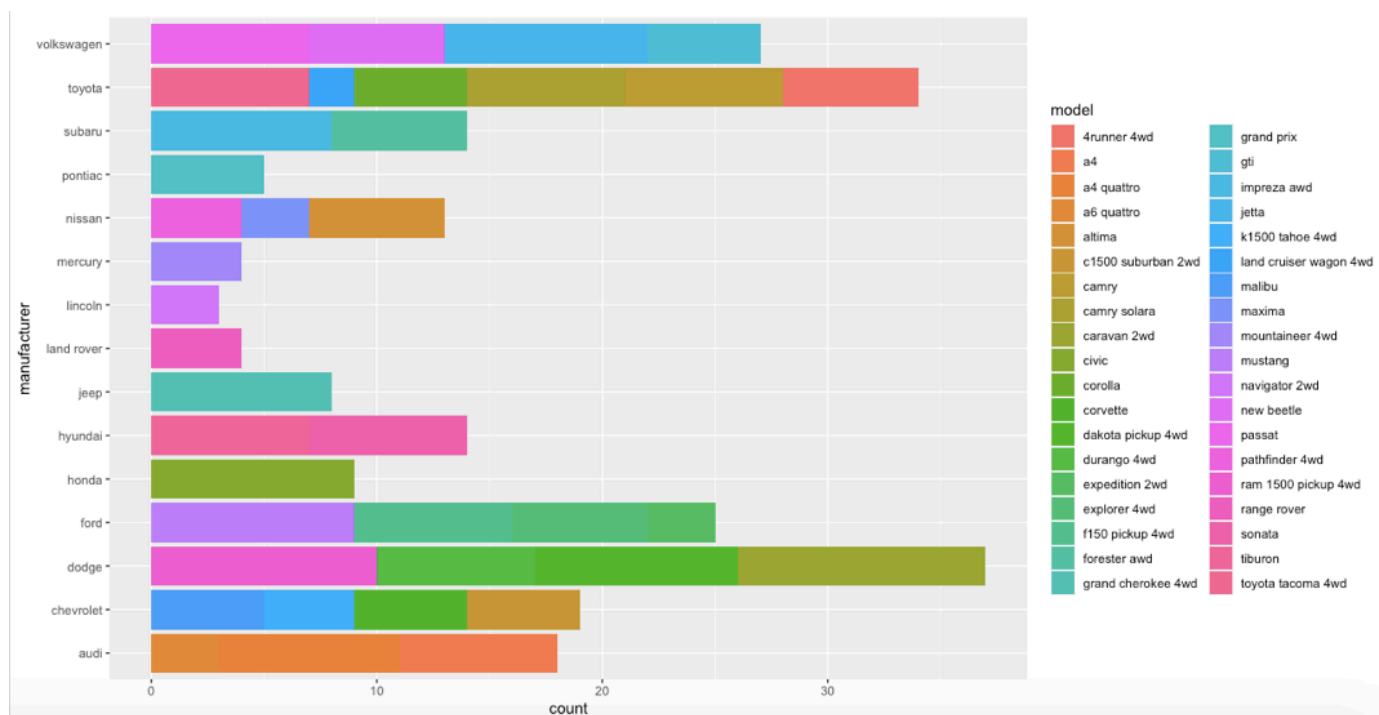


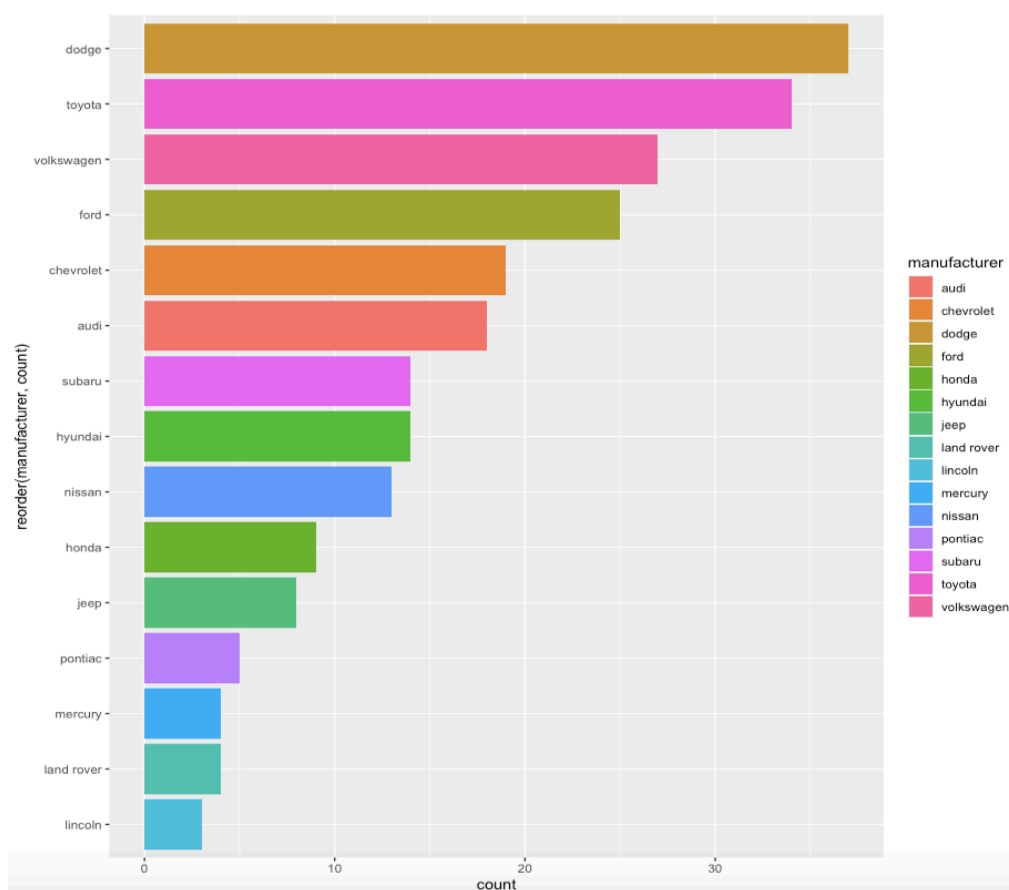
1. Using a mpg dataset create the following graph



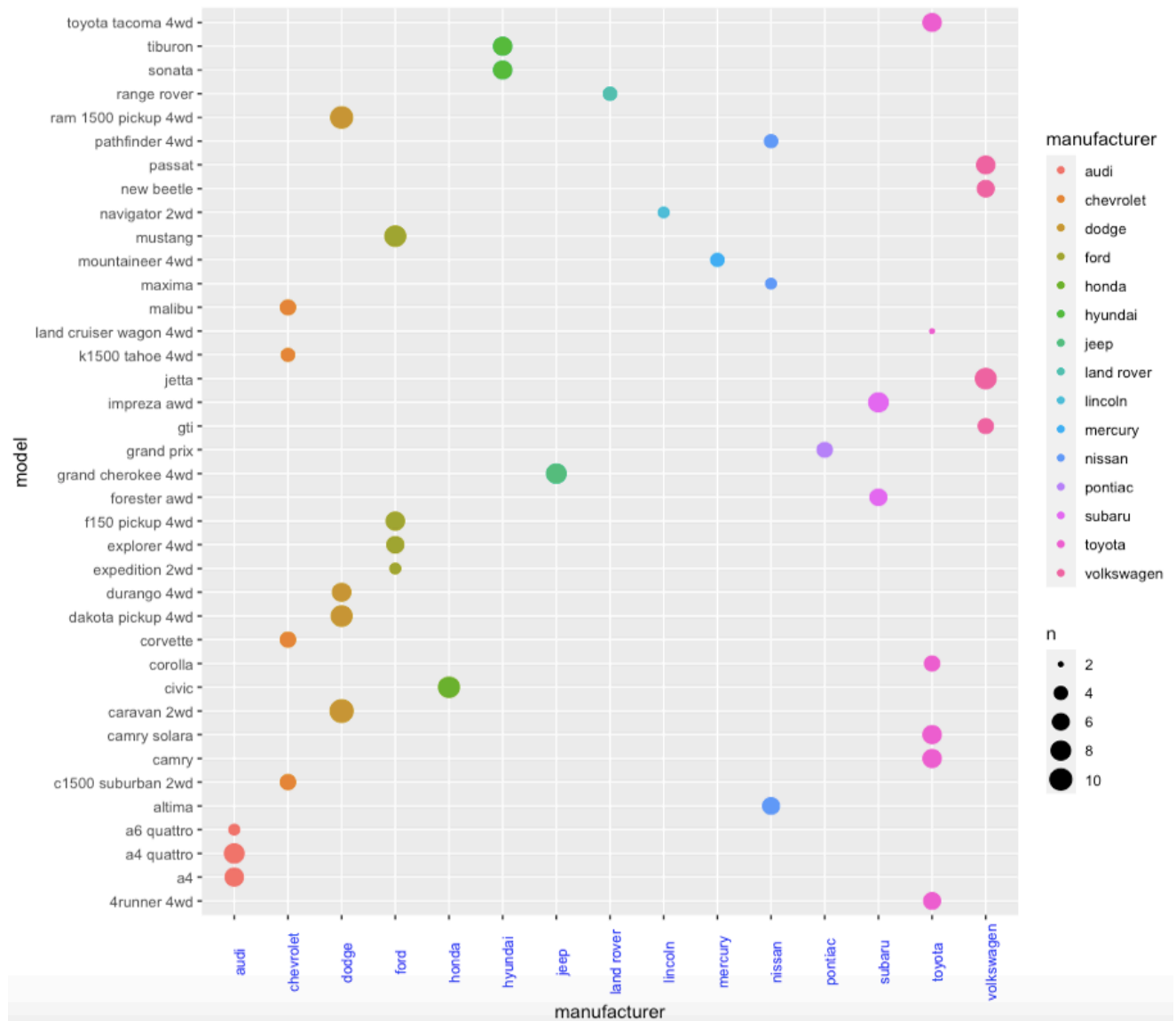
2. Modify the above plot to include the following data (data on the models for each manufacturer):



3. Try to modify the plot in question 1 to reorder the bars in the order of the count. (Hint: use reorder function in the y value of the aes function)



4. Build a plot of the count of cars categorised by model and manufacturer. Align the x axis labels vertically so that they are visible as shown below (Hint: use theme function along with element_text function to set the value of axis.text.x)



5. Experiment with violin plot on the movies dataset (from ggplot2 package) using the variables rating (x axis) and votes (y axis). Try different scales (default, scale_y_log10, reciprocal, sqrt, manually setting y limit values using ylim function with a limit between say 0 and 30). You may also experiment with scale_y_continuous function example:
`scale_y_continuous(trans = "log10")(trans = "log10")`
`scale_y_continuous(trans = "reciprocal")`

