Review: R factors

1. What's a `factor`?

2. How can you find out if an R object is a factor?

3. How many data types can a `factor` hold?

4. What type of categorical variables are these vector elements?
```
foo <- c("green", "red", "blue")
bar <- c("small", "medium", "tall")
```

5. How can you turn `bar` into a `factor` named `barf` that is `ordered`?

6. What happens to `c(1,2,3)` when I convert it to a `factor`?

7. How can I sum up elements of `factor(c(1,2,3))`?

8. How do `levels` of a `factor` and `names` of a `vector` differ?

9. What is the (statistical) `summary` of a `factor` vector?

10. Can you compare two factor levels?

11. What are `factor` values good for?