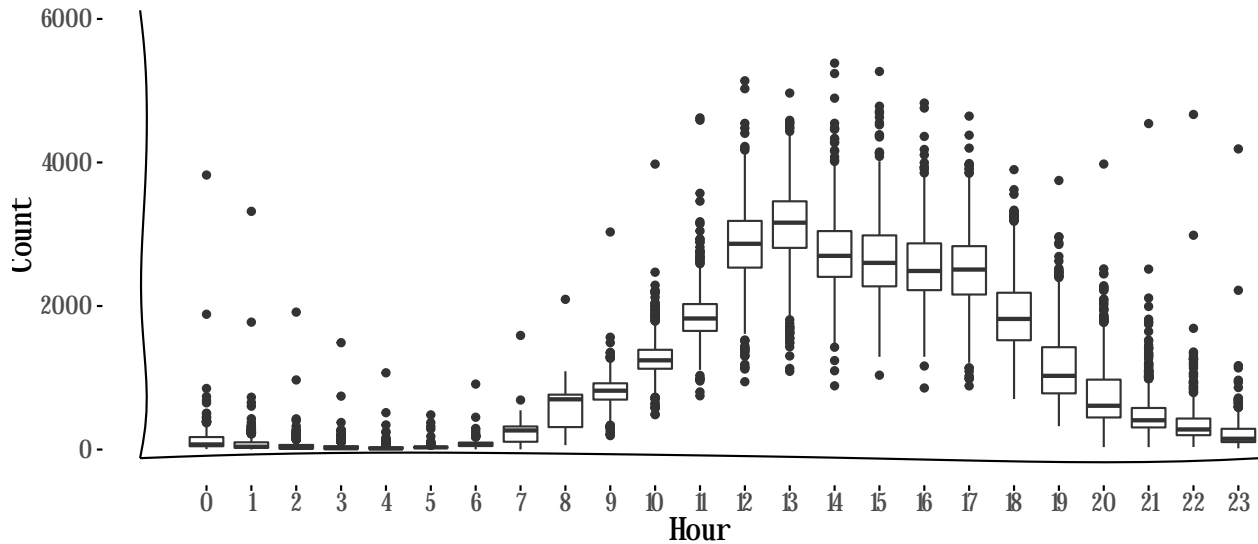


Vis Quiz 1

SOLUTION

Question 1



- a. Data: Melbourne pedestrian sensor counts, Bourke St Mall, 2015
- b. Aesthetics: `hour` is mapped to `x` position, `count` is mapped to `y` position
- c. Geom: `boxplot`
- d. (Extra credit) Theme: `xkcd`

Question 2

- In the hierarchy of mappings position along a common scale yields the most accurate reading of the data values from a plot. **TRUE**

Question 3

Fill in the blank

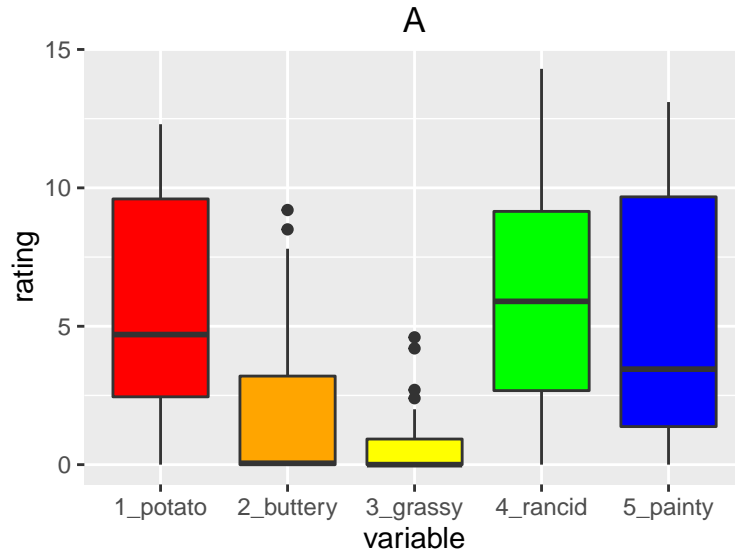
- A **diverging** colour scale should be used when both negative (low) and positive (high) values of a quantitative variable are important.

Question 4

Both of these maps use colour to display different levels of a categorical variable, but only one actually maps the variable to the colour aesthetic. Which one is it? **B**

A

```
ggplot(data = french_sub, aes(x="1_potato", y=potato)) +
  geom_boxplot(fill = I("red")) +
  geom_boxplot(aes(x = "2_buttery", y = buttery), fill = I("orange")) +
  geom_boxplot(aes(x = "3_grassy", y = grassy), fill = I("yellow")) +
  geom_boxplot(aes(x = "4_rancid", y = rancid), fill = I("green")) +
  geom_boxplot(aes(x = "5_painty", y = painty), fill = I("blue")) +
  xlab("variable") + ylab("rating") + ggtitle("A")
```



B

```
ggplot(data = french_fries_long_sub,
  aes(x=variable, y=rating, fill = variable)) + geom_boxplot() + ggtitle("B")
```

