

# BCS\_RSA\_Color\_Norming\_Native

## Participant Demographics

### Language status

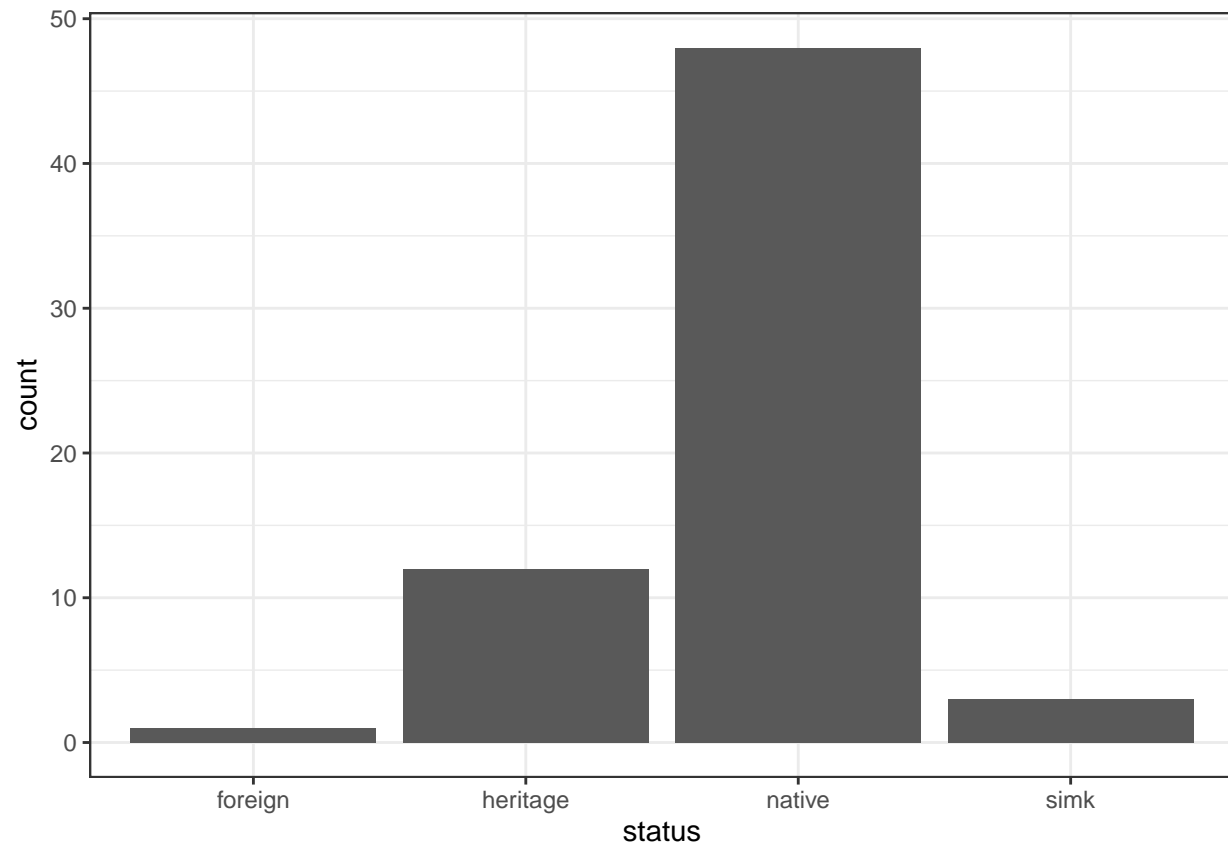
This has yet to be cleaned up: people classified as “heritage” and “foreign” may actually be native of SIMK speakers.

Foreign: first language and language spoken at school are not BCS

Heritage: first language is BCS and language spoken at school is not BCS

SIMK: Country of origin is Slovenia (SI) or Macedonia (MK)

native: first language and language spoken at school are BCS



## Dialect Information

### Dialect Measure 1

Dialects are often split up based on the phonological change of the Common Slavic *jat* vowel (\*ě), which changed to /i/ (Ikavian/Ikavica), /e/ (Ekavian/Ekavica), or /ije/ /je/ (Ijekavian/Ijekavica). Standard

Croatian and Bosnian is based on Ijekavian, whereas standard Serbian is based on Ekavian. Serbians in Croatia, Bosnian Serbs, and Montenegrins mainly use Ijekavian. A geographic distribution is shown below.

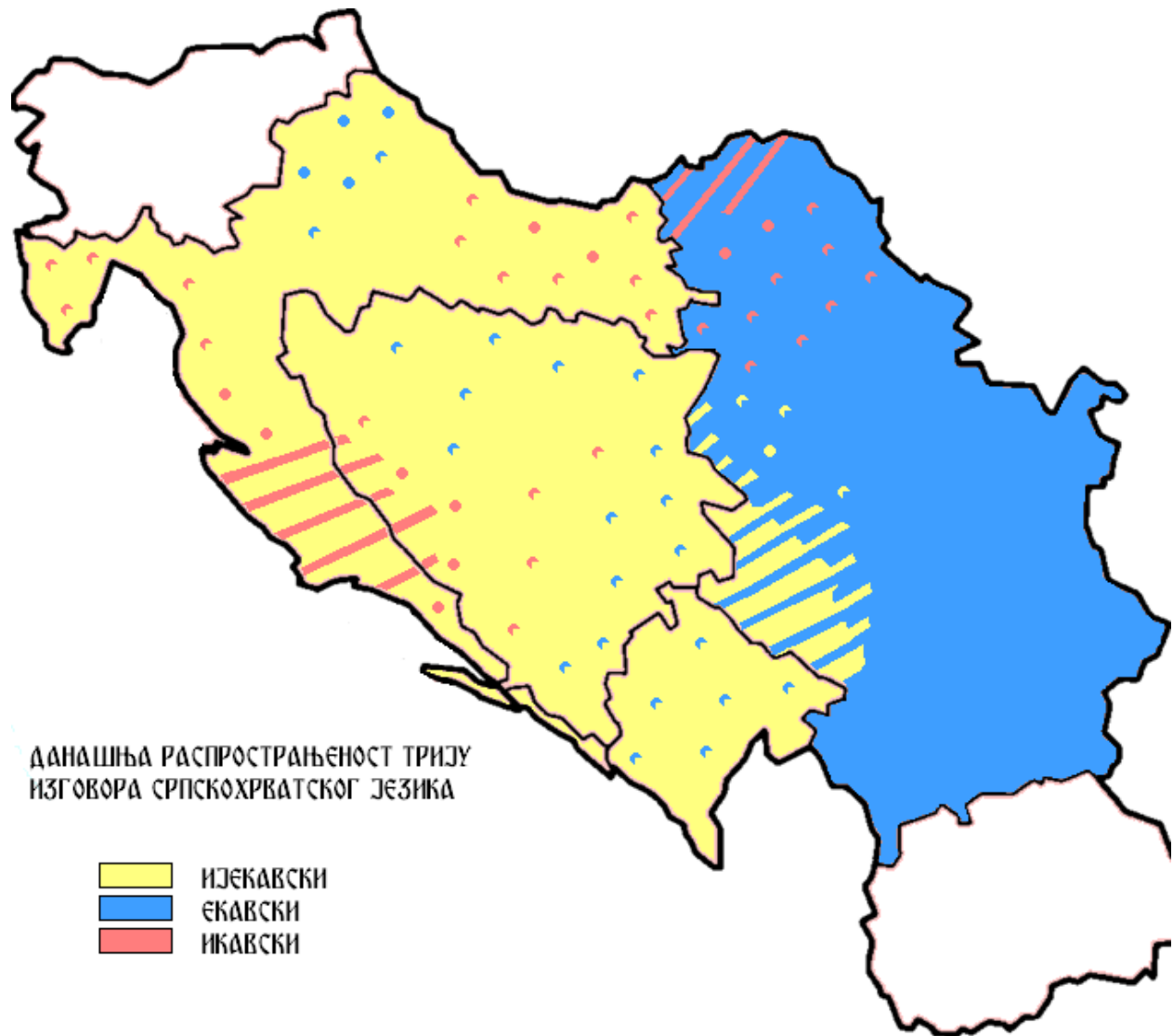
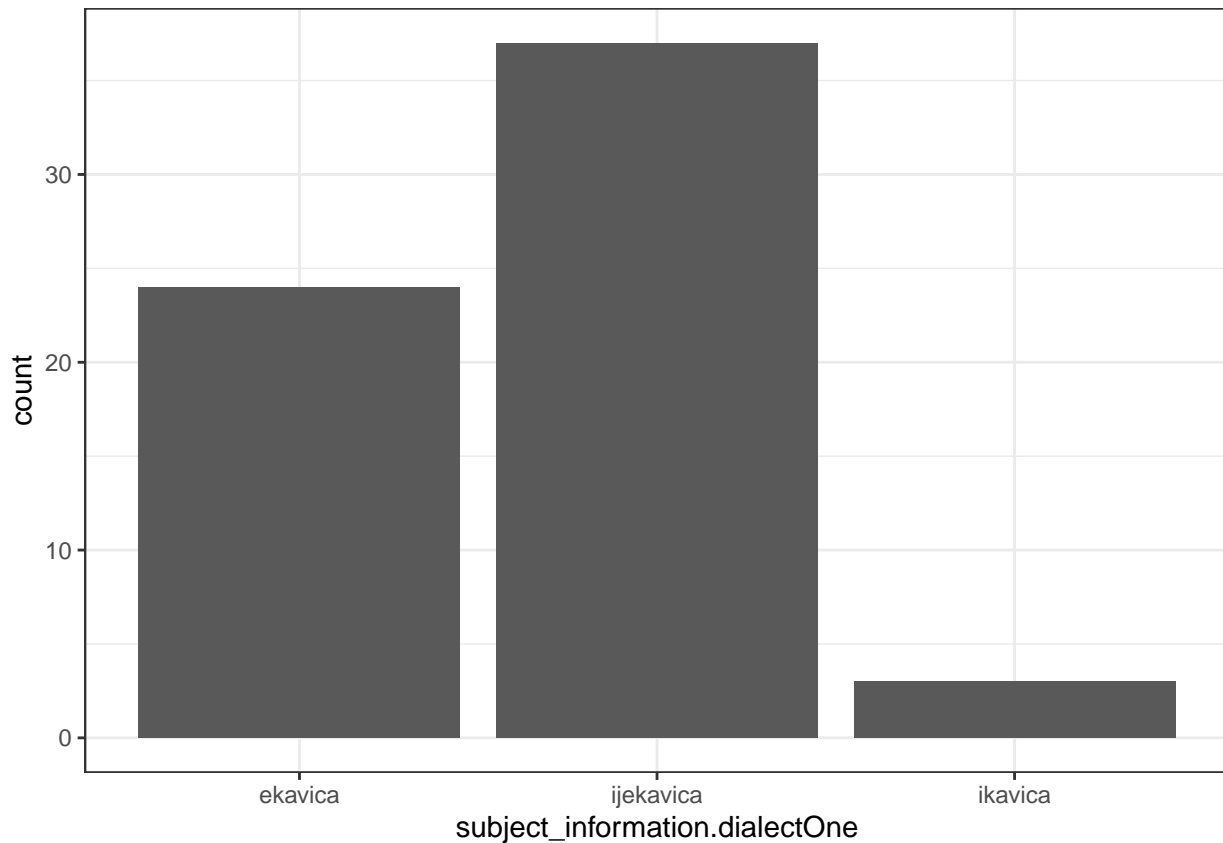


Figure 1: alt text here

yellow: ijekavica  
blue: ekavica  
red: ikavica

Our participants had the following distribution:



## Dialect Measure 2

Another common way of classifying the dialects is based on their most common question word for “what”:

Shtokavian (Štokavski) = što/šta

Chakavian (Čakavski) = Ča/ca

Kajkavian (Kajkavski) = Kaj/key

Shtokavian is the standard for all of BCS and is spoken in Bosnia and Herzegovina, Croatia, Montenegro, and Serbia. Chakavian is spoken on the Croatian coast and Kajkavian is spoken in northern Croatia. Slovenians use the word “kaj” for the “what” question word, therefore I assume Slovenians would be classified as Kajkavian speakers based on my dialect survey (even if they don’t produce the word “kaj” when speaking BCS).

The map below gives a geographic distribution of the three dialects in Croatia. Bosnia and Herzegovina, Montenegro, and Serbia would all be colored green based on this map.

Chakavian (blue) = Čakavski

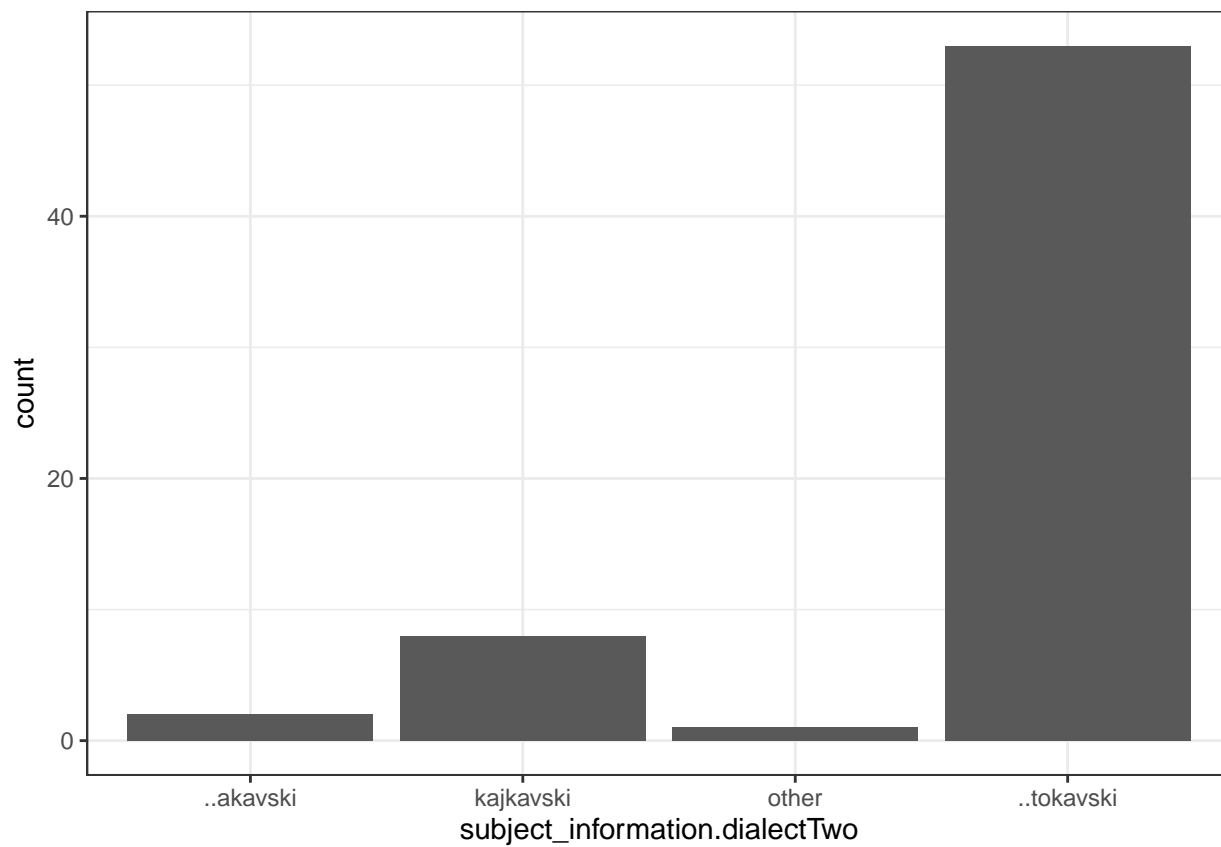
Kajkavian (purple) = Kajkavski

Shtokavian (green) = Štokavski

Our participants had the following dialect distribution:



Figure 2: alt text here



## Country of participants

Participants answered the question: In which Ex-Yugoslav country did I live in/spent a lot of time in. This question aims to get a geographic distribution of participants. While we can classify speakers across ekavian/ikavian/ijekavian dialects, since this distinction represents a phonological one, it is unclear whether it will likewise reflect a difference in use of lexical items. Keep in mind that the answer to this question is distinct from what nationality participants identify as (for example there are Serbians, Croats, and Bosnians who all live in Bosnia and Herzegovina). Based on my (limited) observations, I believe that country may be a better predictor of lexical items than national identity could be.

BIH: Bosnia and Herzegovina

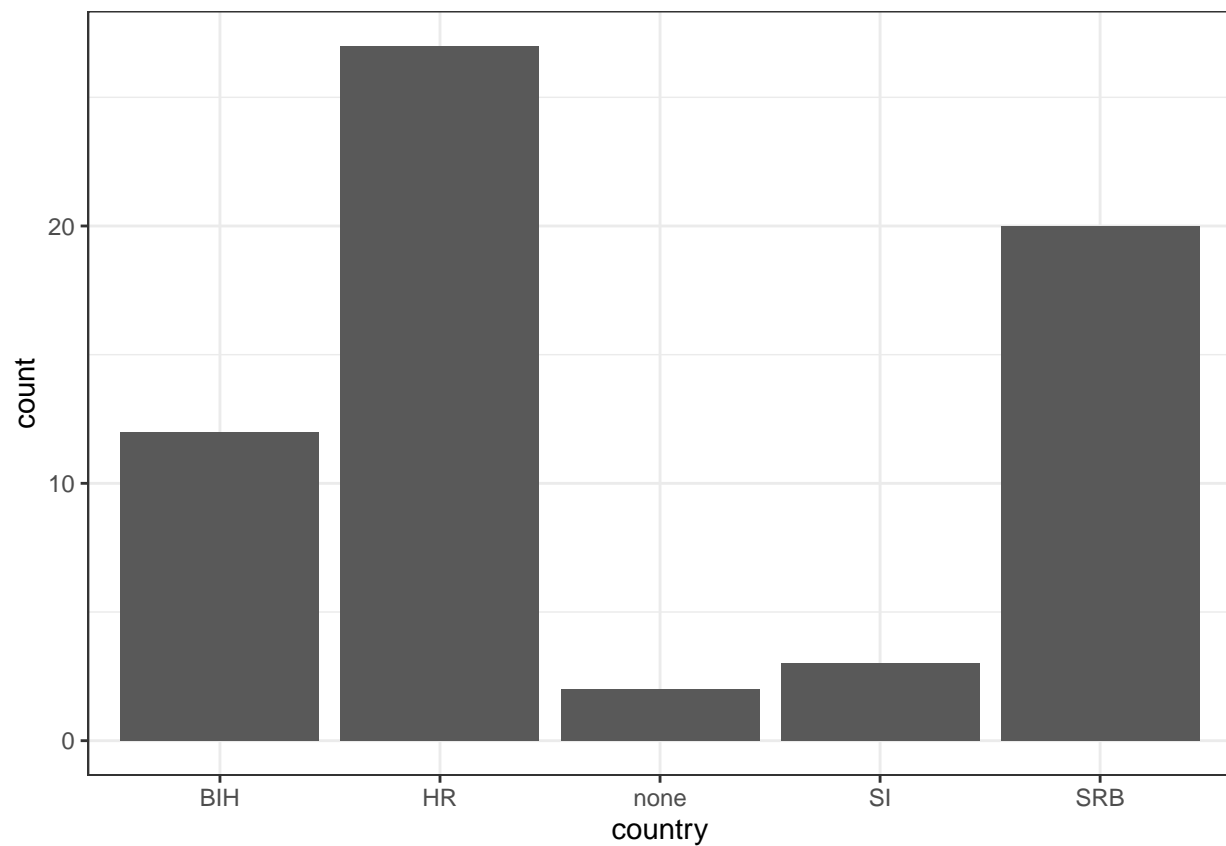
HR: Croatia

SRB: Serbia

SI: Slovenia

MK: Macedonia

MNE: Montenegro



## Colors

A quick reference guide to colors in BCS. The longer responses are often compounds of multiple colors.

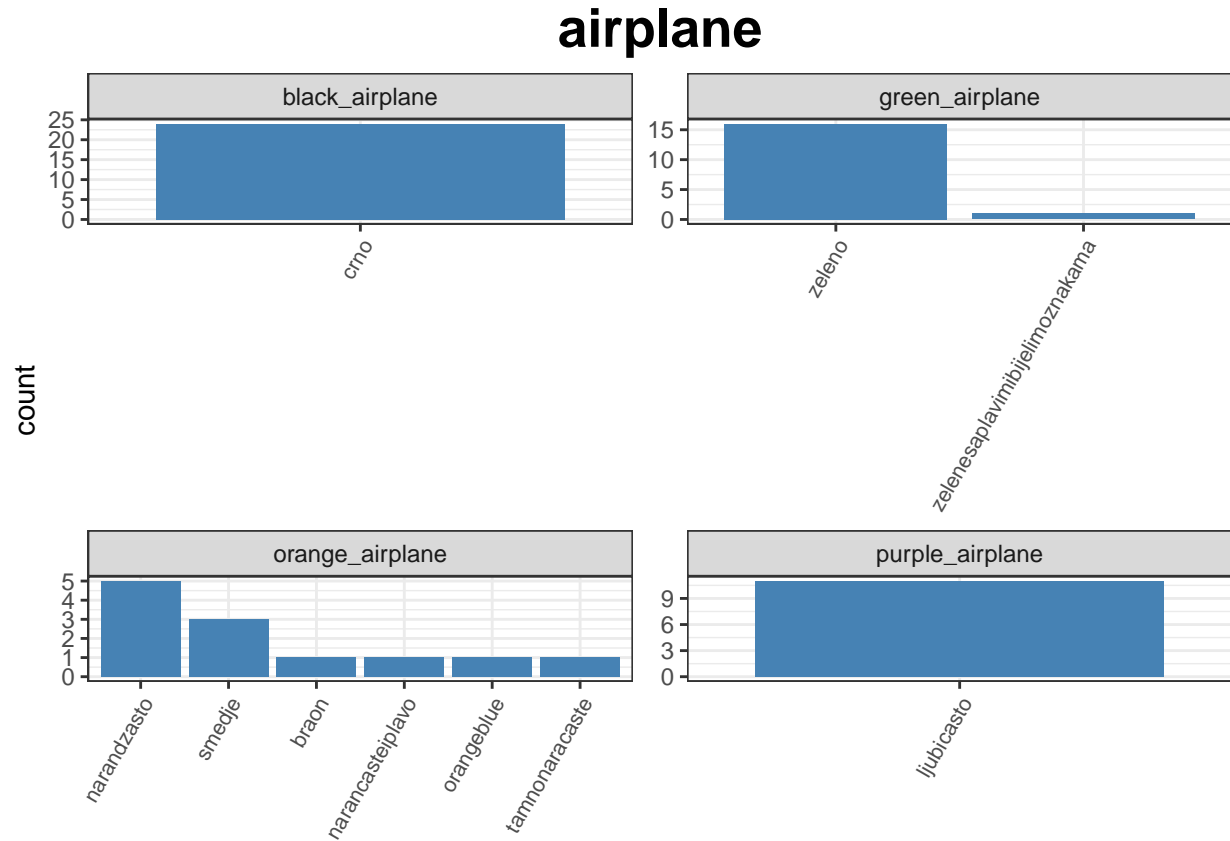


Figure 3: alt text here

## Participant Responses

Responses that participants gave to the question “What is the color of this object?” are given below. Each graph is faceted based on the color the object was presented in.

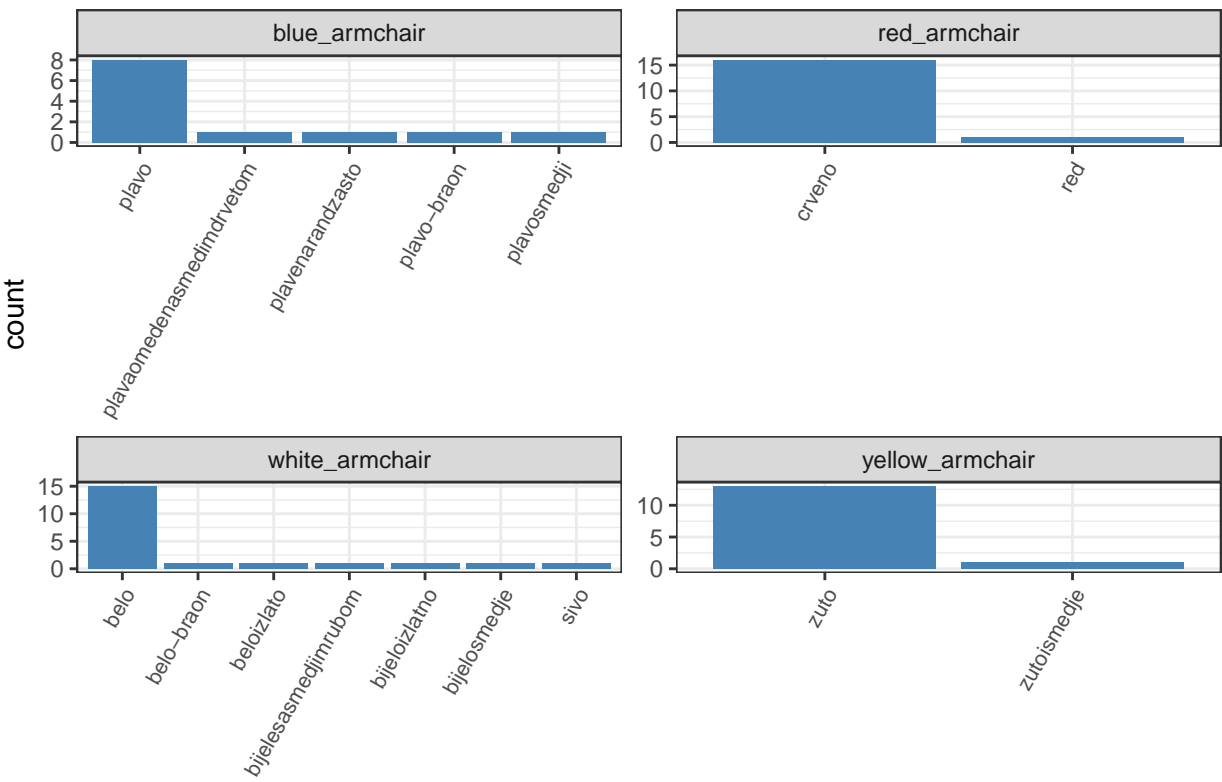
```
## [[1]]
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##
```

```
## [[2]]
```

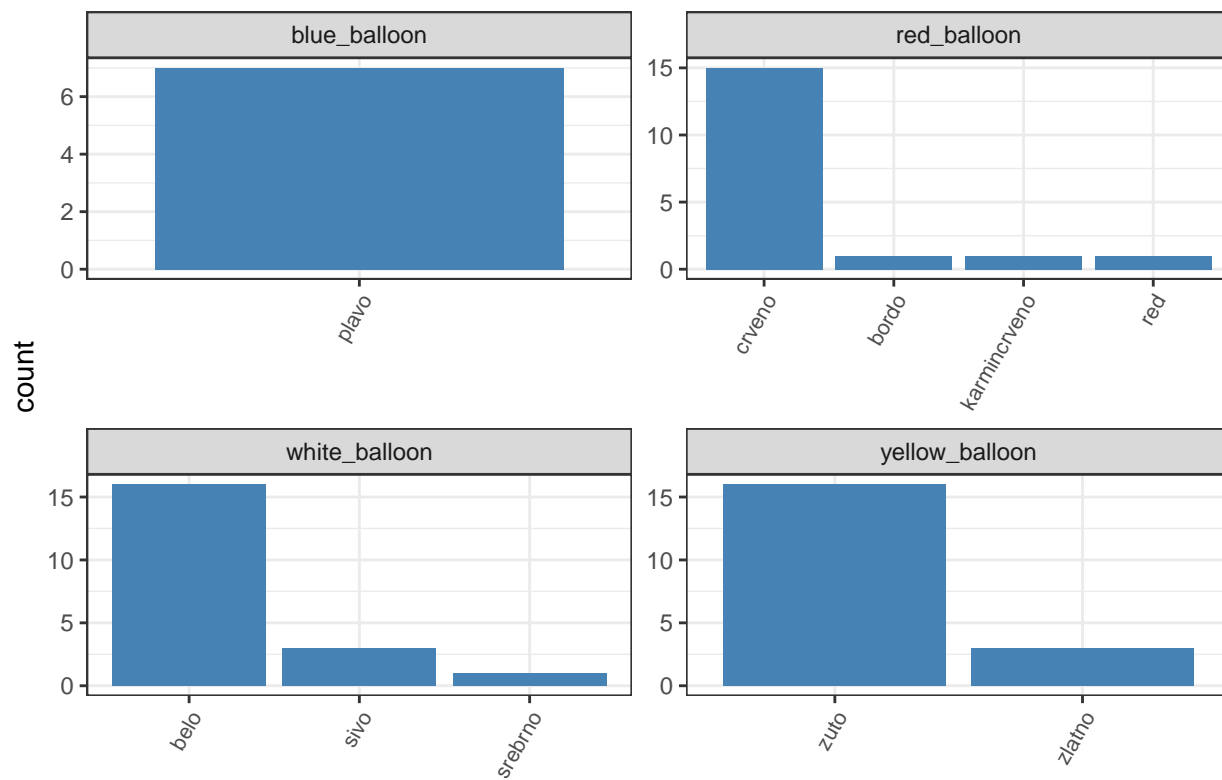
# armchair



##  
## [[3]]

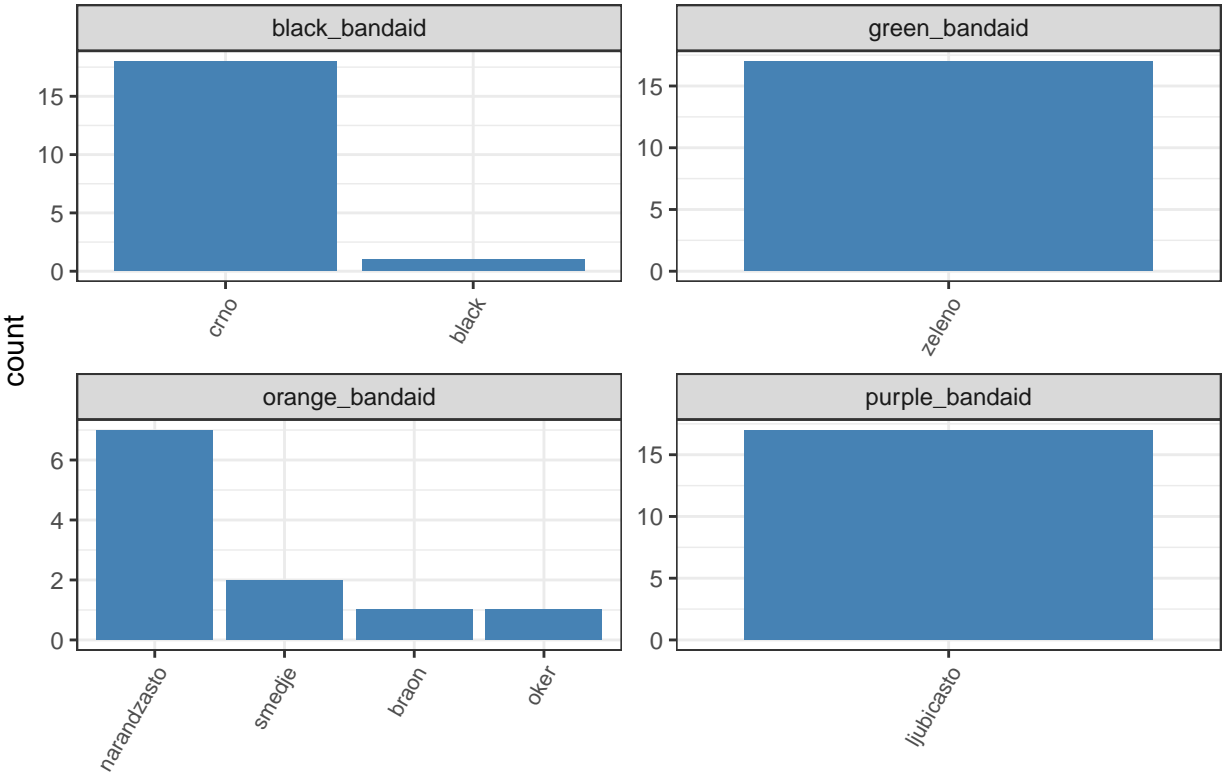


# balloon



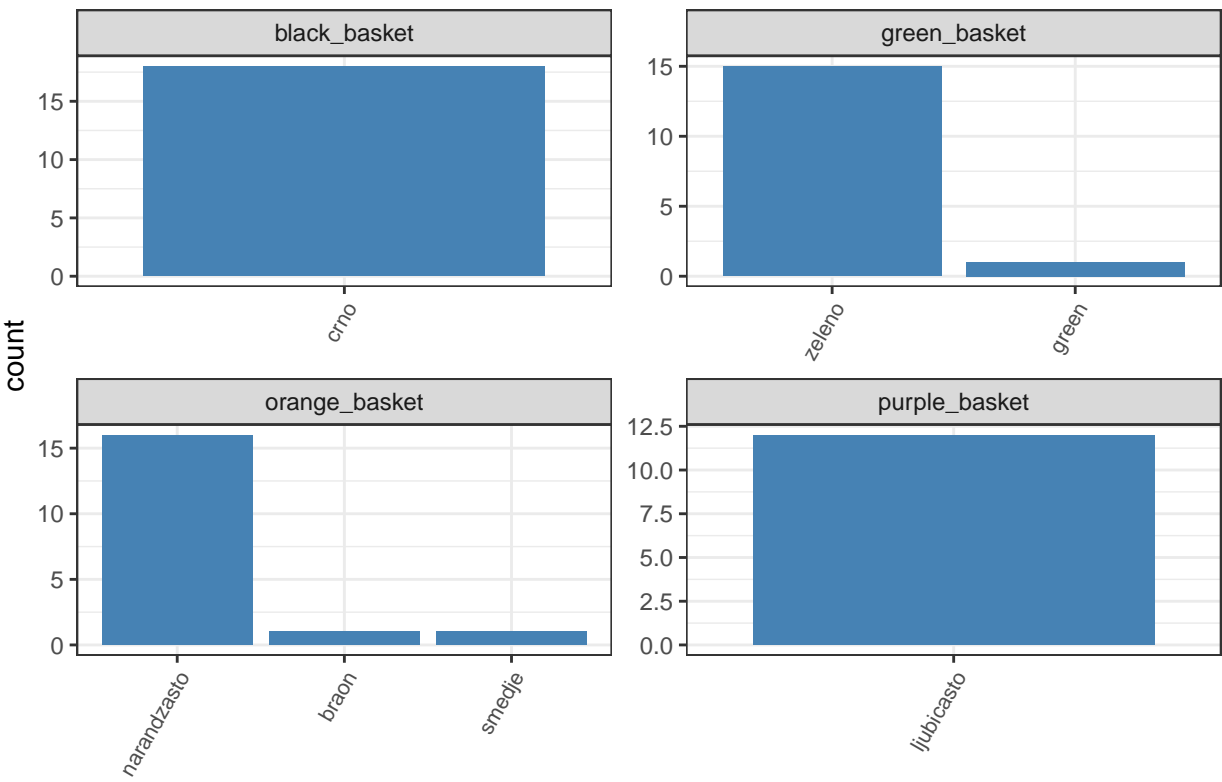
##  
## [[4]]

# bandaid



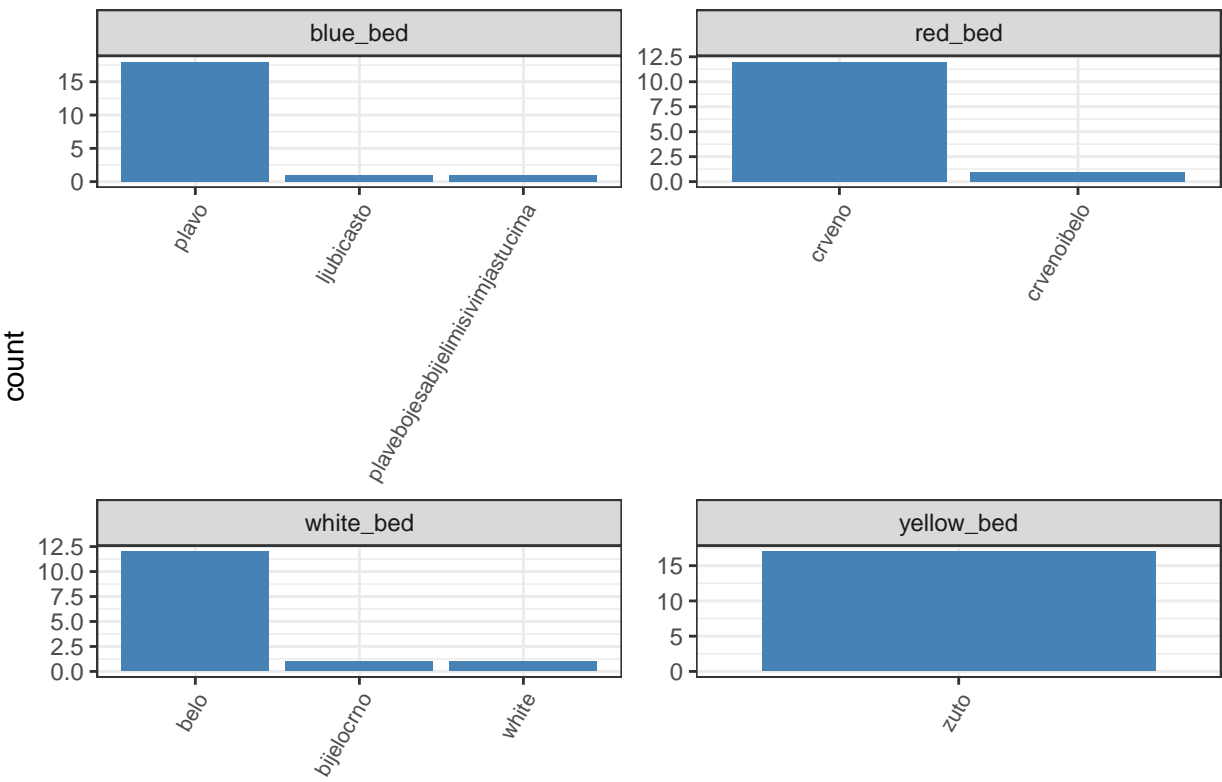
##  
## [[5]]

# basket



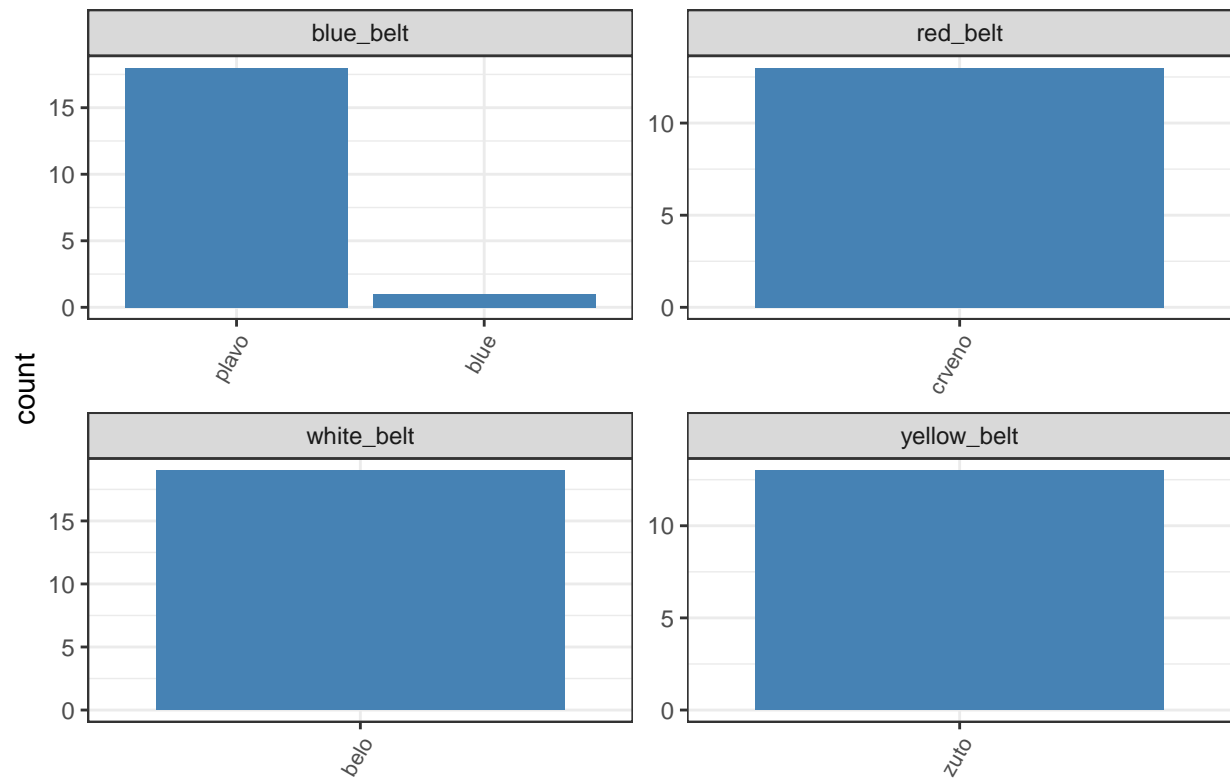
##  
## [[6]]

# bed



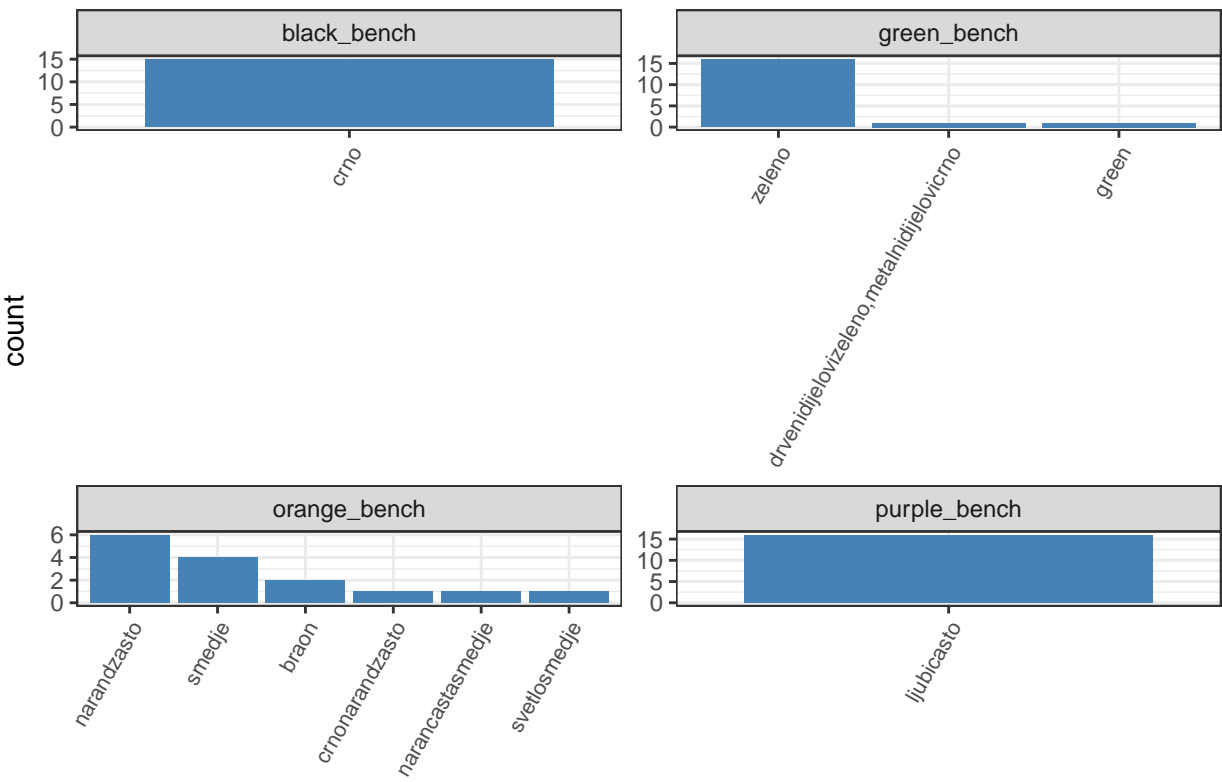
##  
## [[7]]

## belt



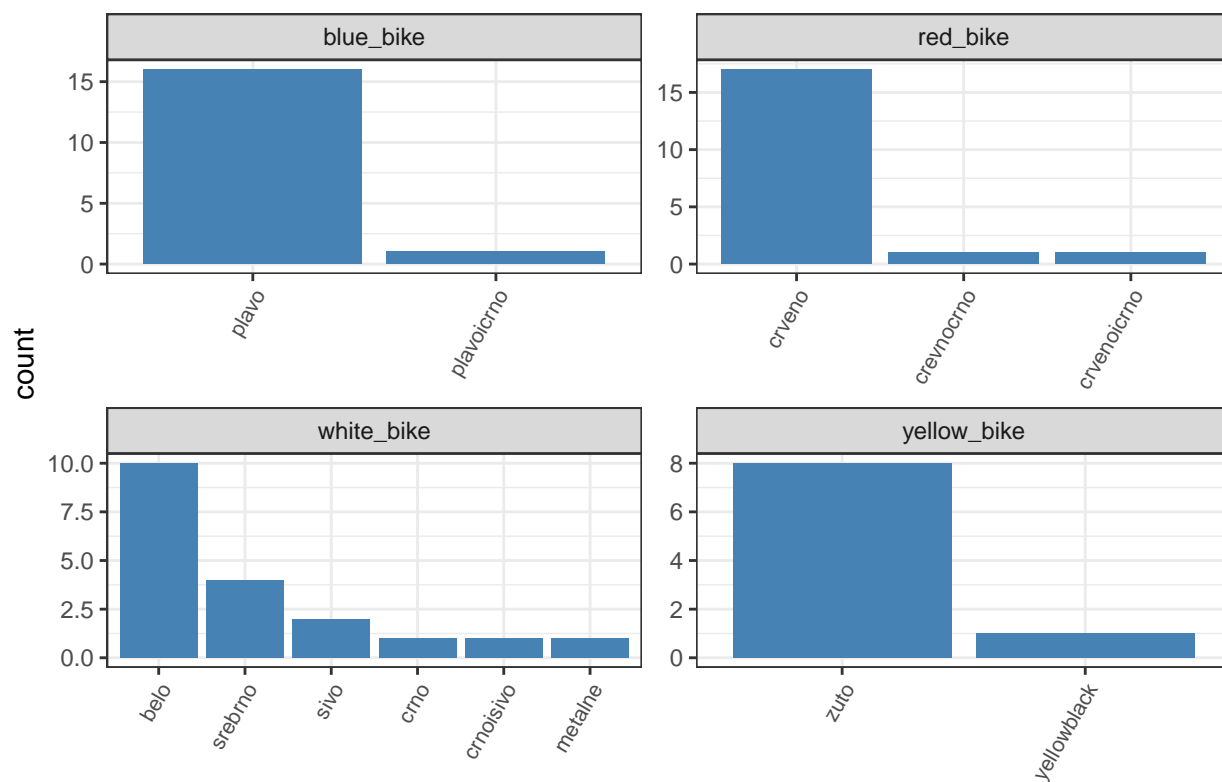
```
##  
## [[8]]
```

# bench



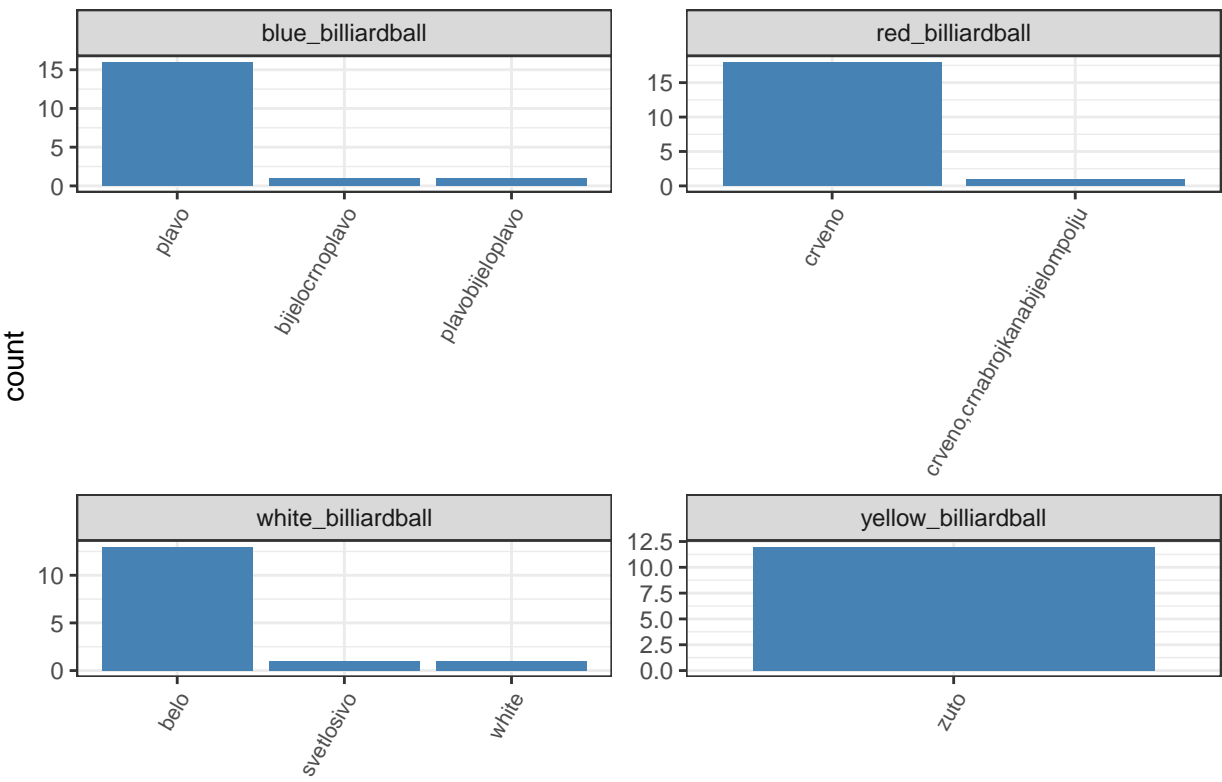
##  
## [[9]]

# bike



##  
## [[10]]

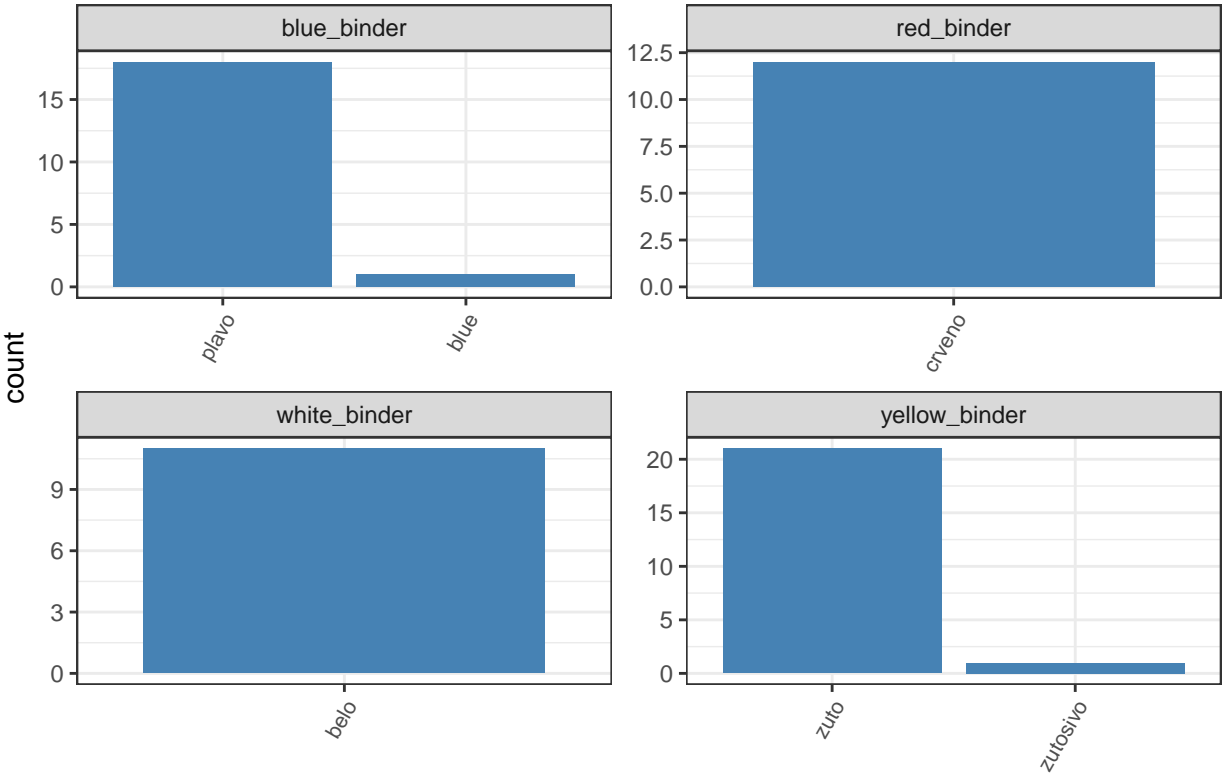
# billiardball



##  
## [[11]]

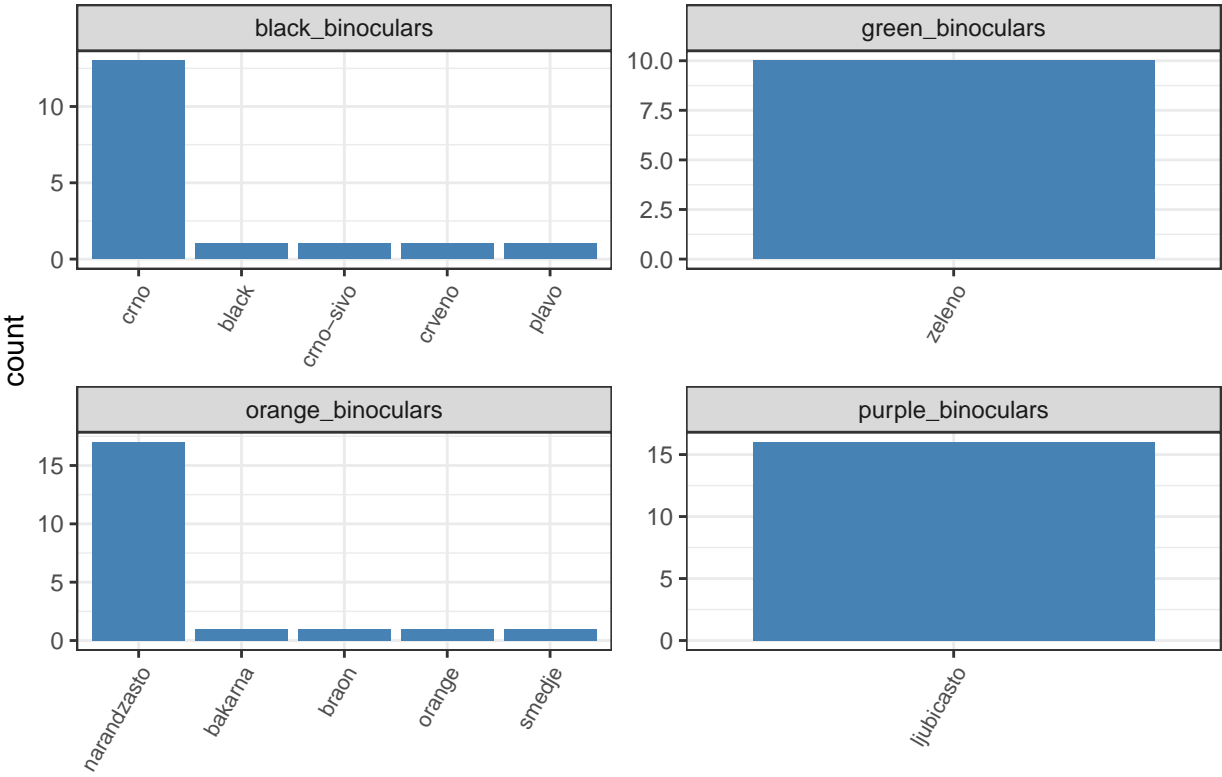


# binder



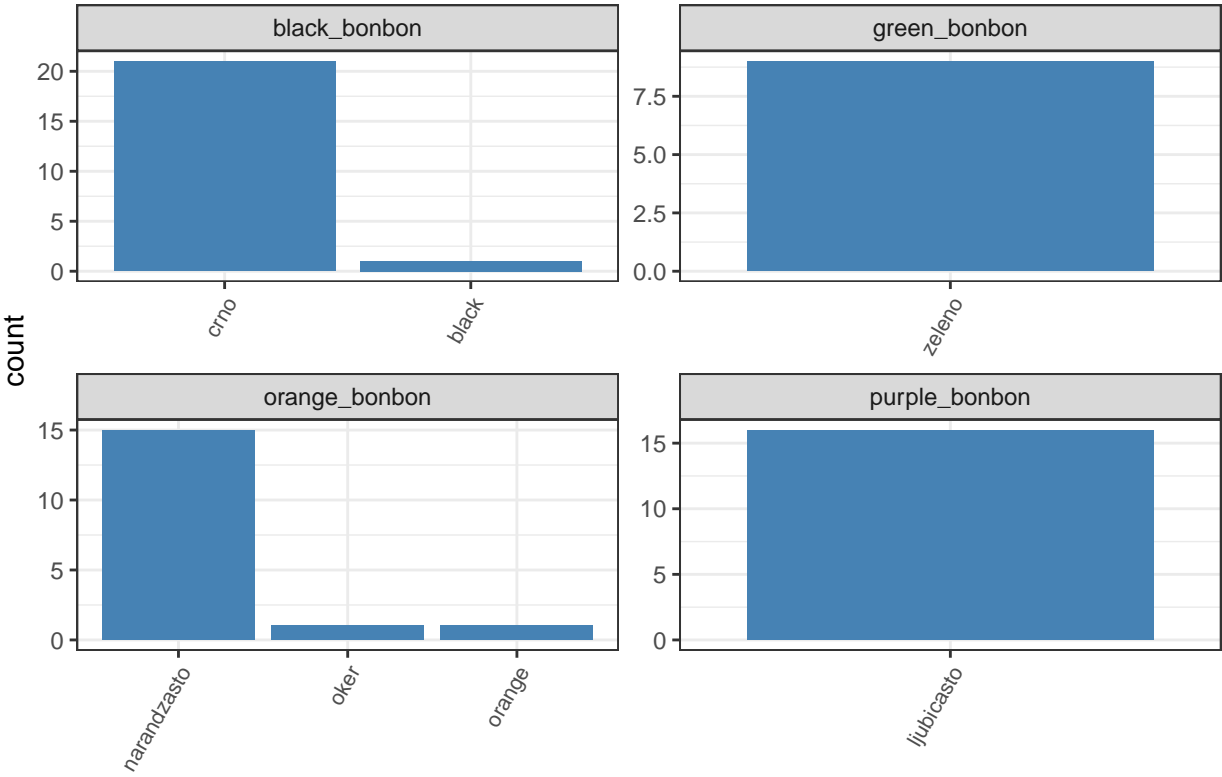
##  
## [[12]]

# binoculars



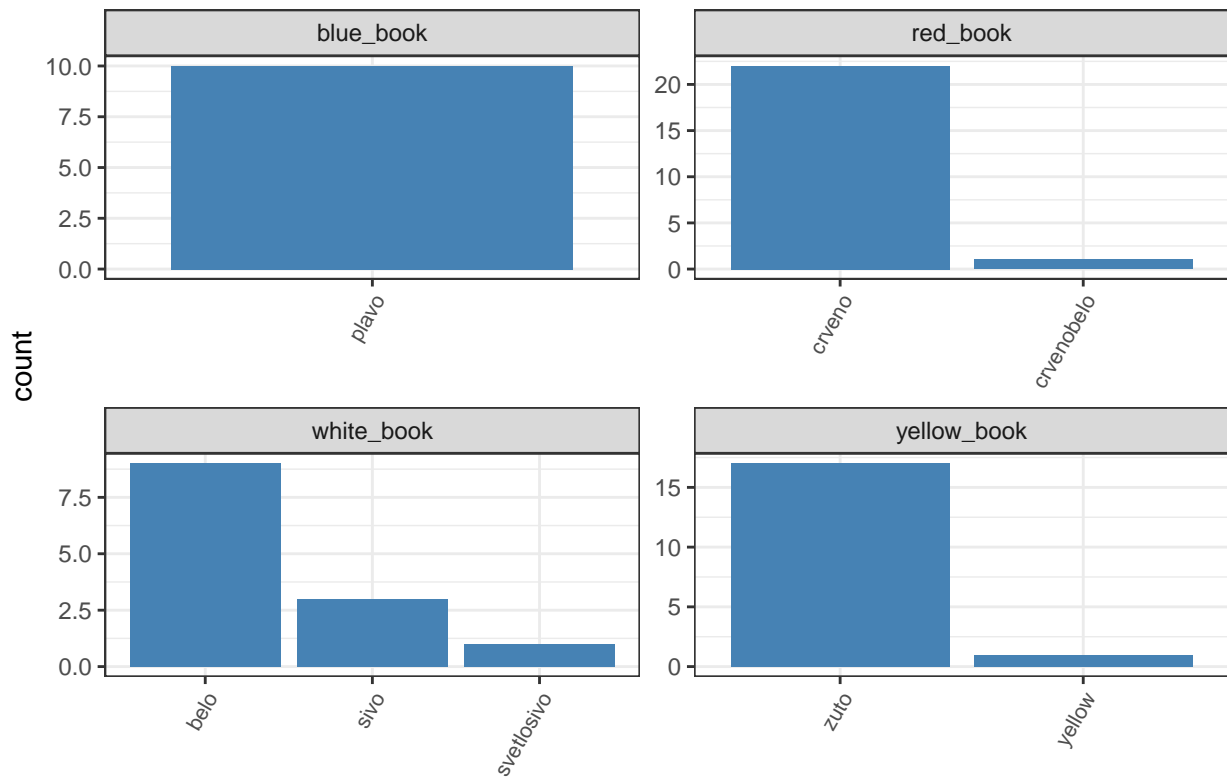
##  
## [[13]]

# bonbon



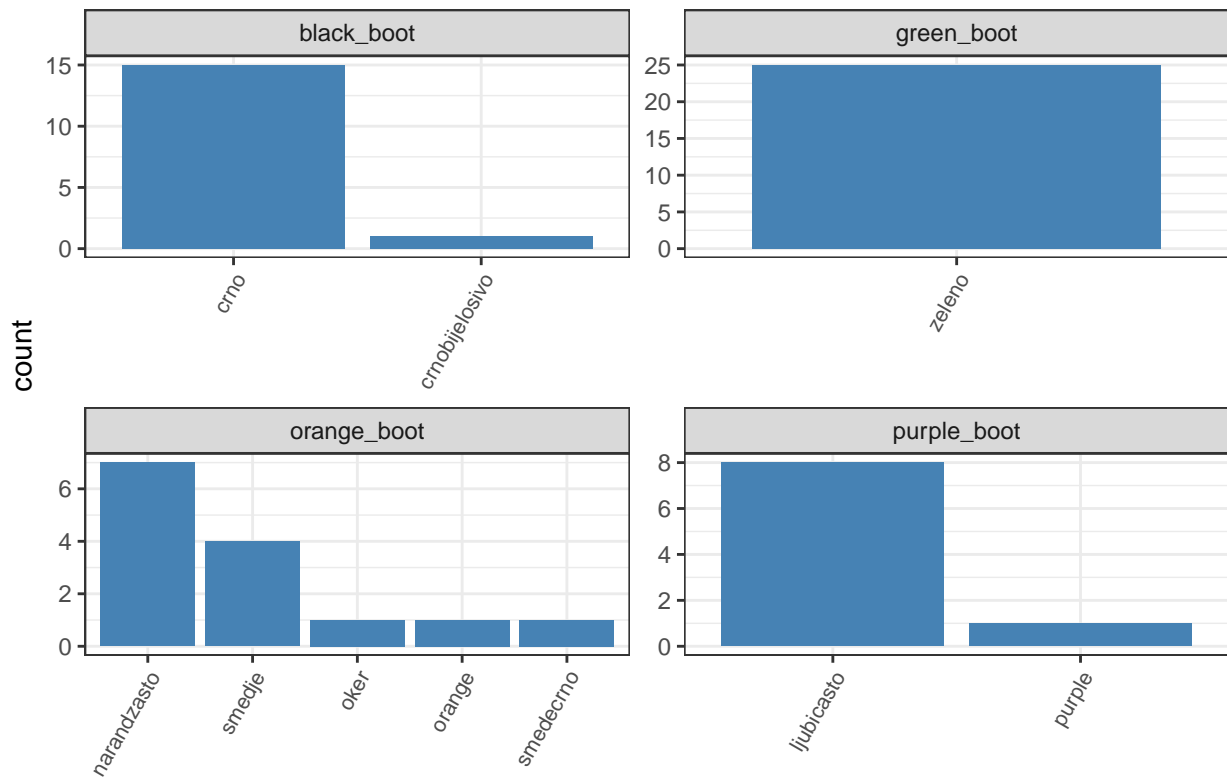
##  
## [[14]]

# book



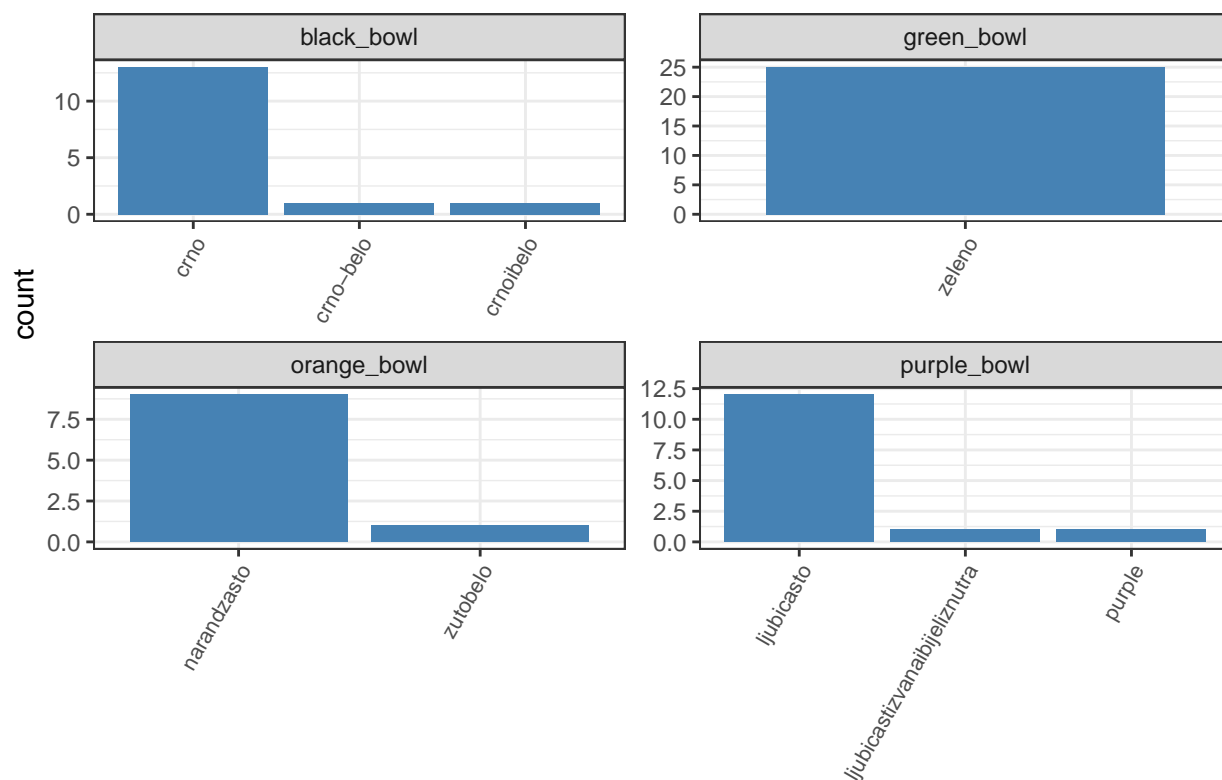
##  
## [[15]]

# boot



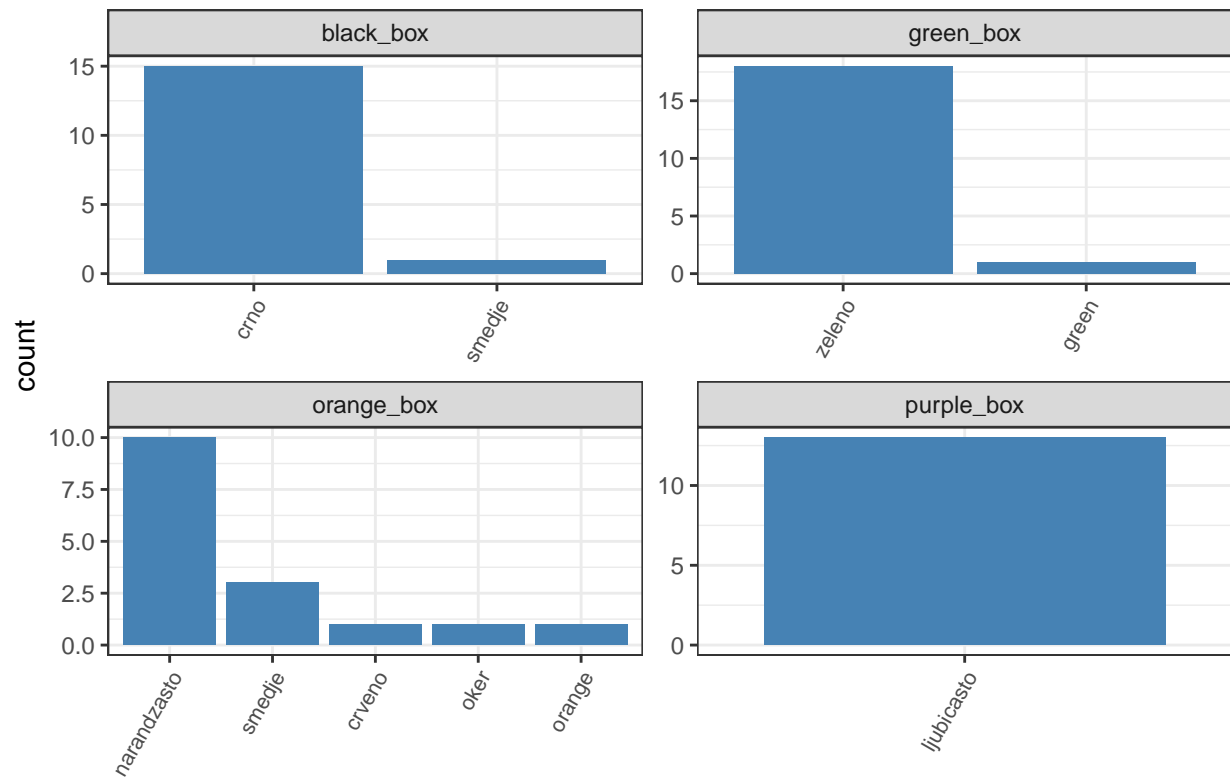
##  
## [[16]]

# bowl



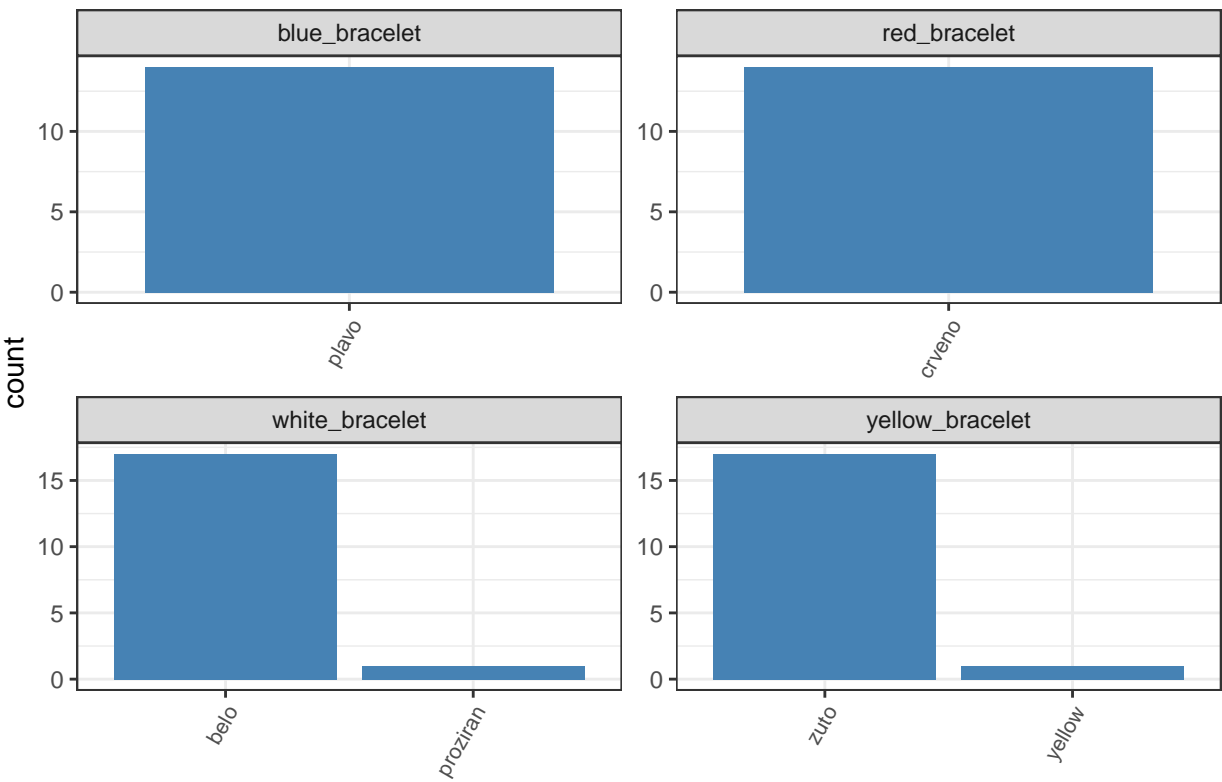
##  
## [[17]]

## box



##  
## [[18]]

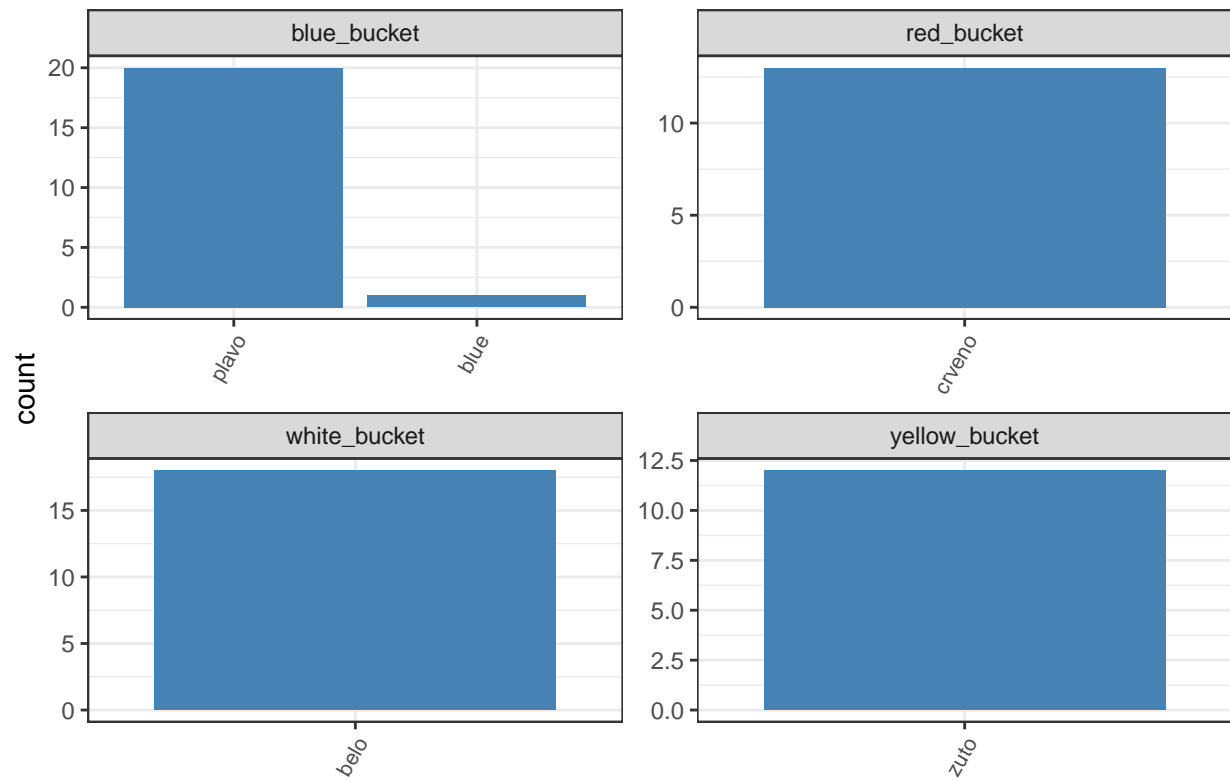
# bracelet



##  
## [[19]]

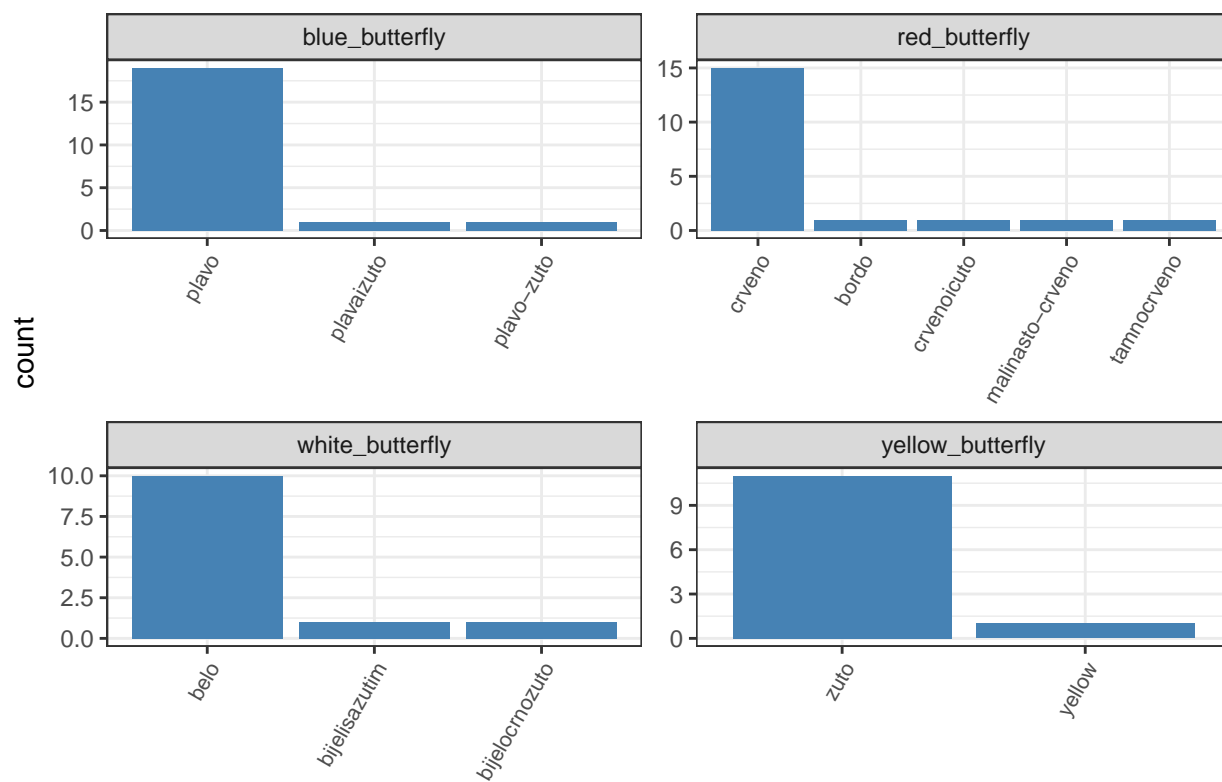


# bucket



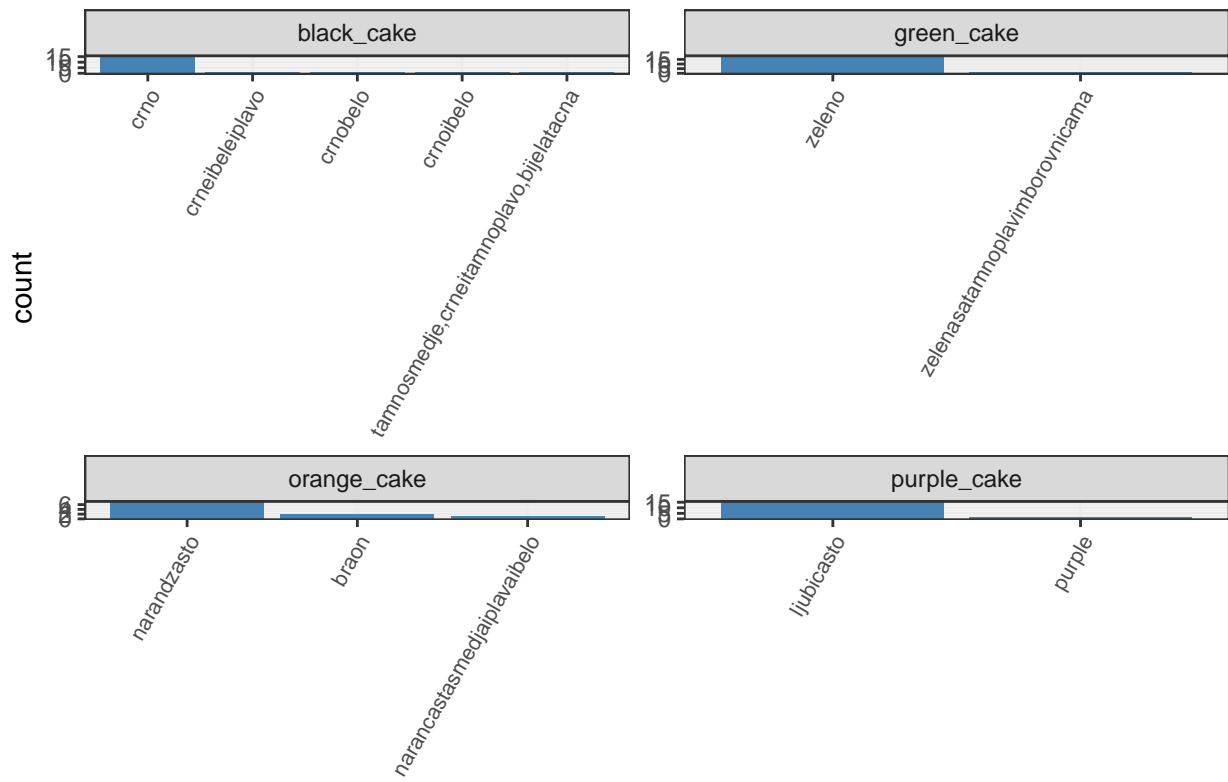
```
##  
## [[20]]
```

# butterfly



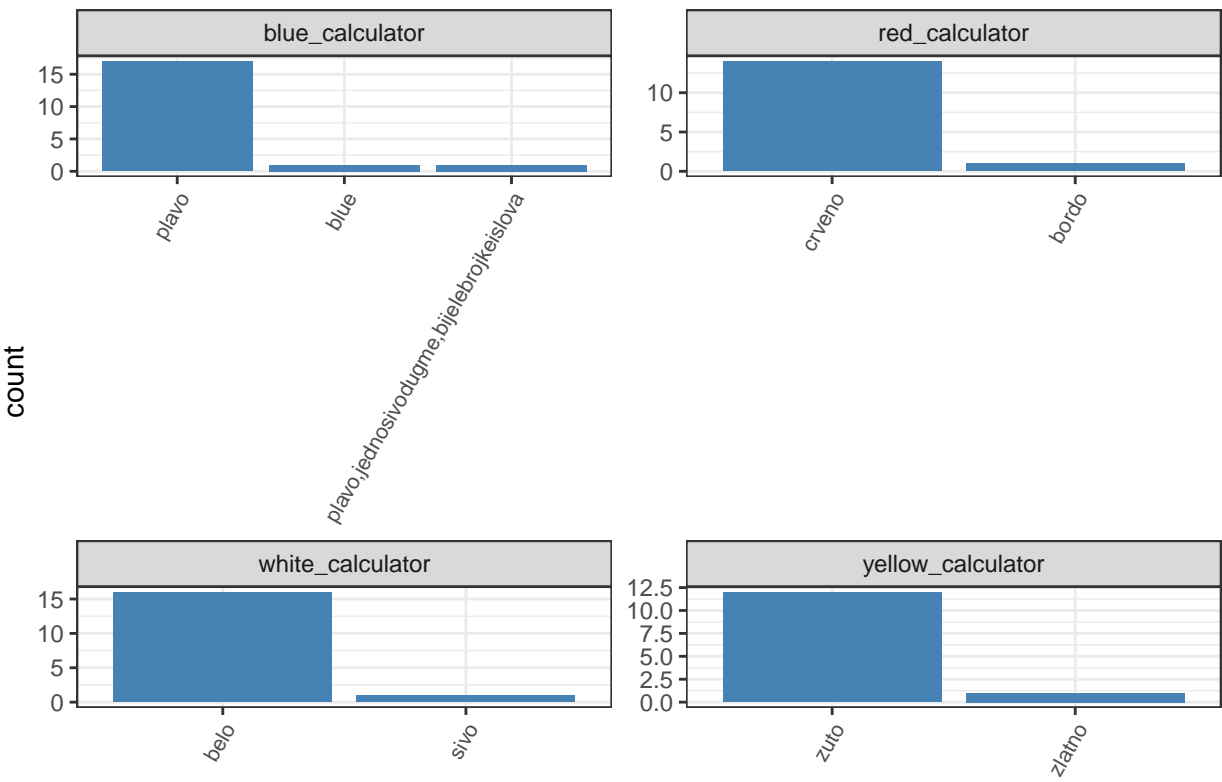
##  
## [[21]]

# cake



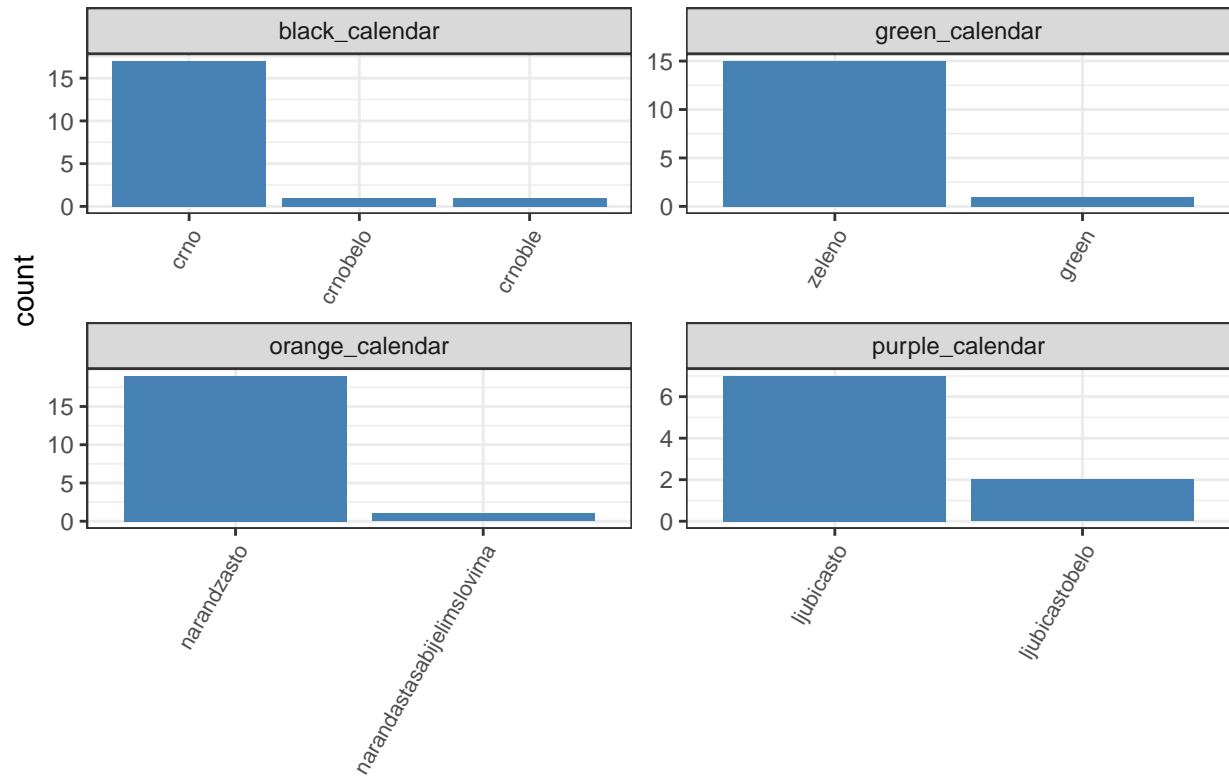
##  
## [[22]]

# calculator



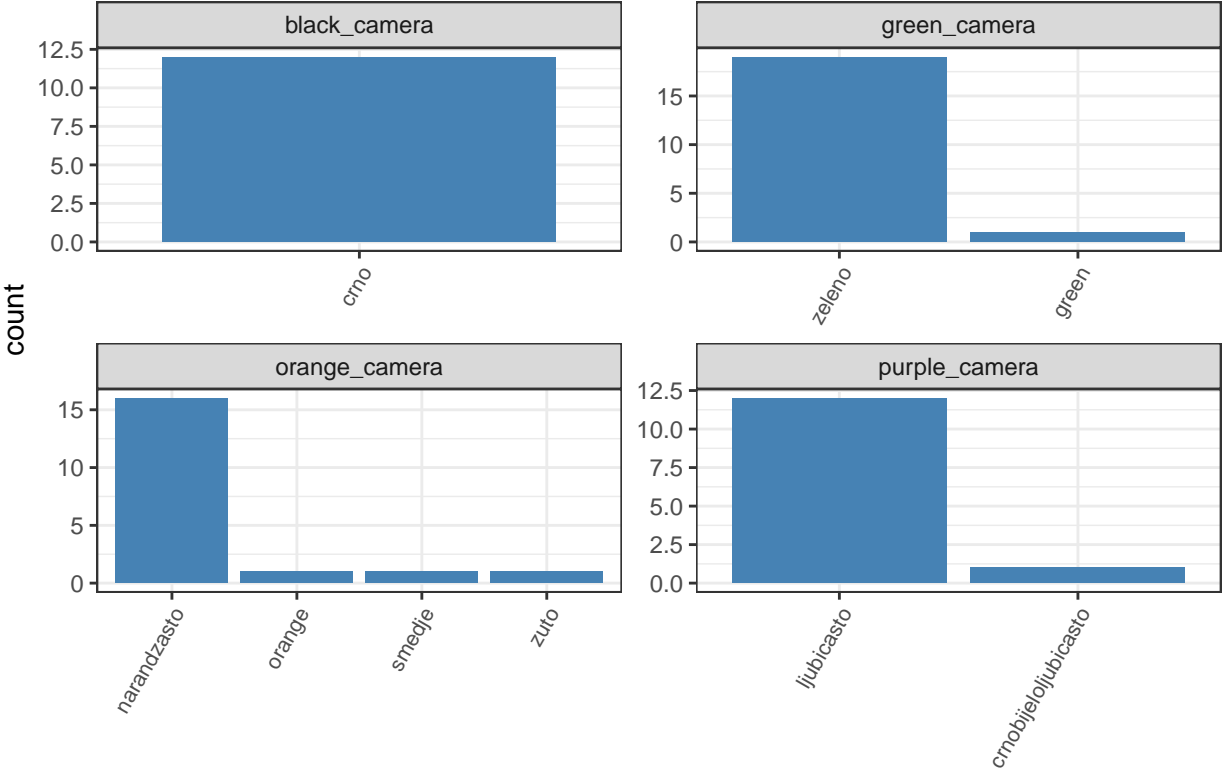
##  
## [[23]]

# calendar



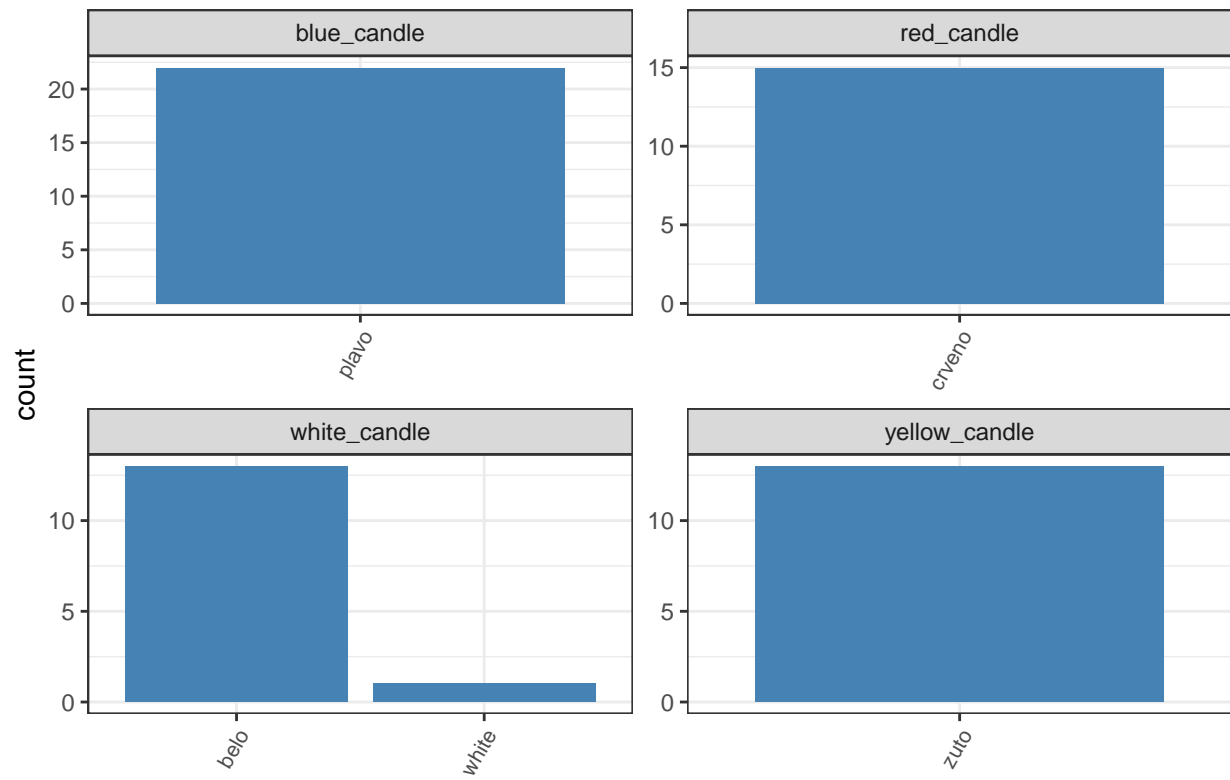
##  
## [[24]]

# camera



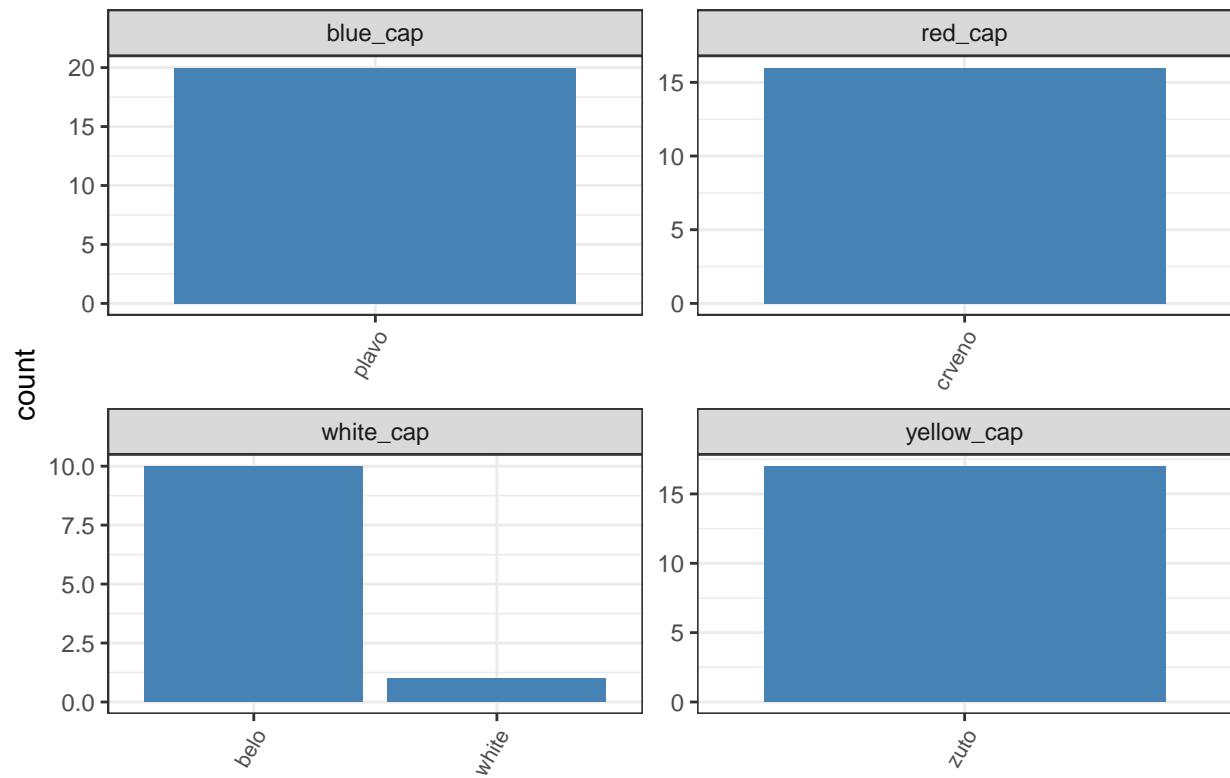
##  
## [[25]]

# candle



##  
## [[26]]

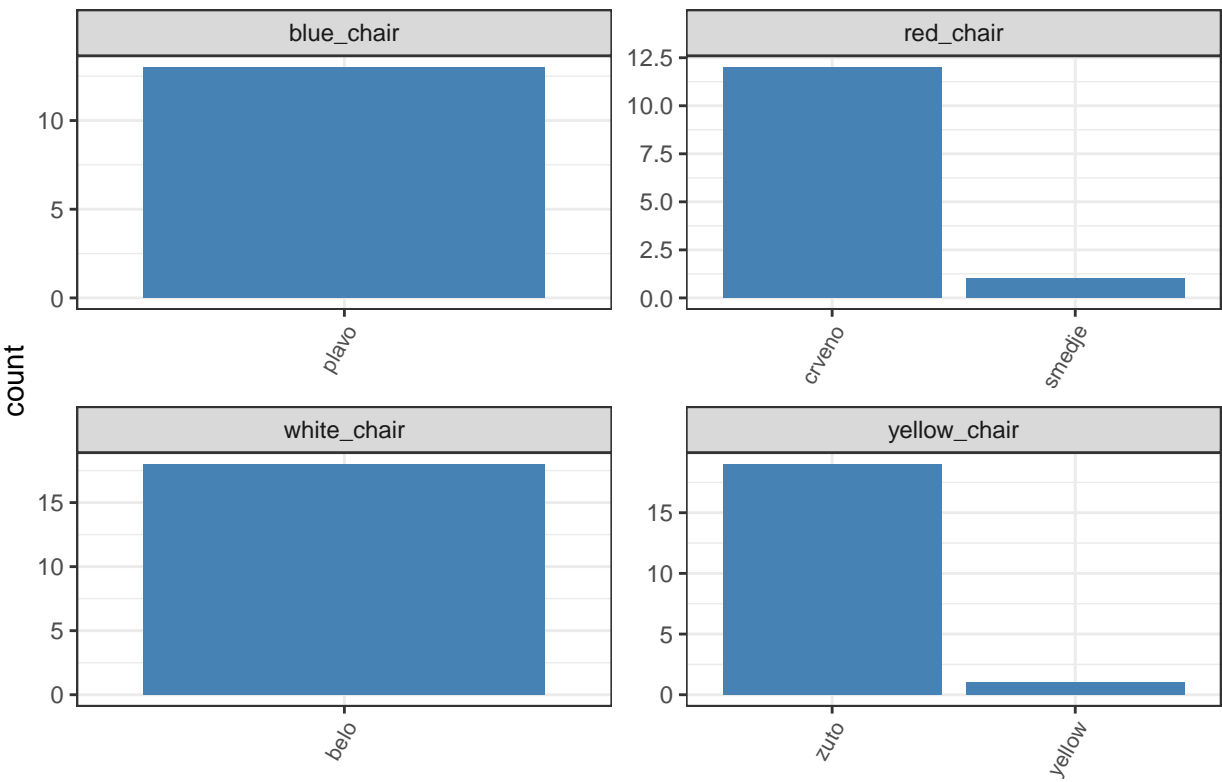
## cap



```
##  
## [[27]]
```

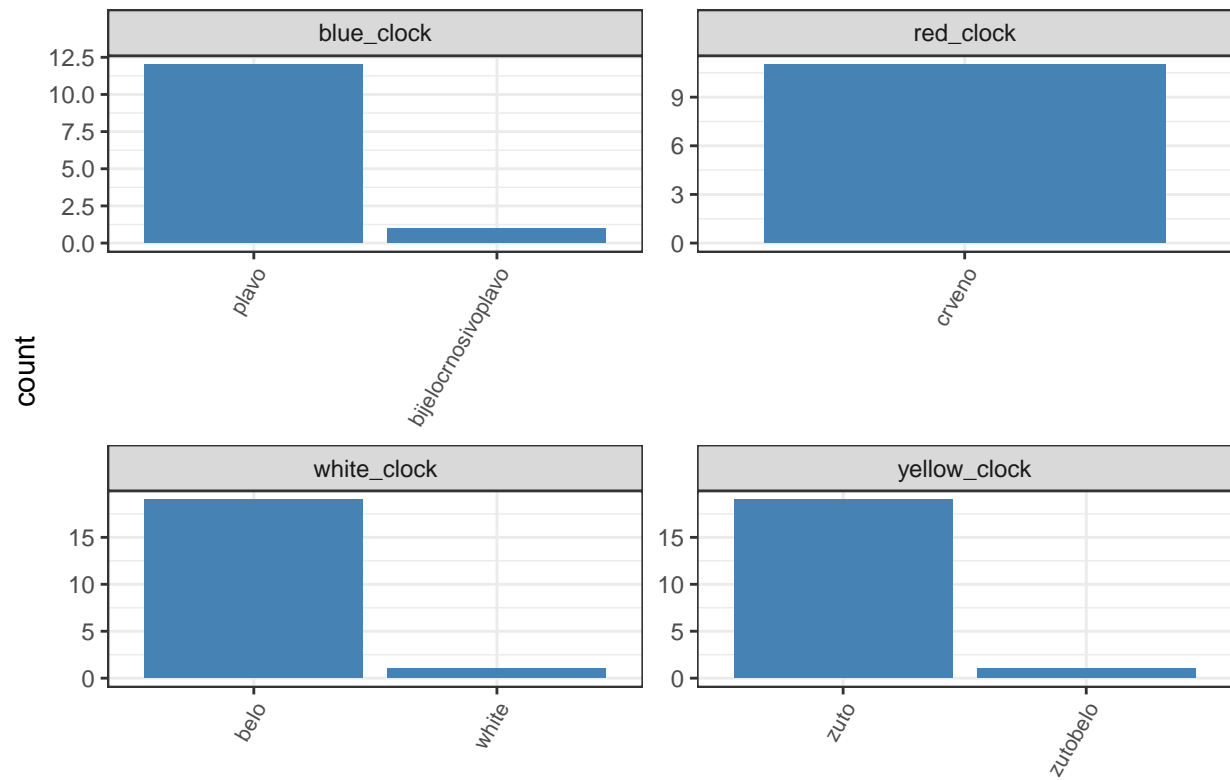


# chair



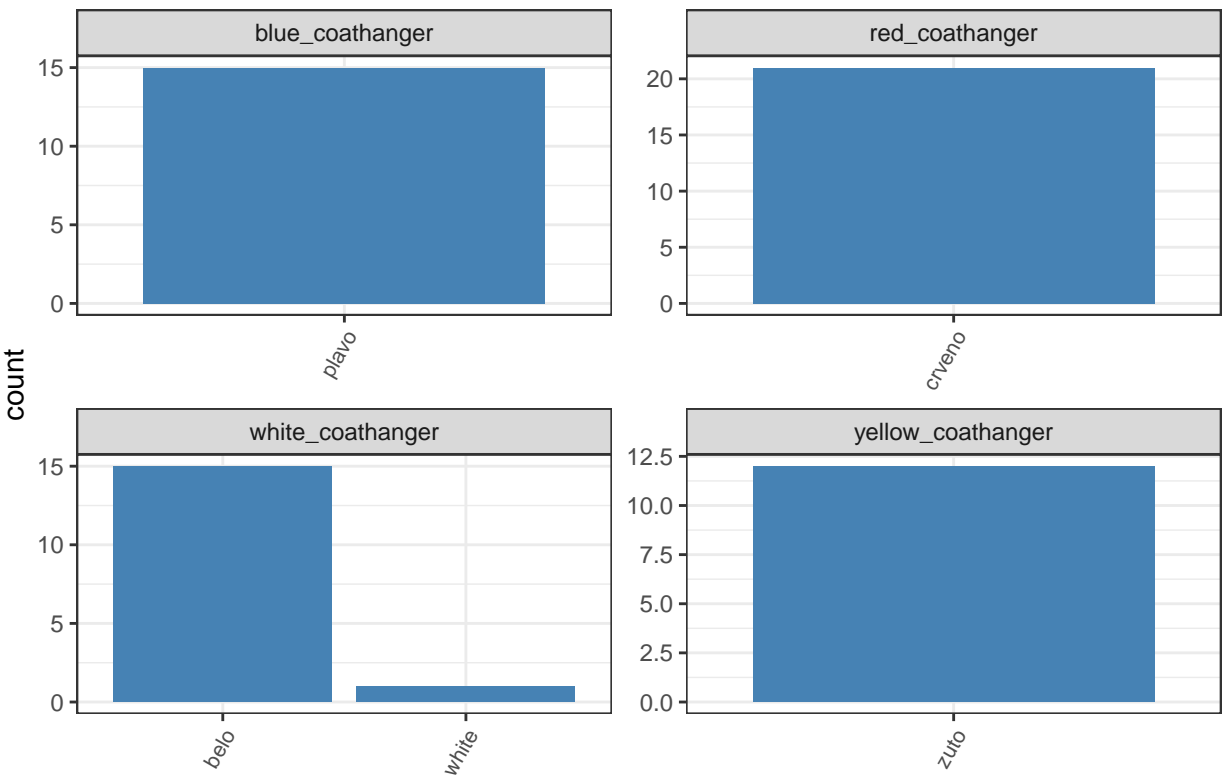
##  
## [[28]]

## clock



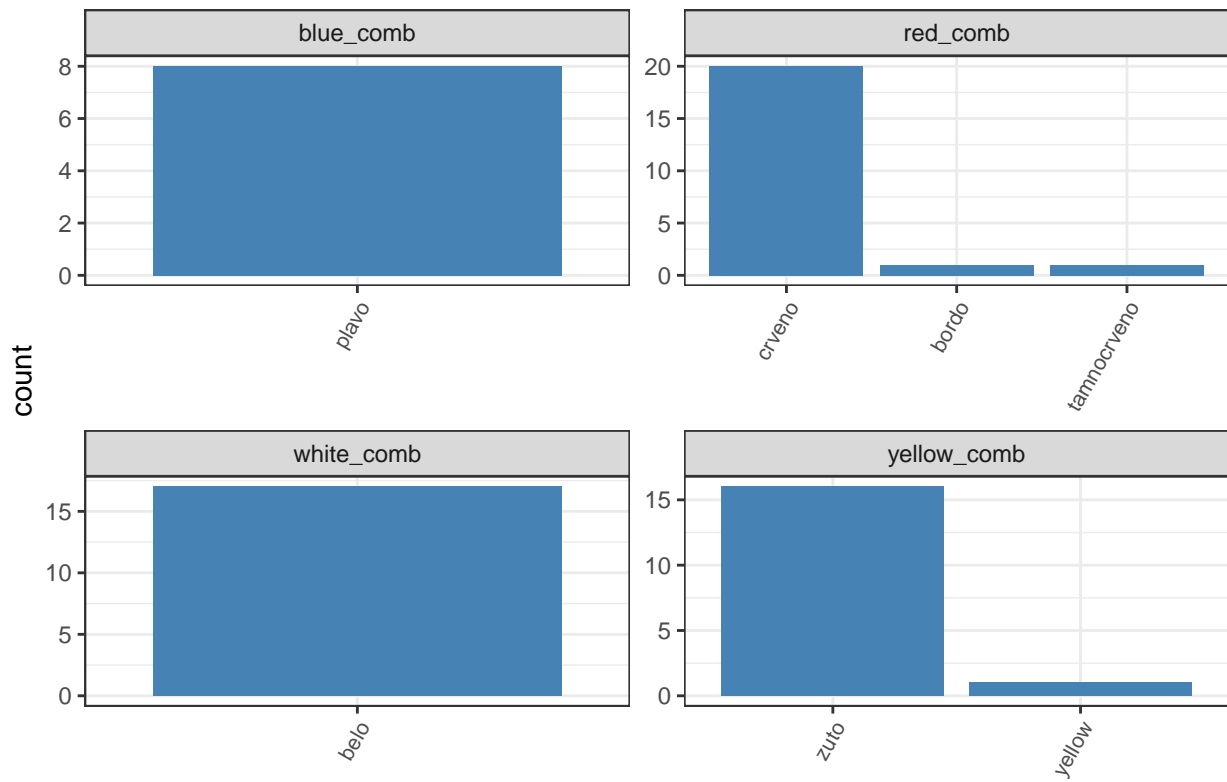
##  
## [[29]]

# coathanger



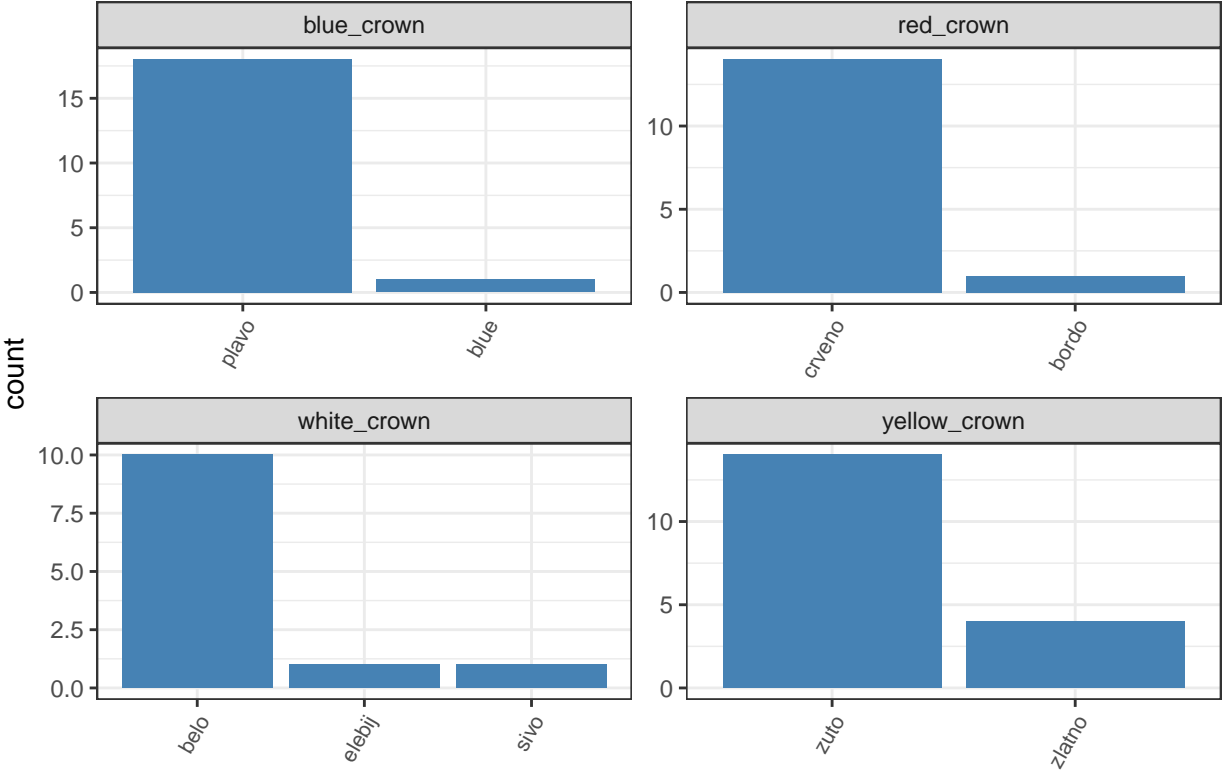
##  
## [[30]]

## comb



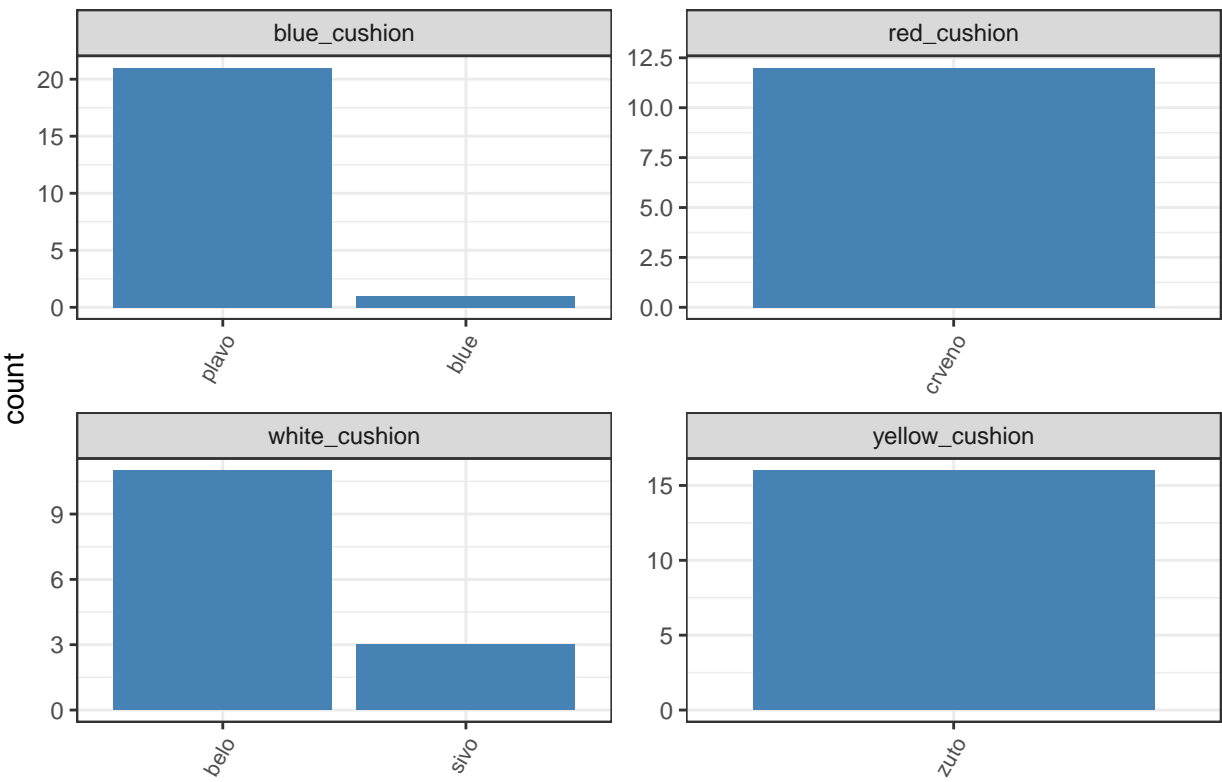
```
##  
## [[31]]
```

crown



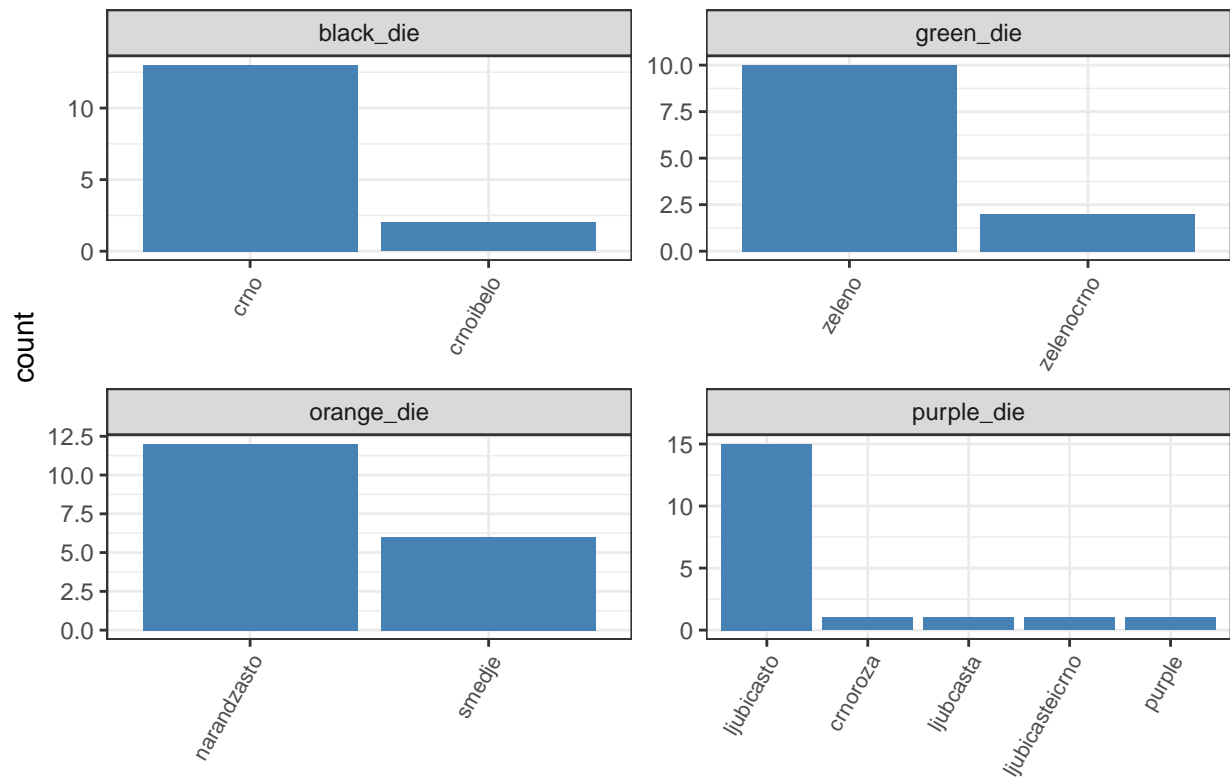
##  
## [[32]]

# cushion



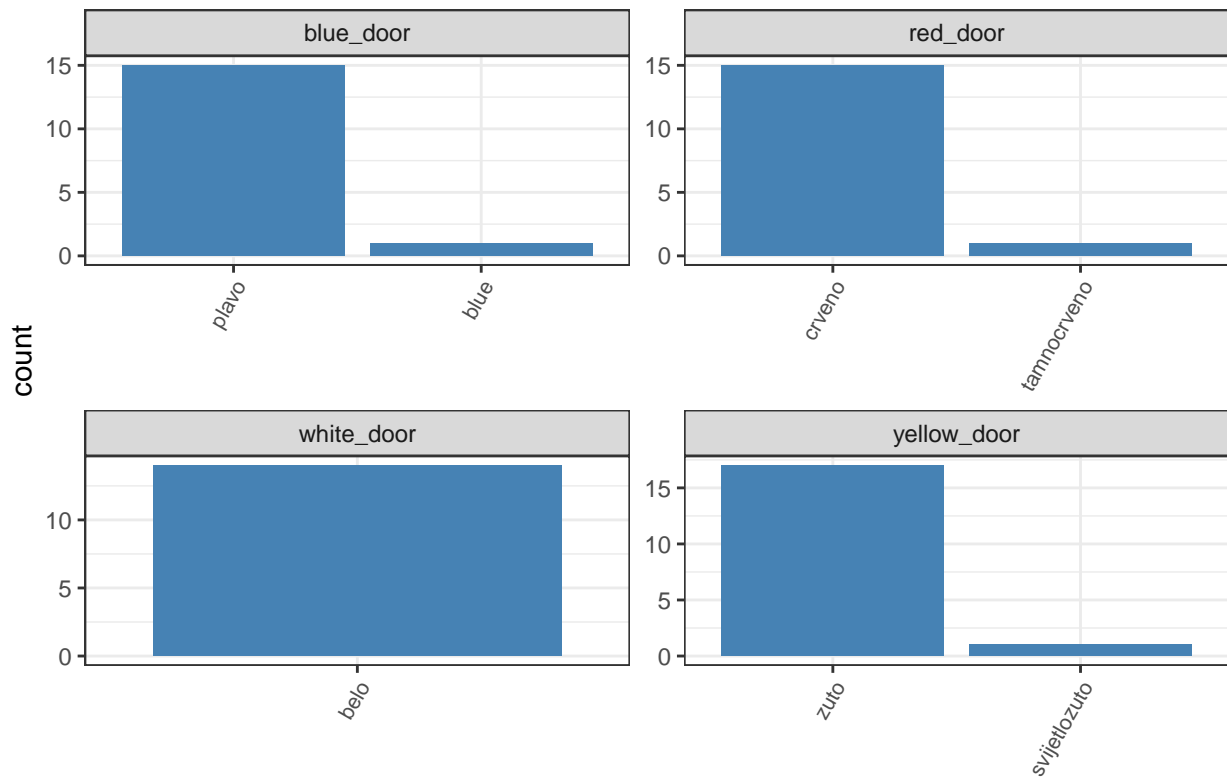
##  
## [[33]]

# die



##  
## [[34]]

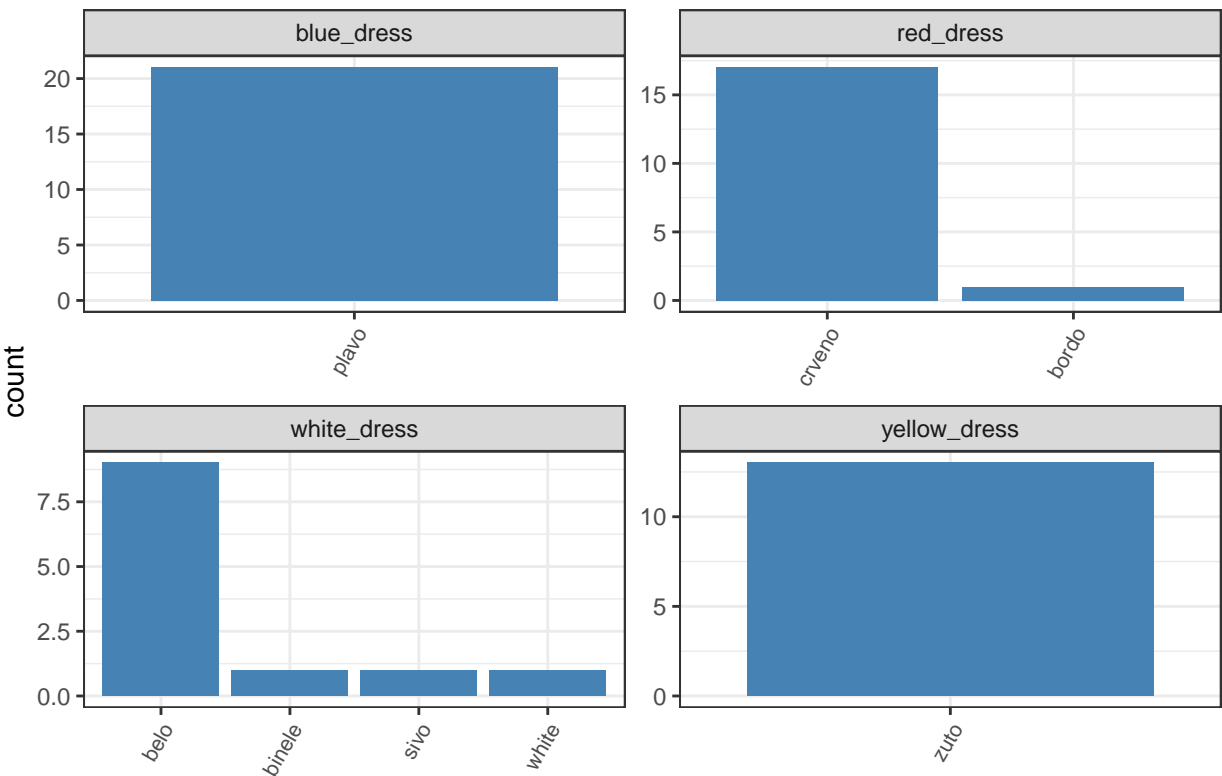
## door



```
##  
## [[35]]
```

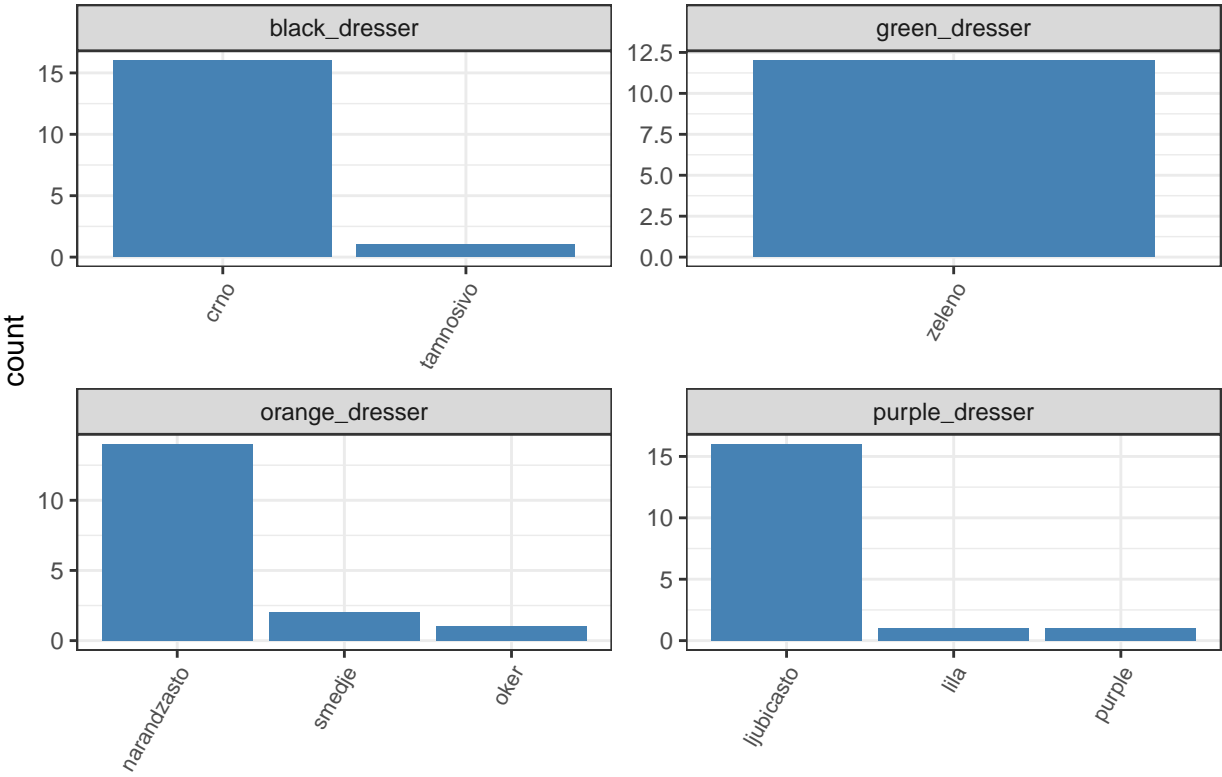


# dress



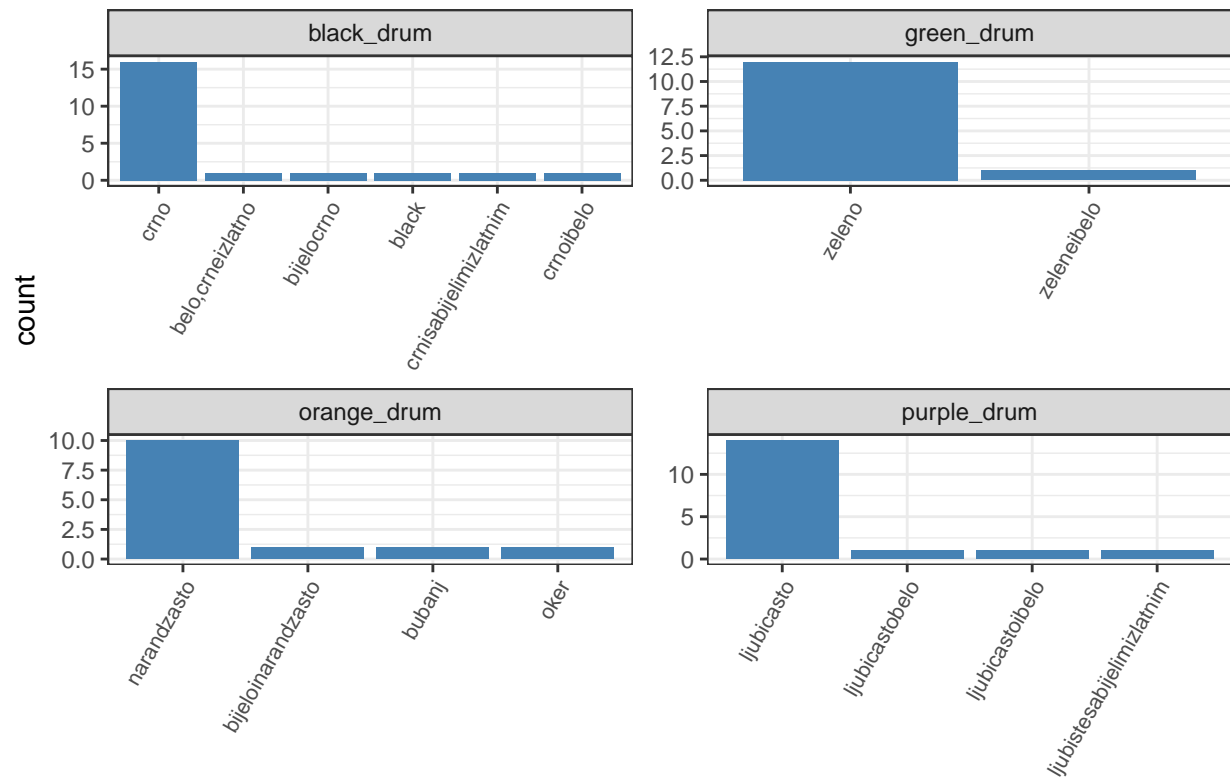
##  
## [[36]]

# dresser



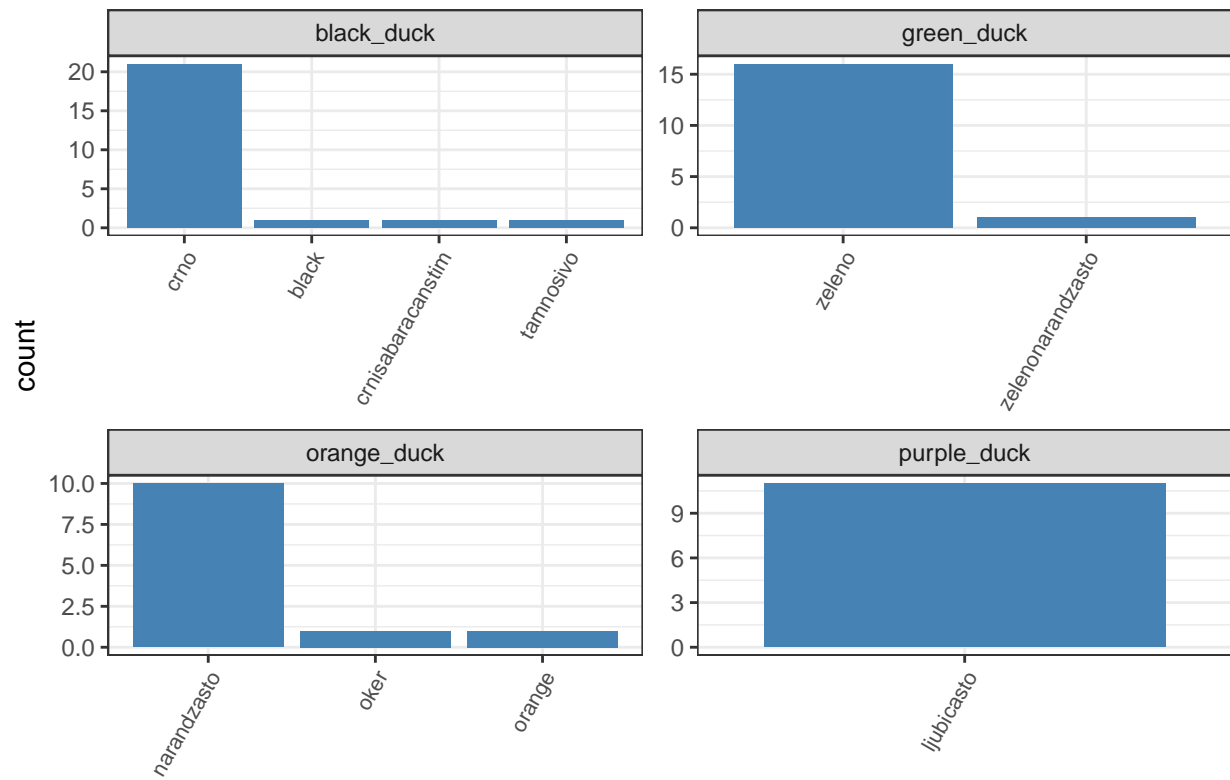
##  
## [[37]]

## drum



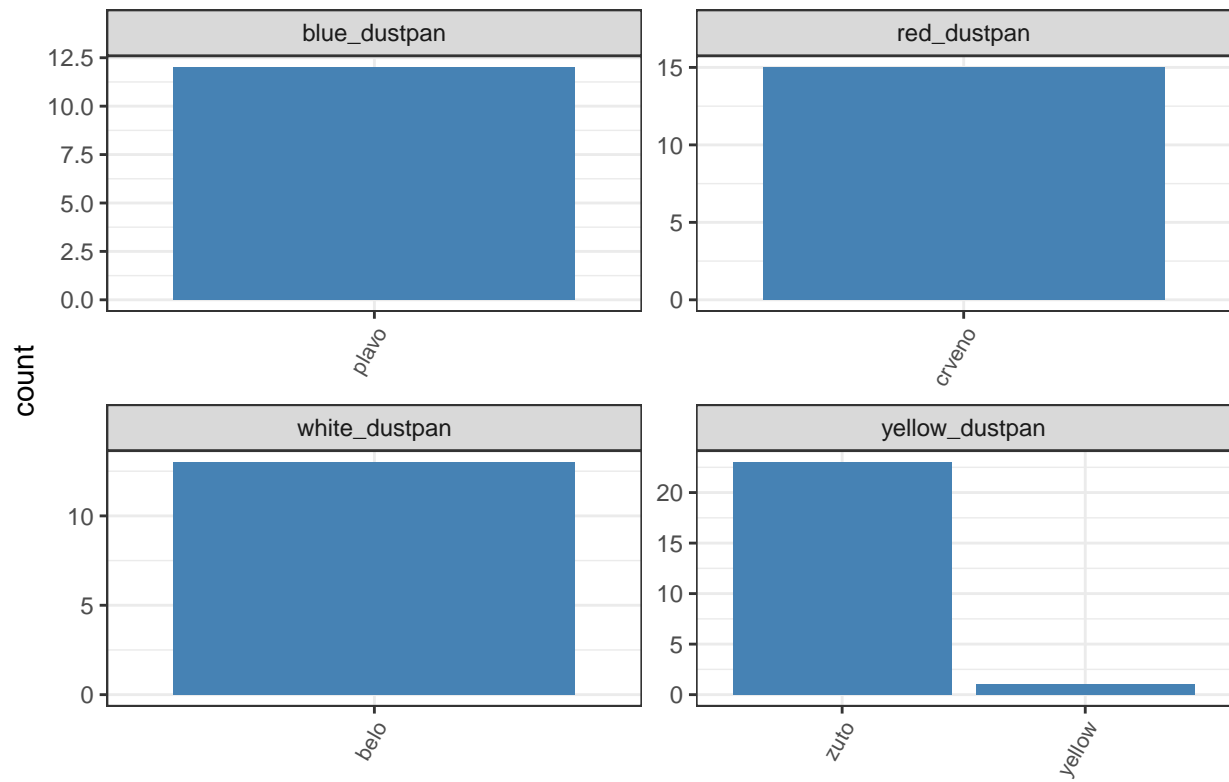
##  
## [[38]]

# duck



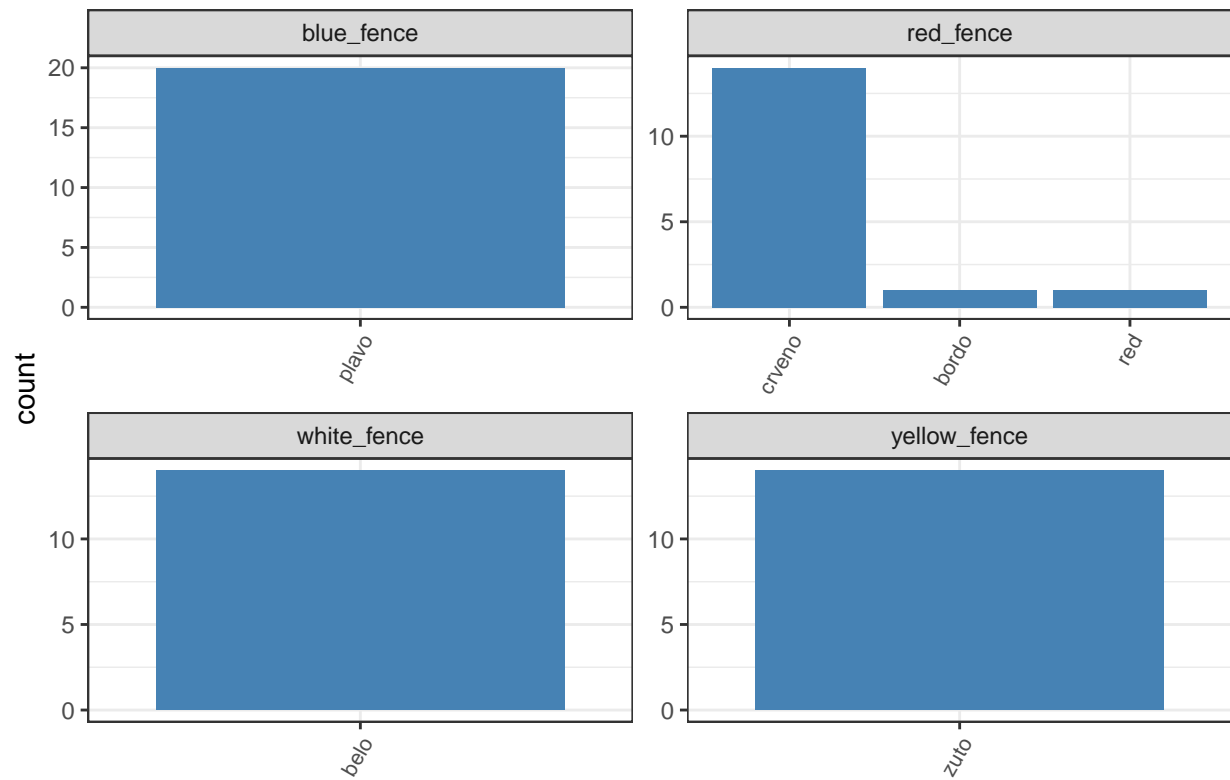
##  
## [[39]]

# dustpan



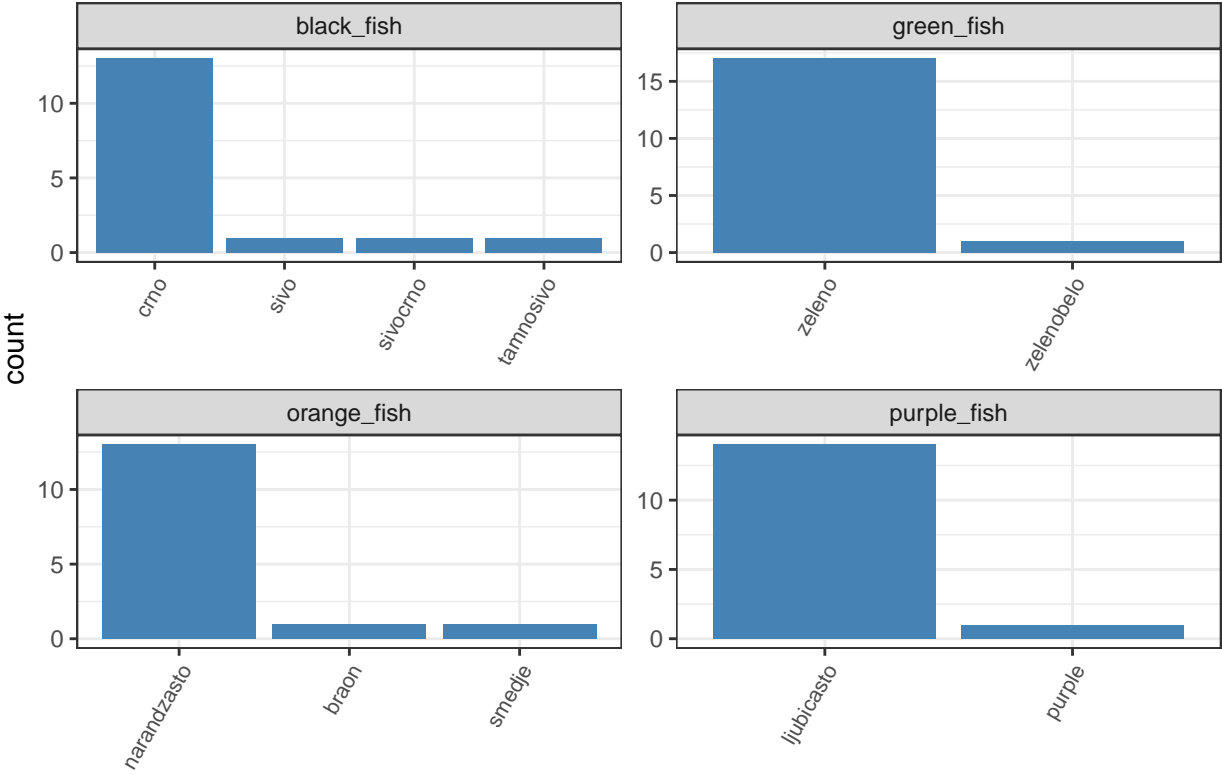
```
##  
## [[40]]
```

# fence



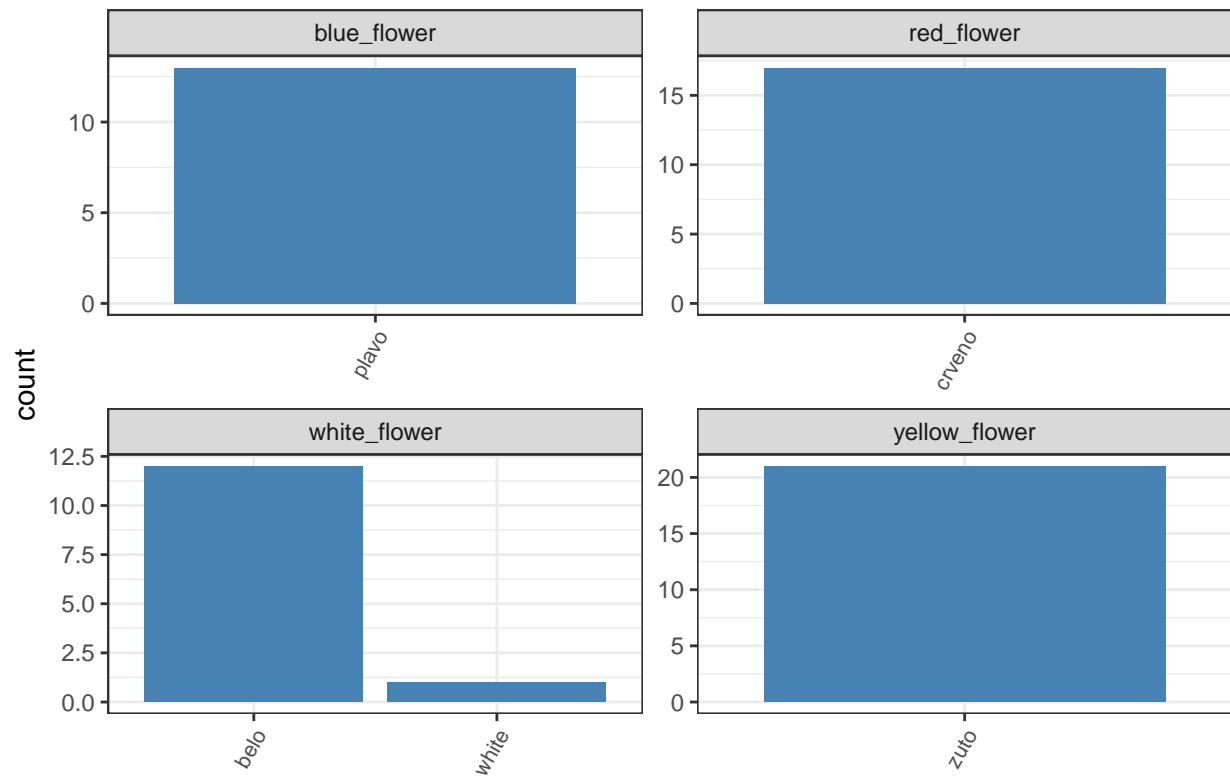
```
##  
## [[41]]
```

# fish



##  
## [[42]]

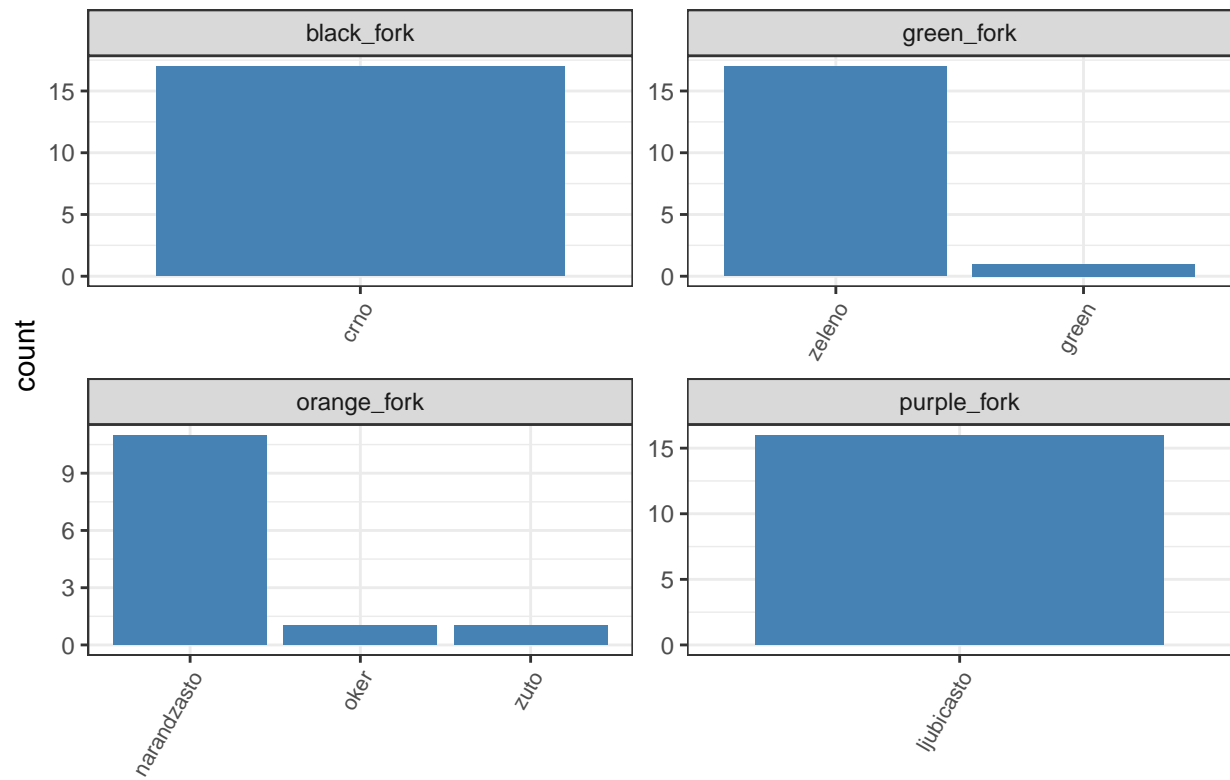
# flower



```
##  
## [[43]]
```

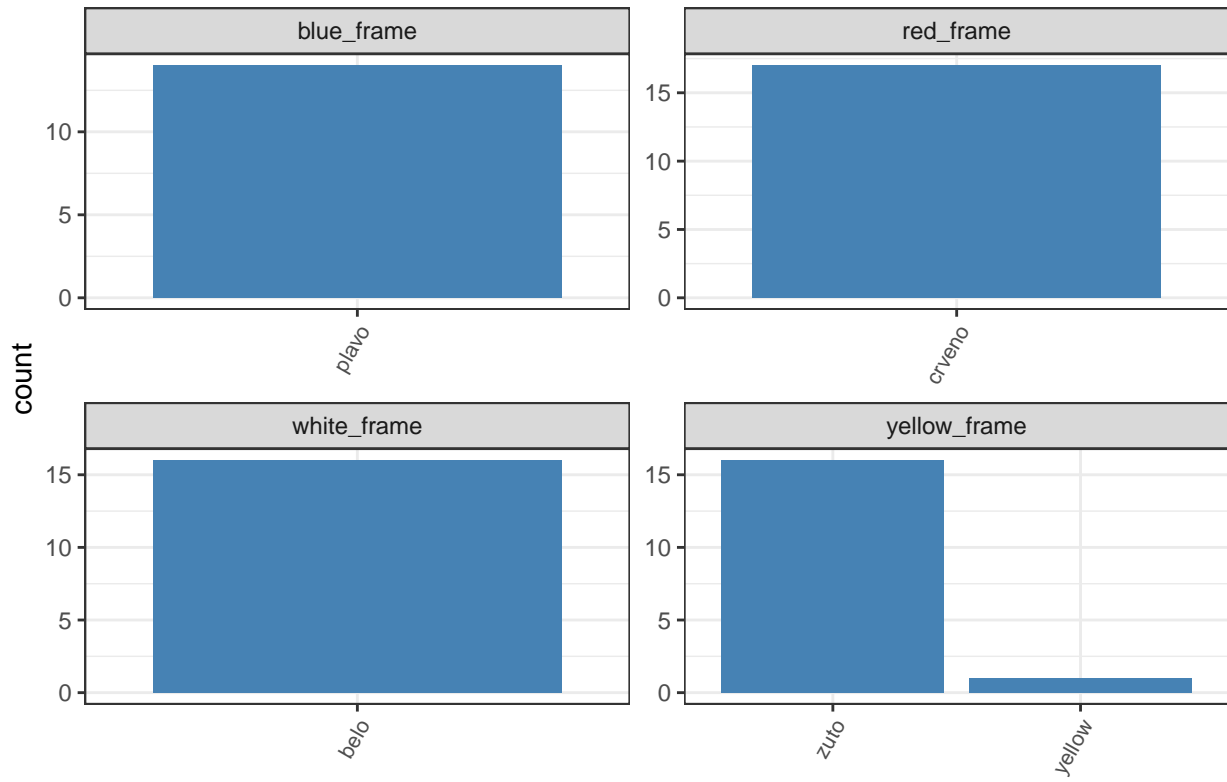


# fork



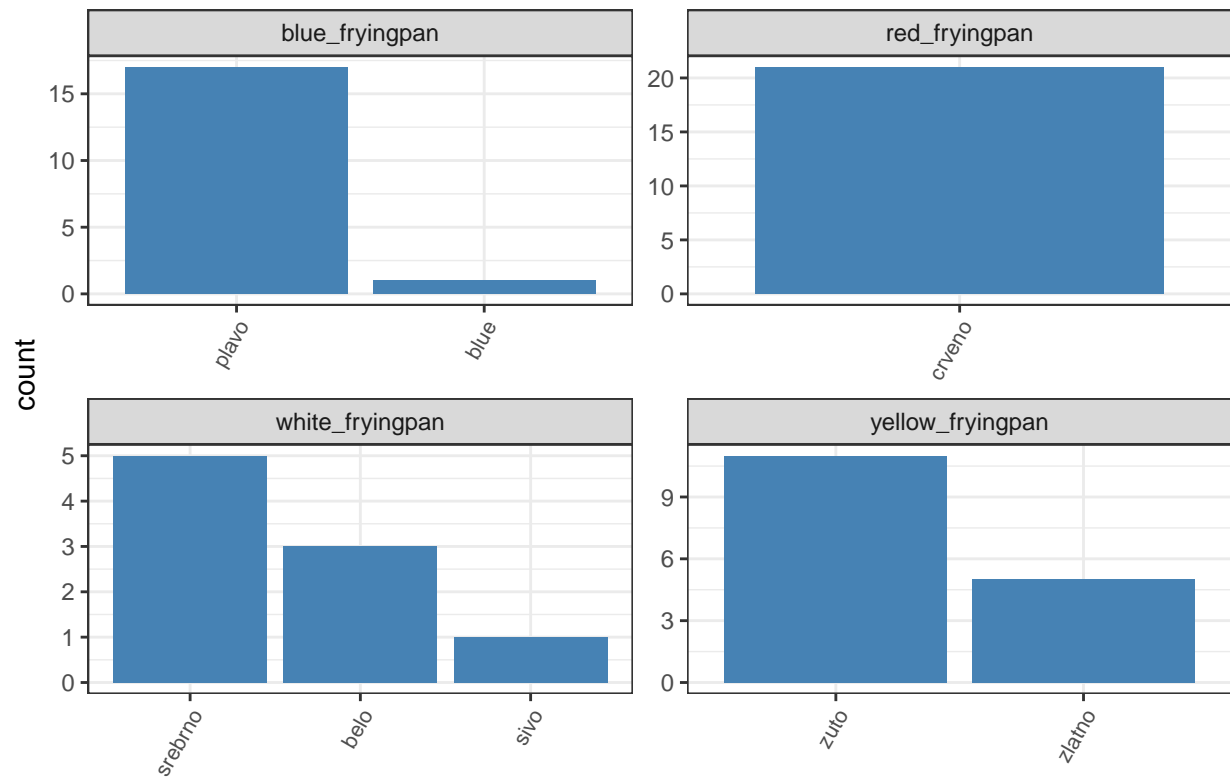
##  
## [[44]]

# frame



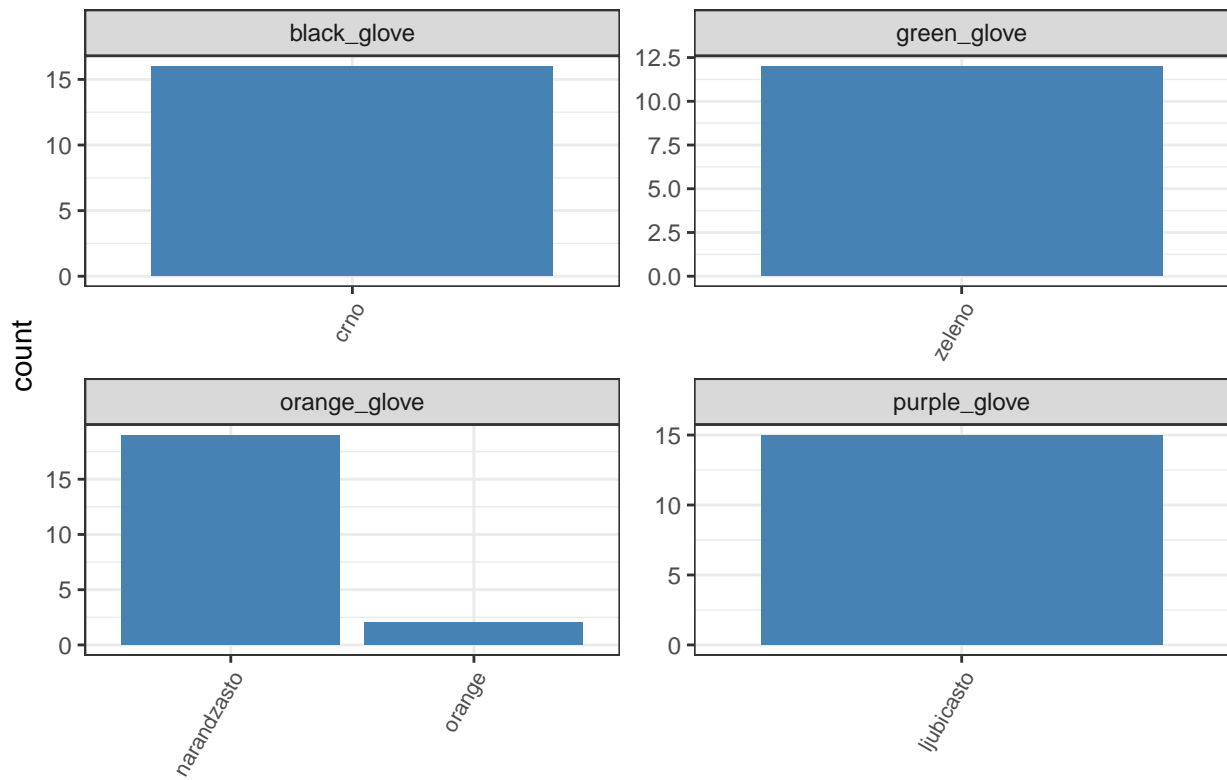
```
##  
## [[45]]
```

# fryingpan



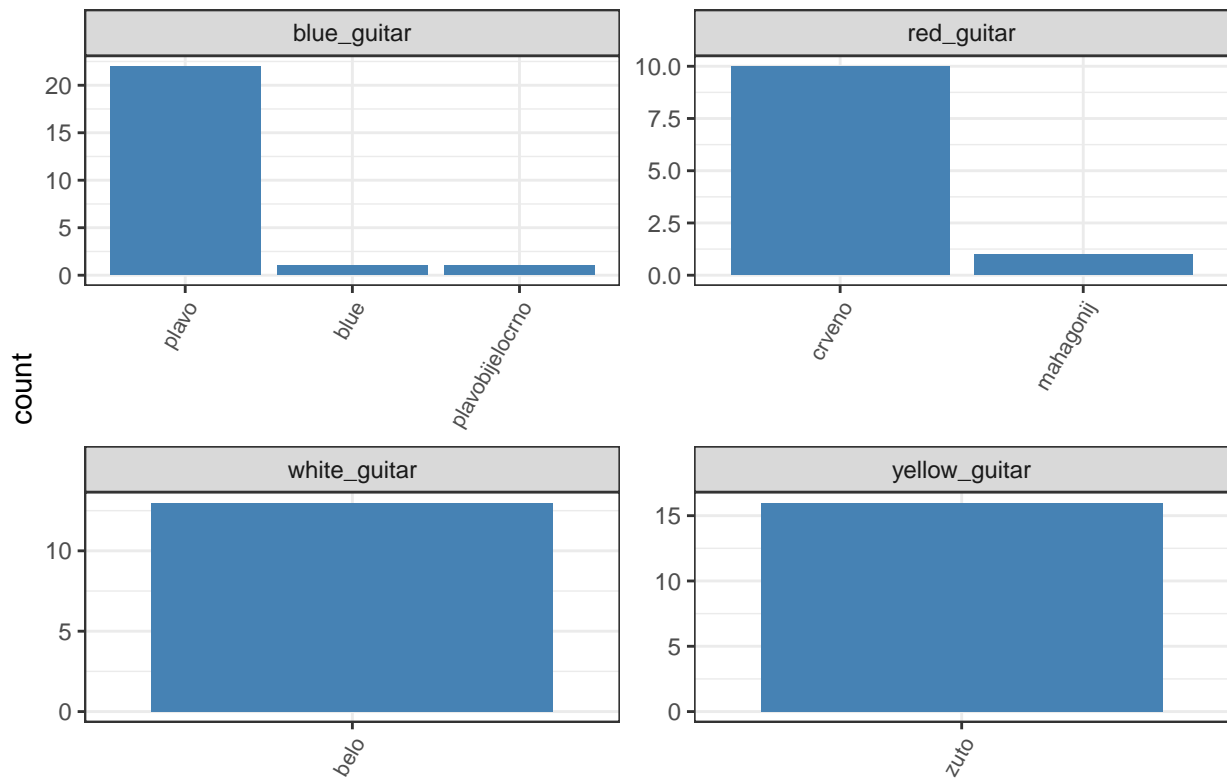
##  
## [[46]]

# glove



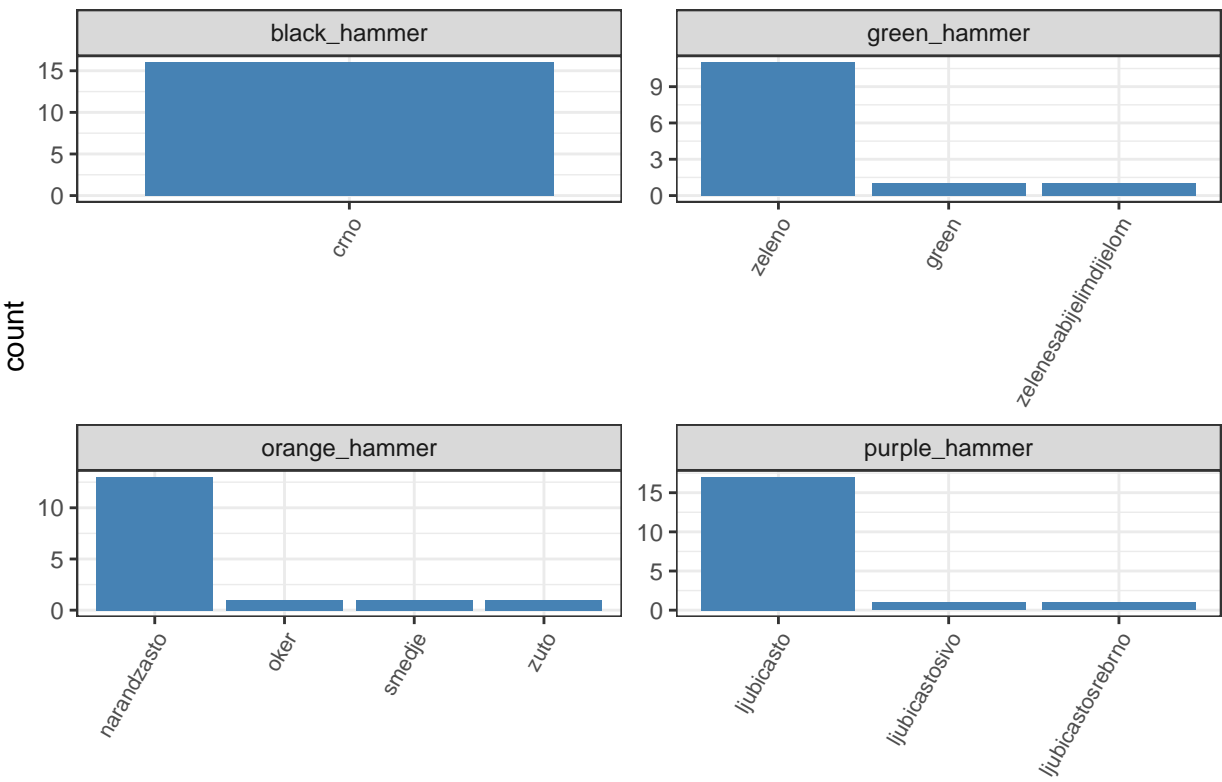
##  
## [[47]]

## guitar



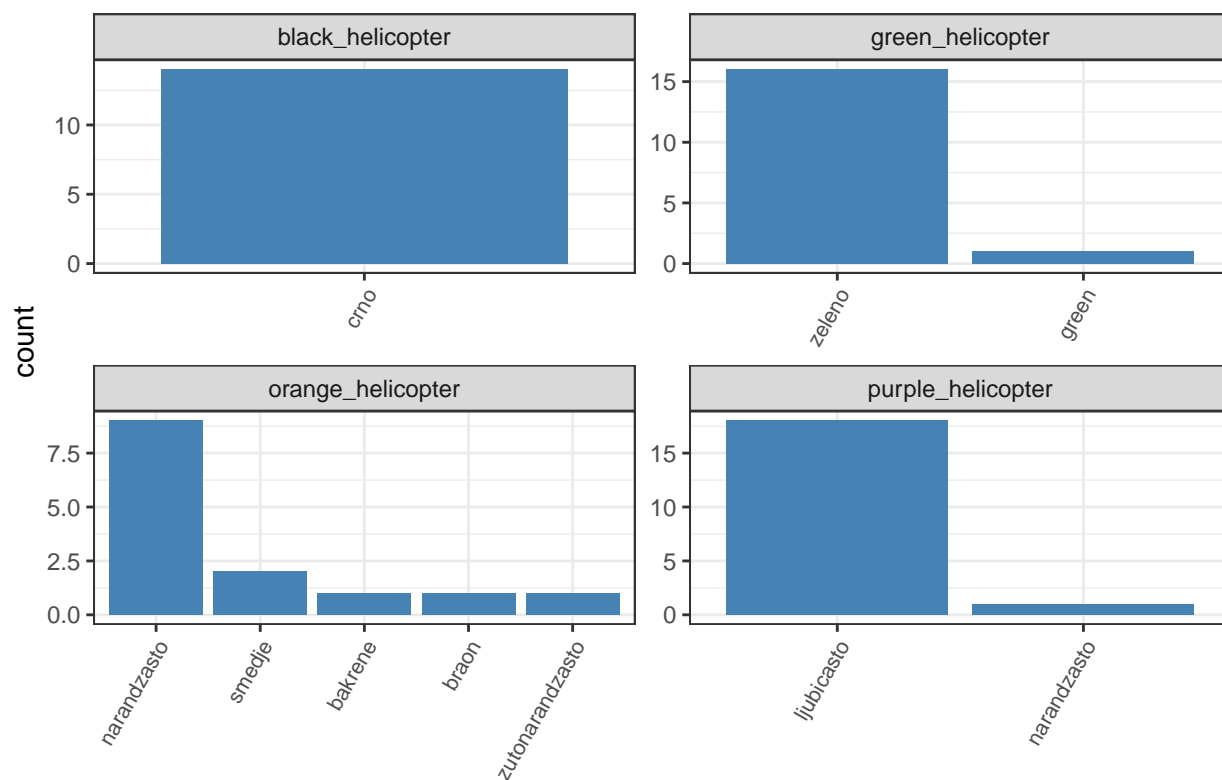
```
##  
## [[48]]
```

# hammer



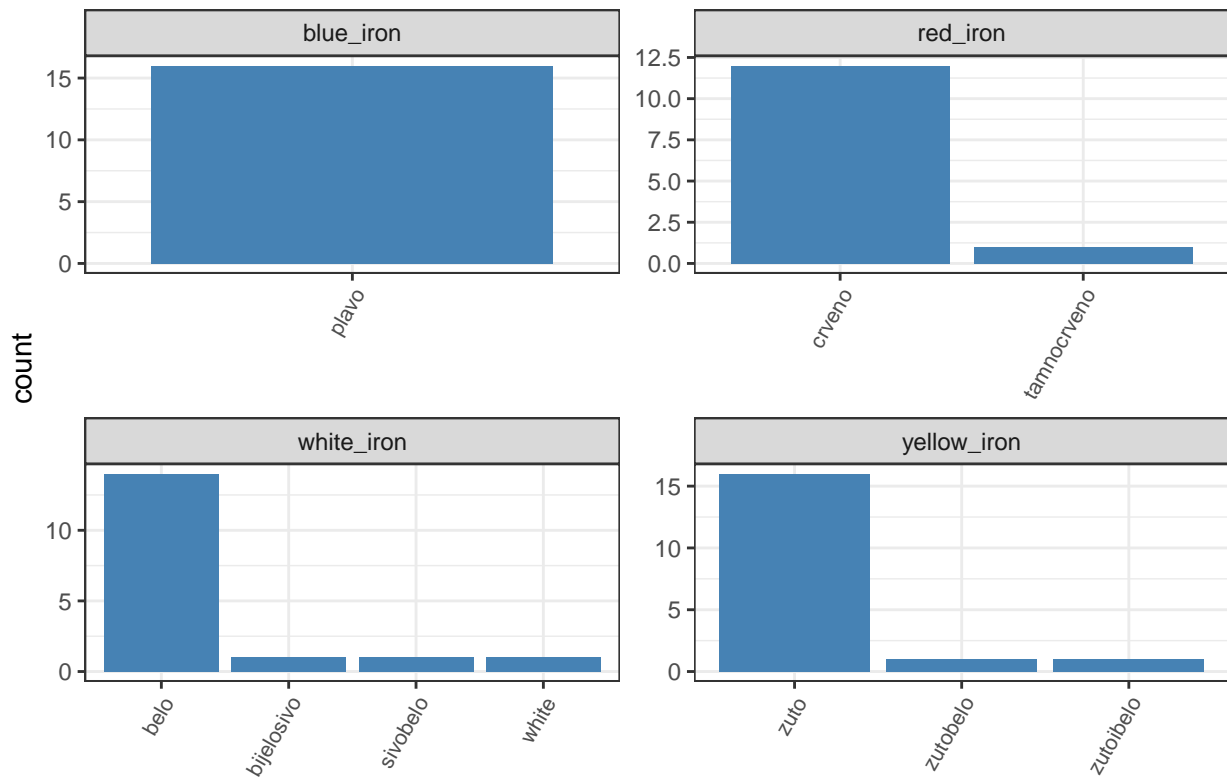
##  
## [[49]]

# helicopter



##  
## [[50]]

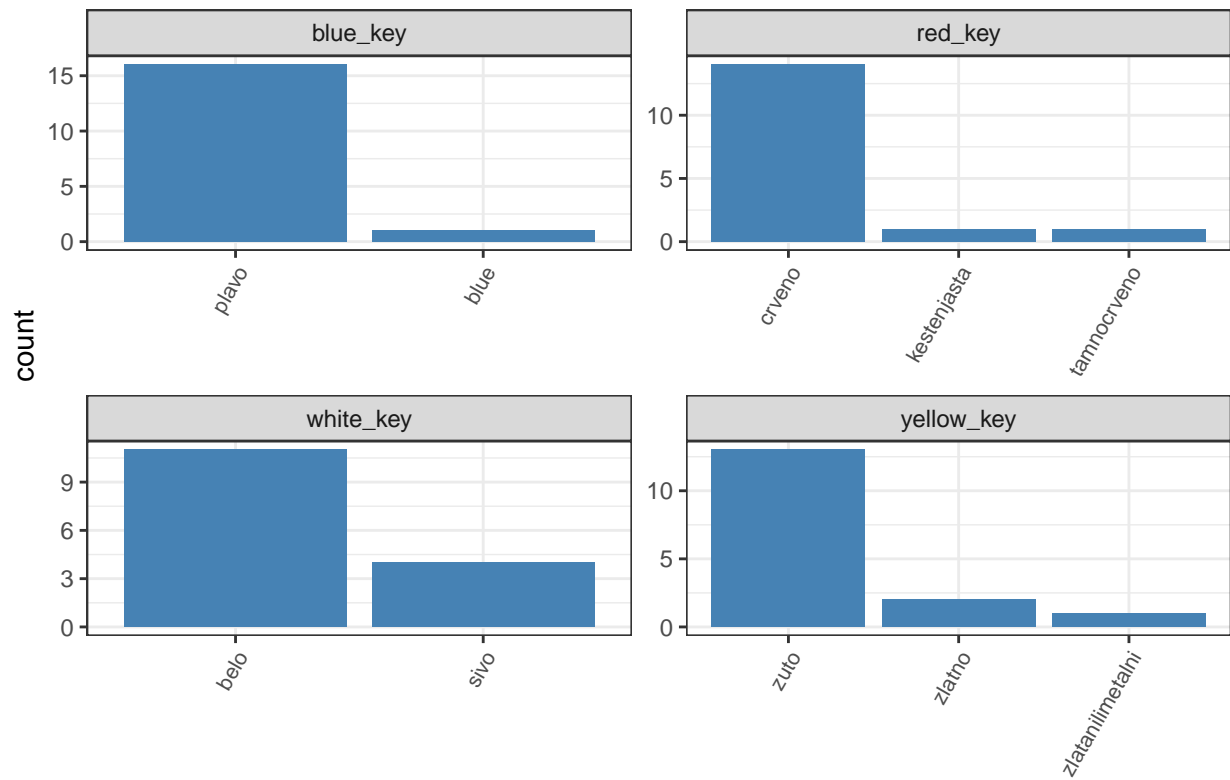
## iron



##  
## [[51]]

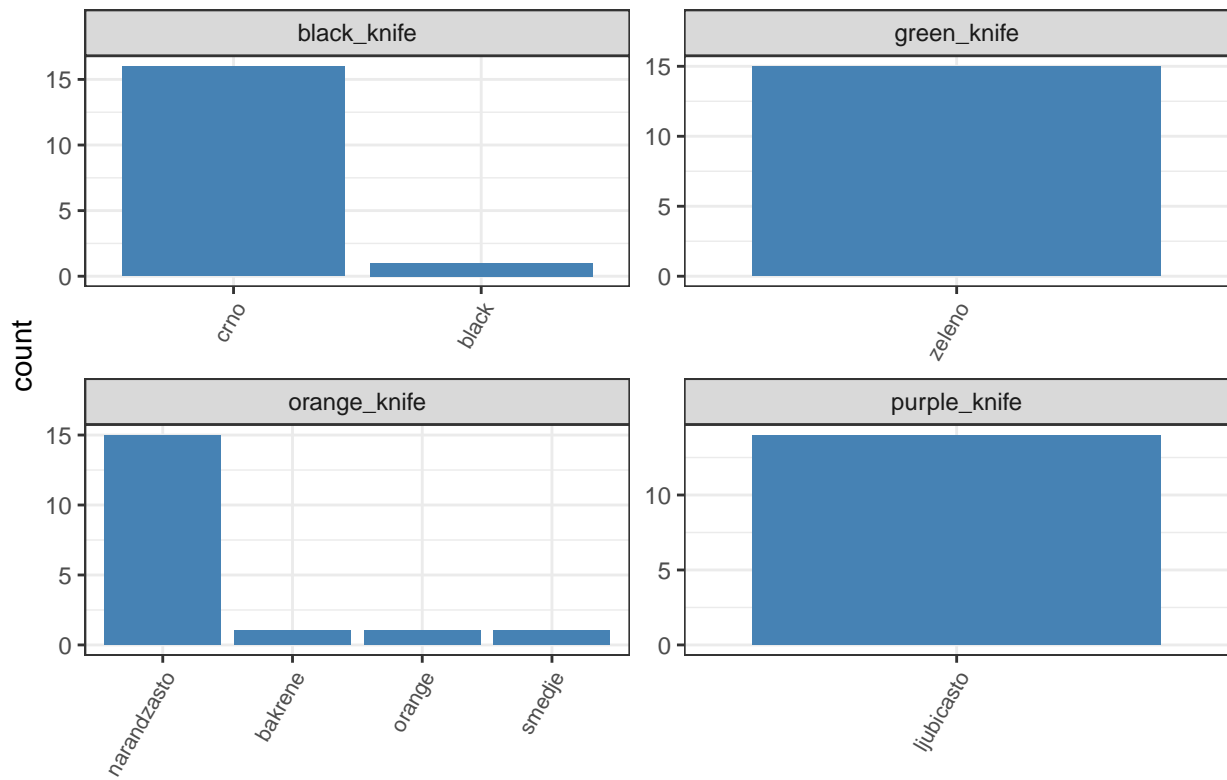


# key



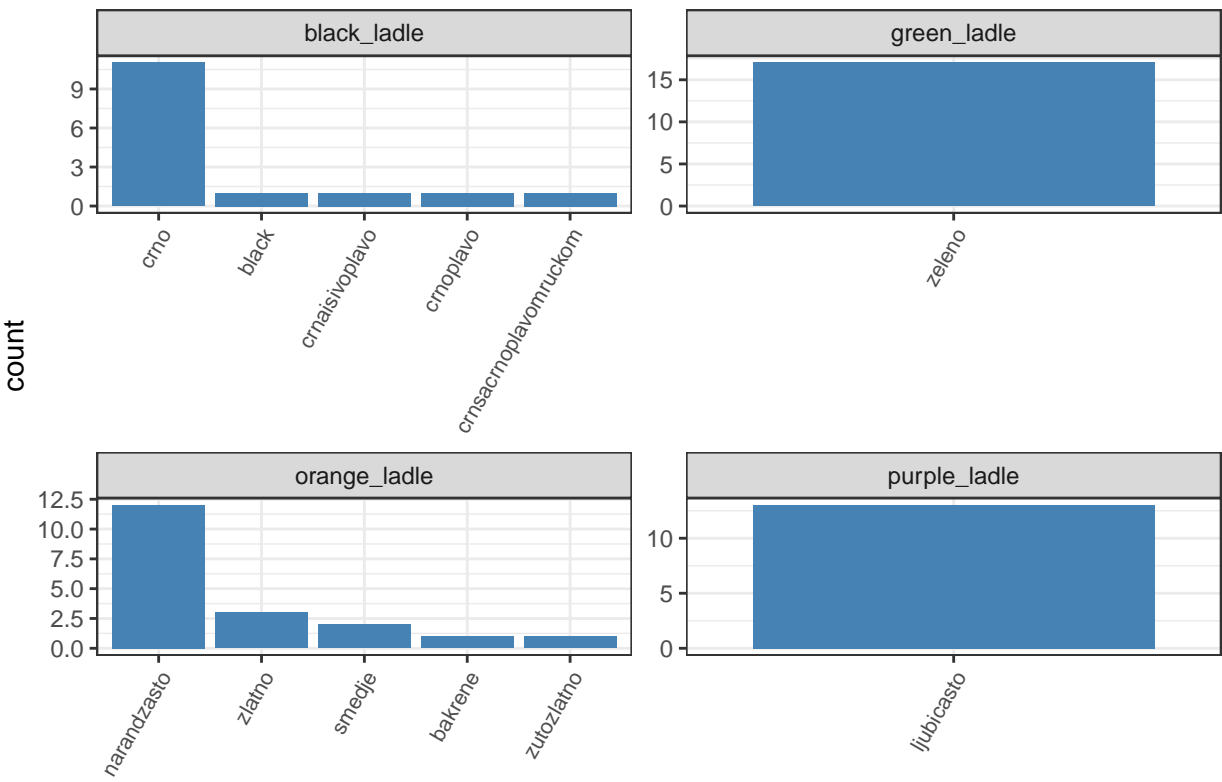
##  
## [[52]]

# knife



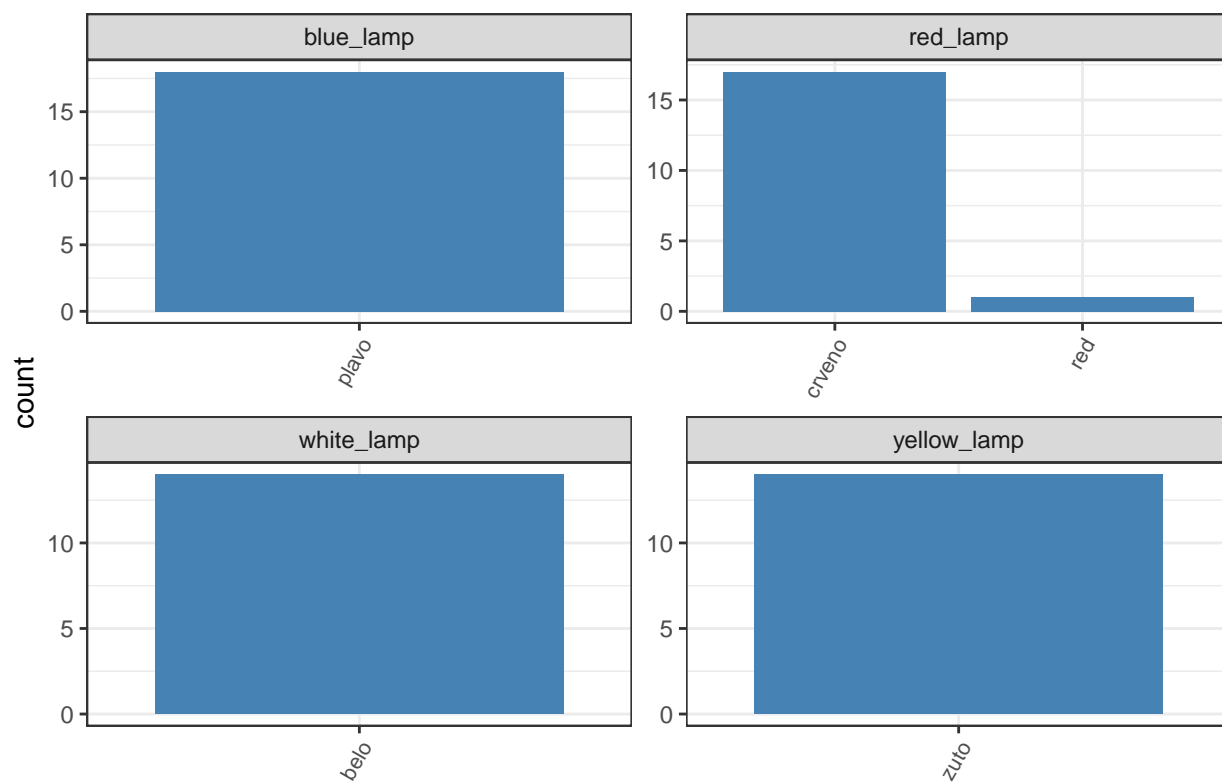
##  
## [[53]]

# ladle



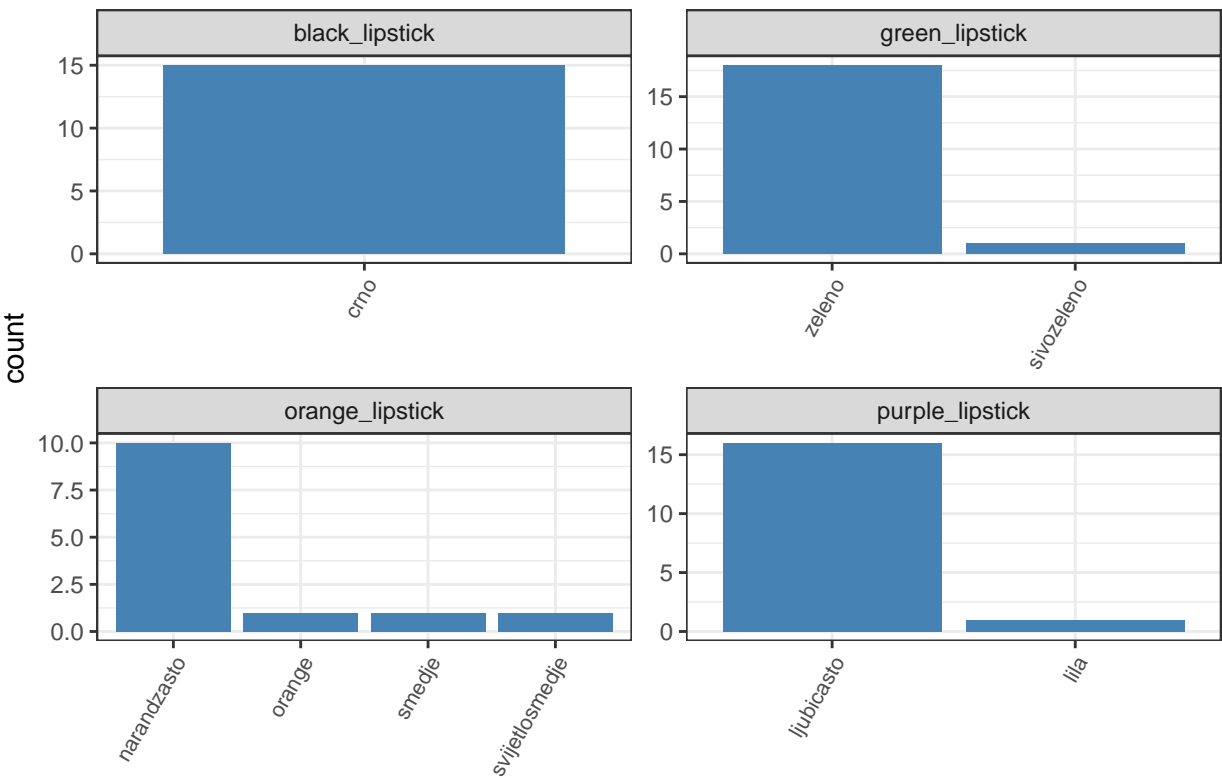
##  
## [[54]]

# lamp



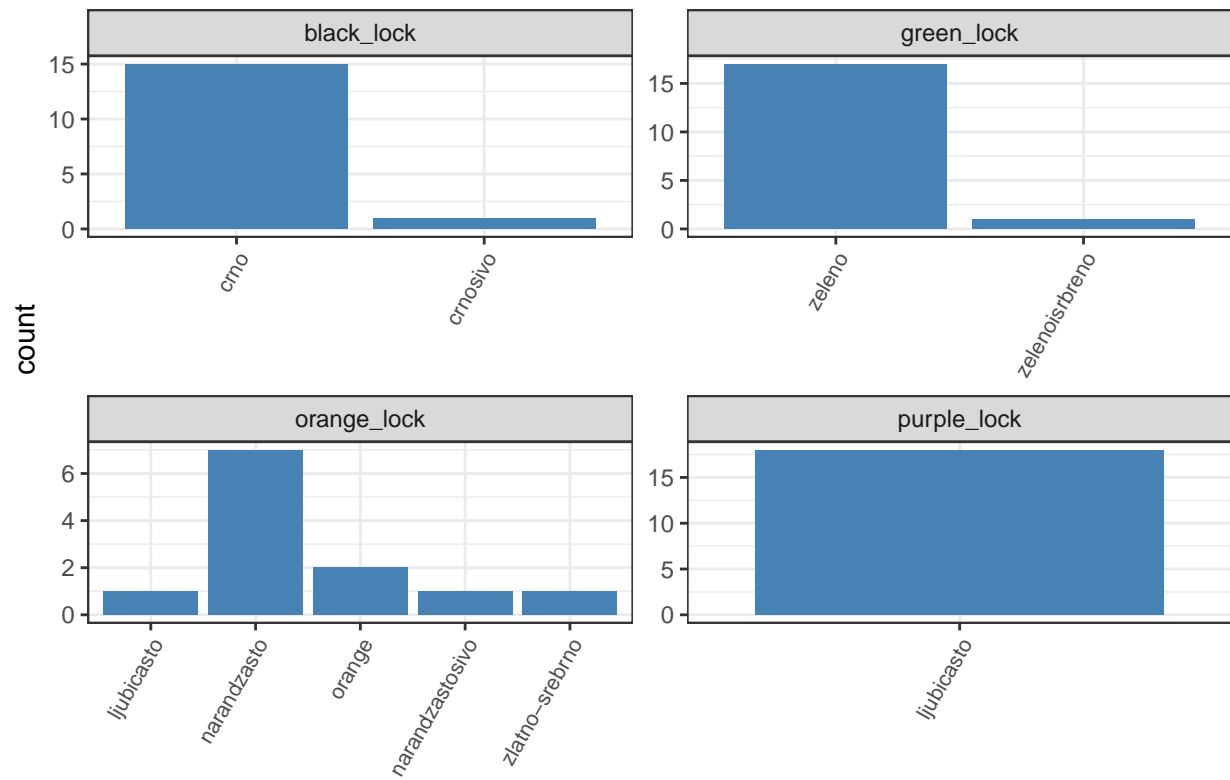
##  
## [[55]]

# lipstick



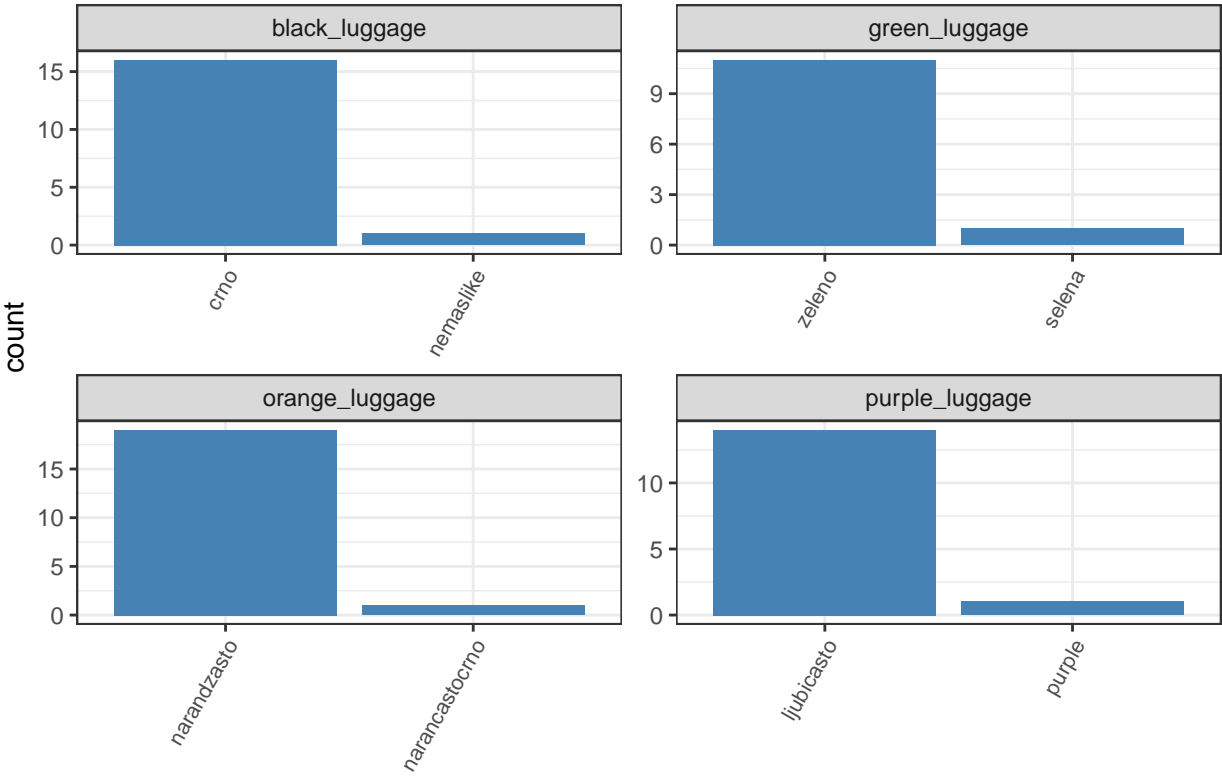
##  
## [[56]]

# lock



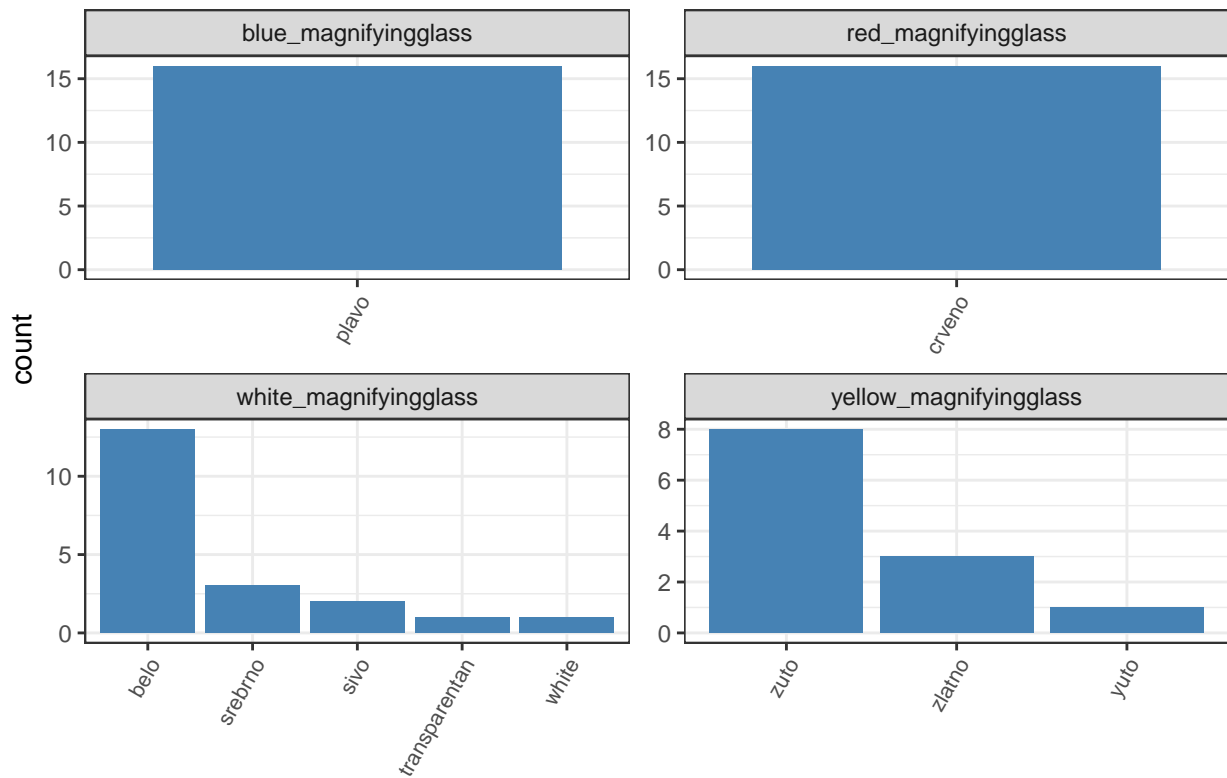
##  
## [[57]]

# luggage



##  
## [[58]]

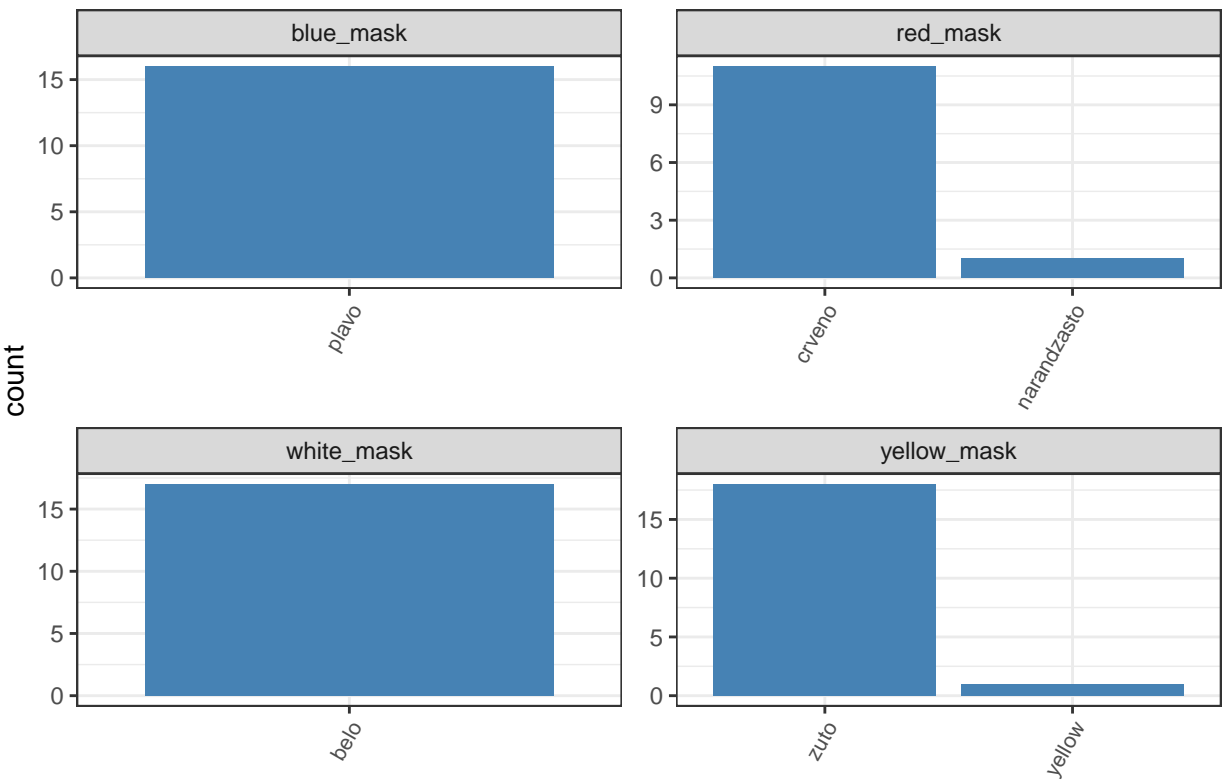
# magnifyingglass



```
##  
## [[59]]
```

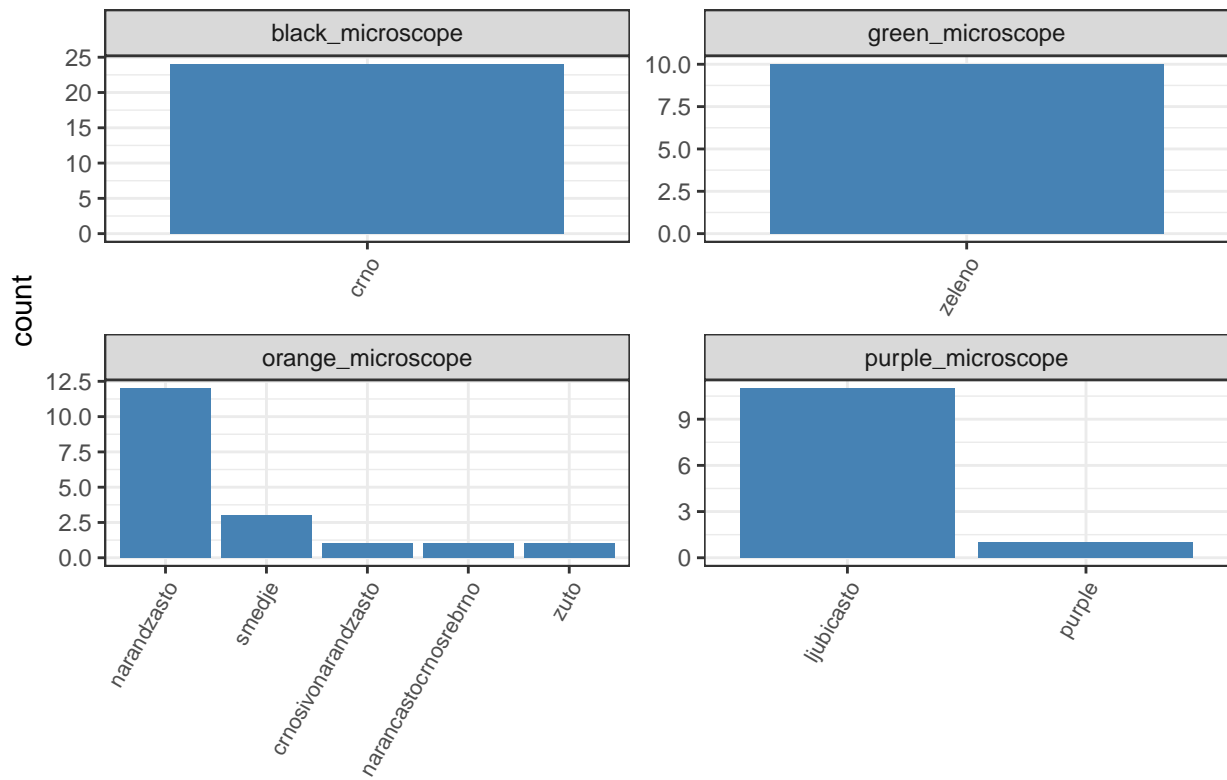


# mask



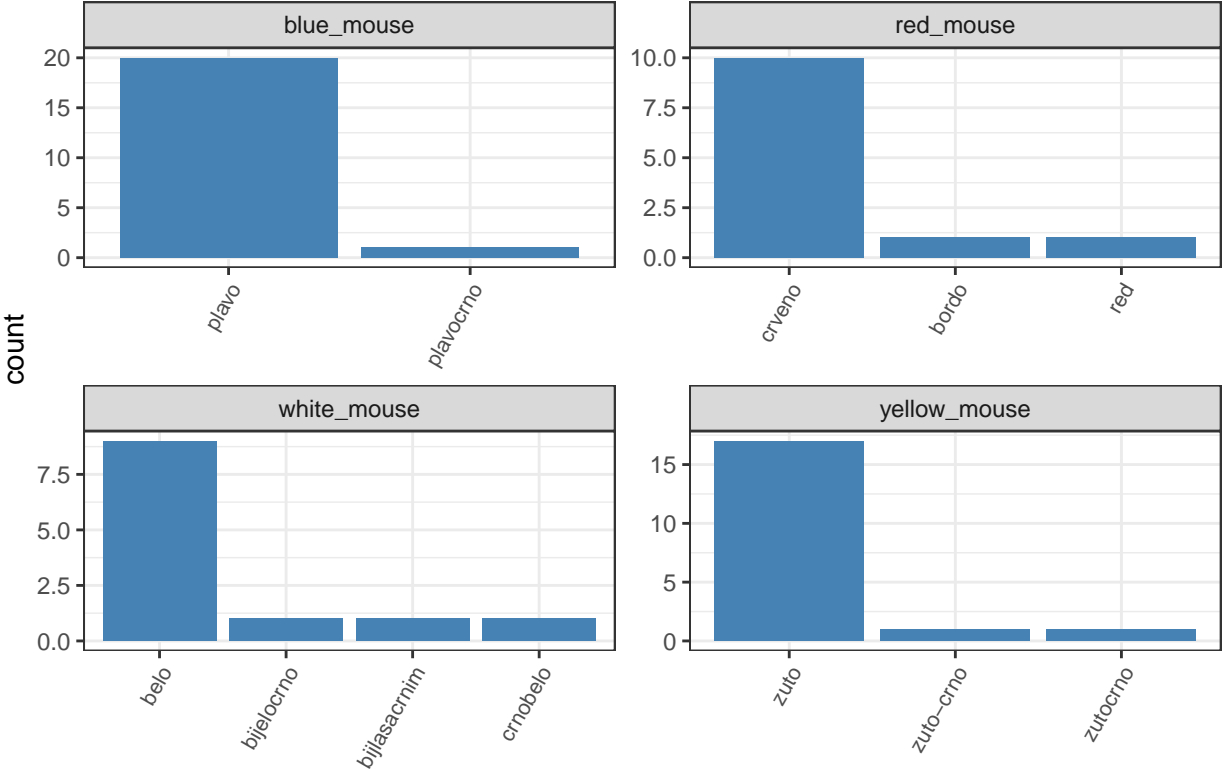
##  
## [[60]]

# microscope



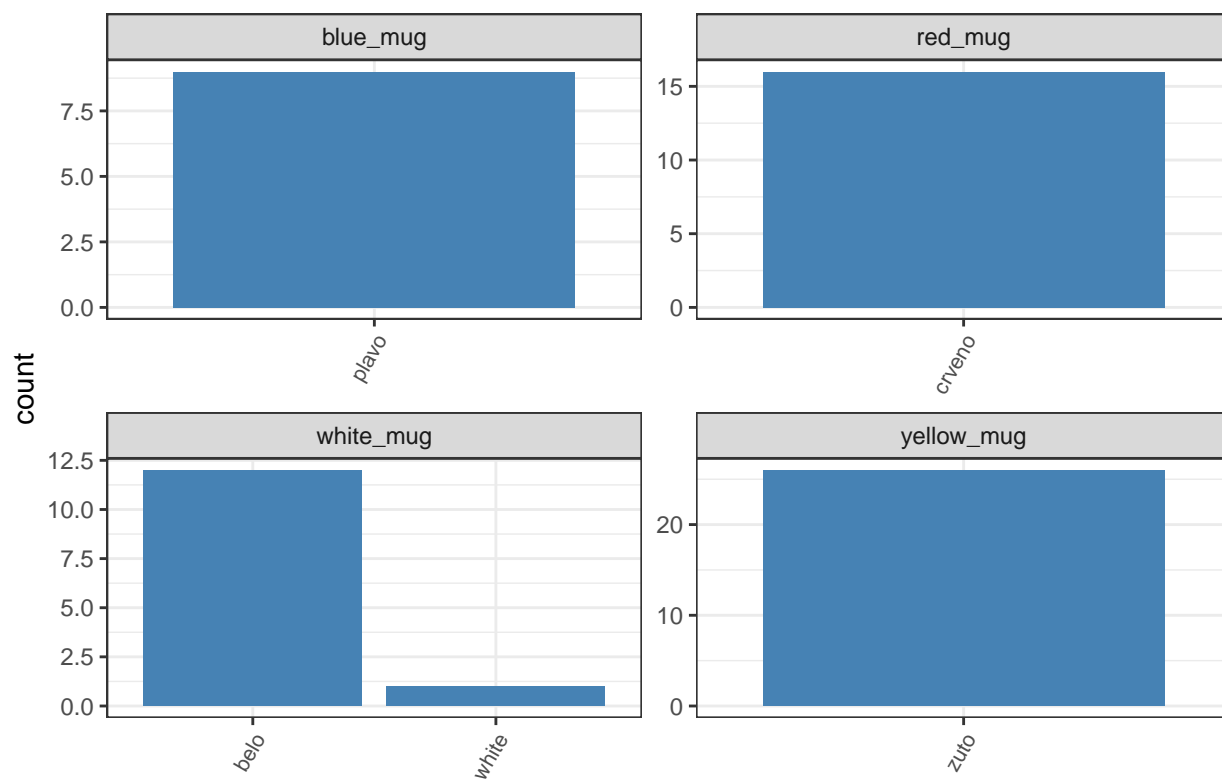
##  
## [[61]]

# mouse



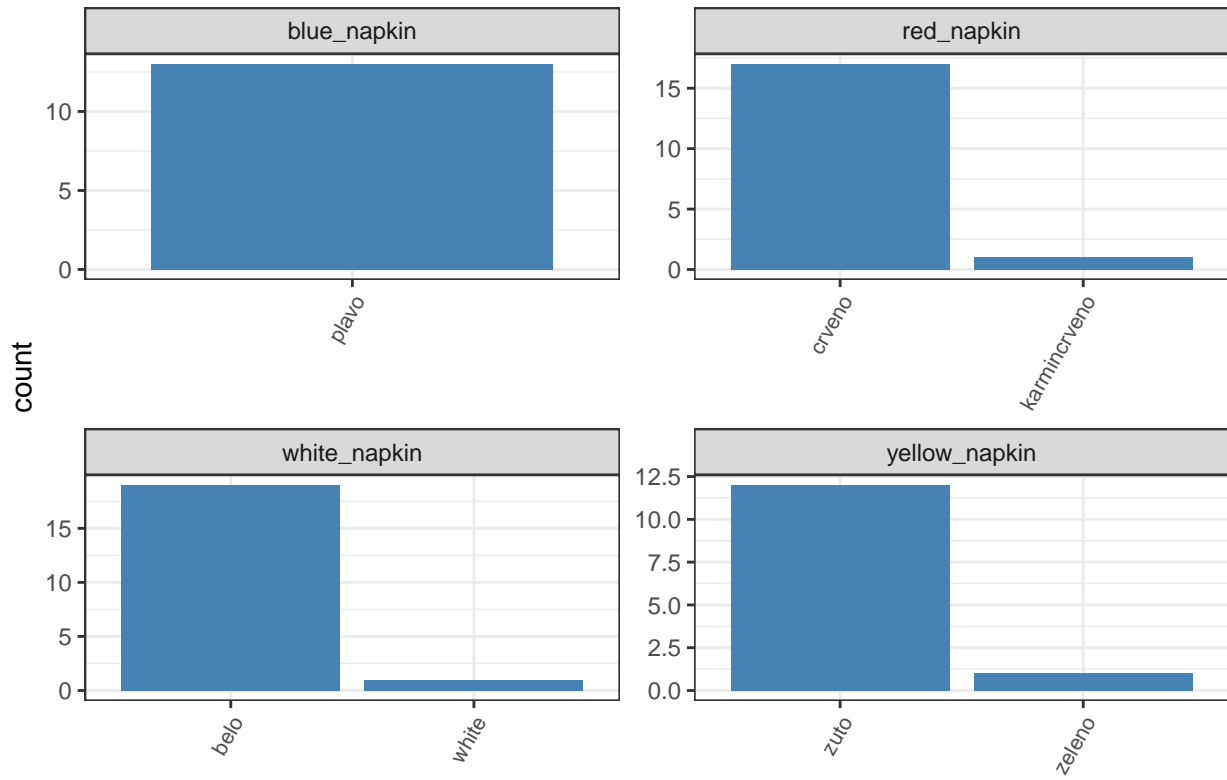
##  
## [[62]]

## mug



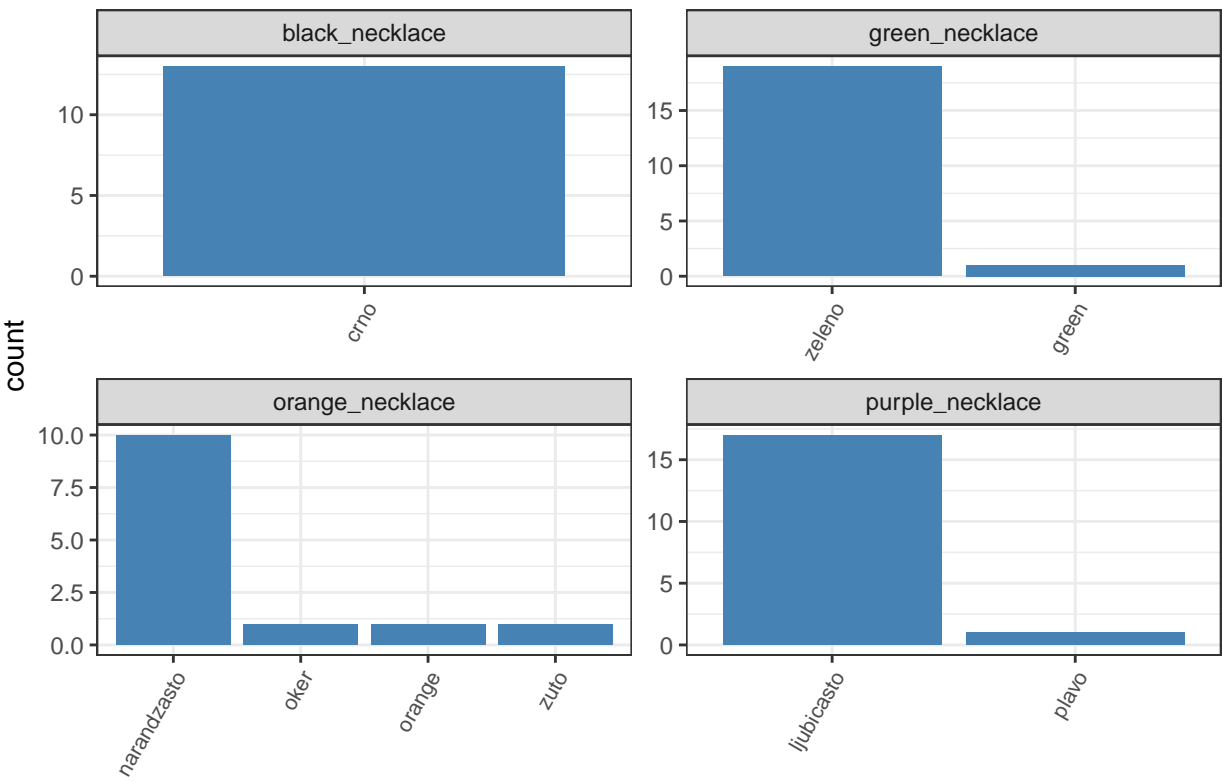
```
##  
## [[63]]
```

# napkin



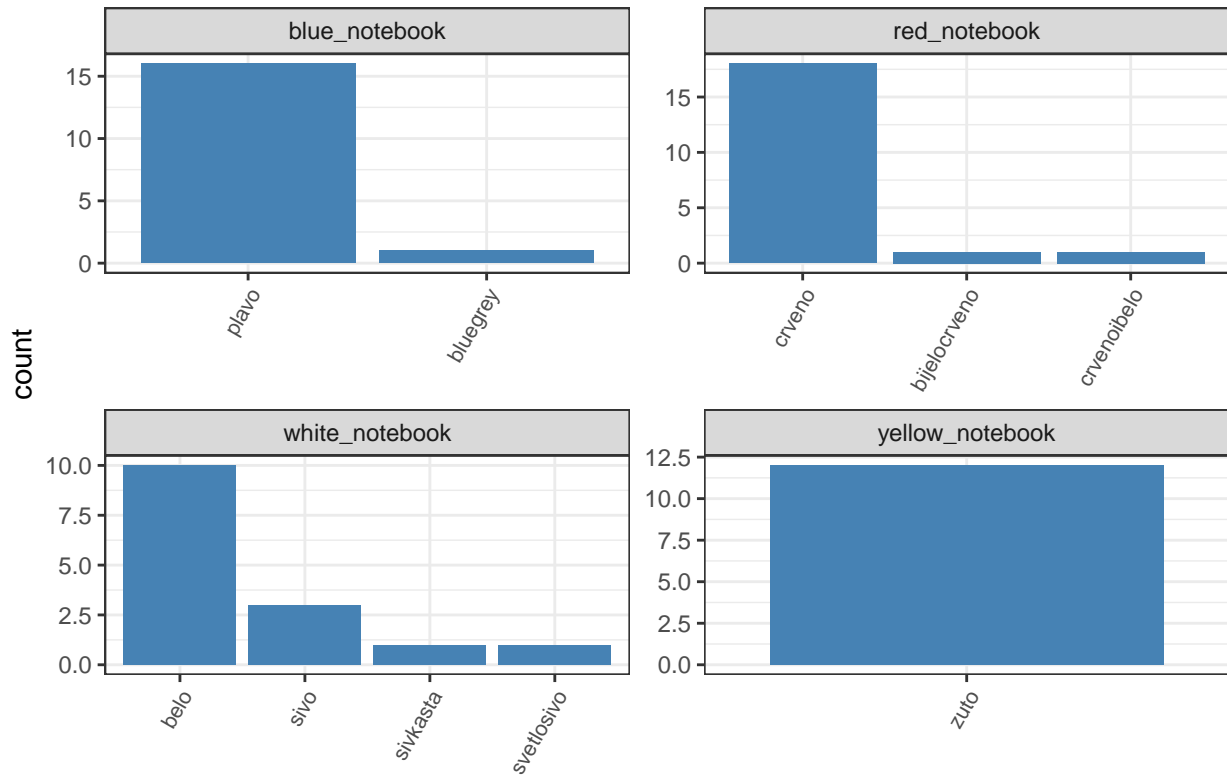
```
##  
## [[64]]
```

# necklace



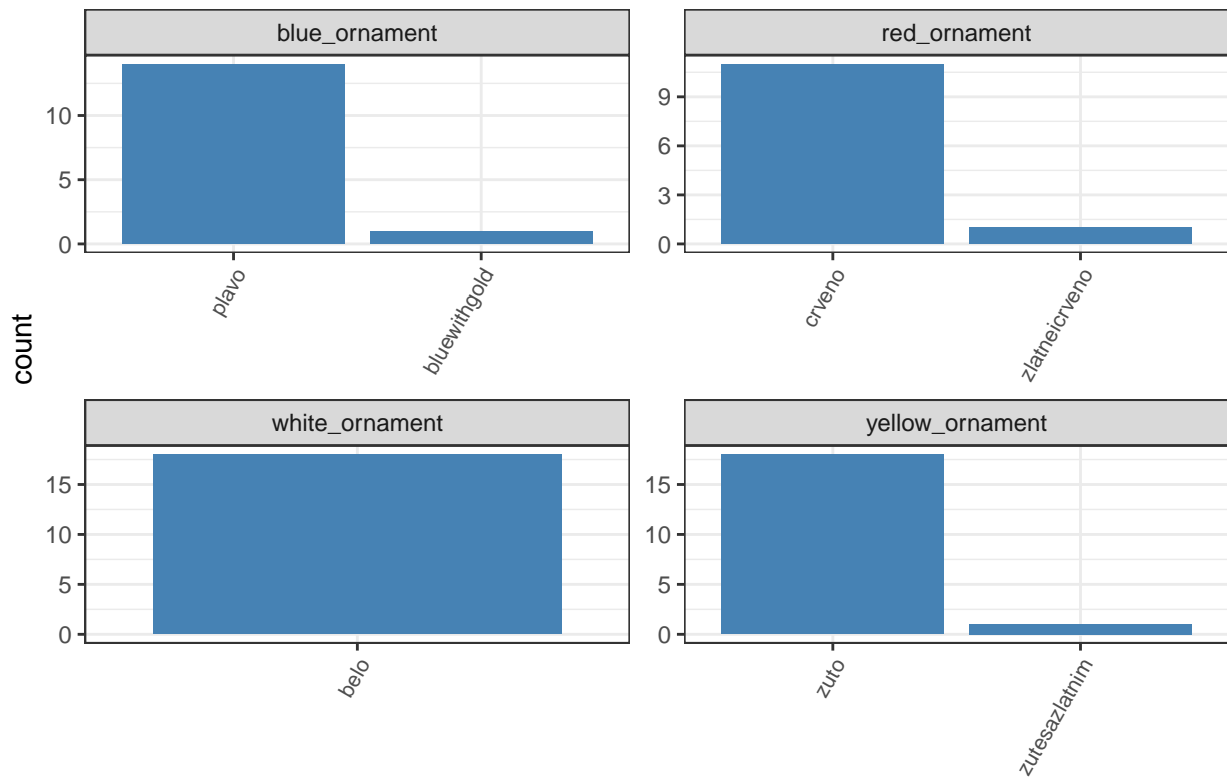
##  
## [[65]]

# notebook



```
##  
## [[66]]
```

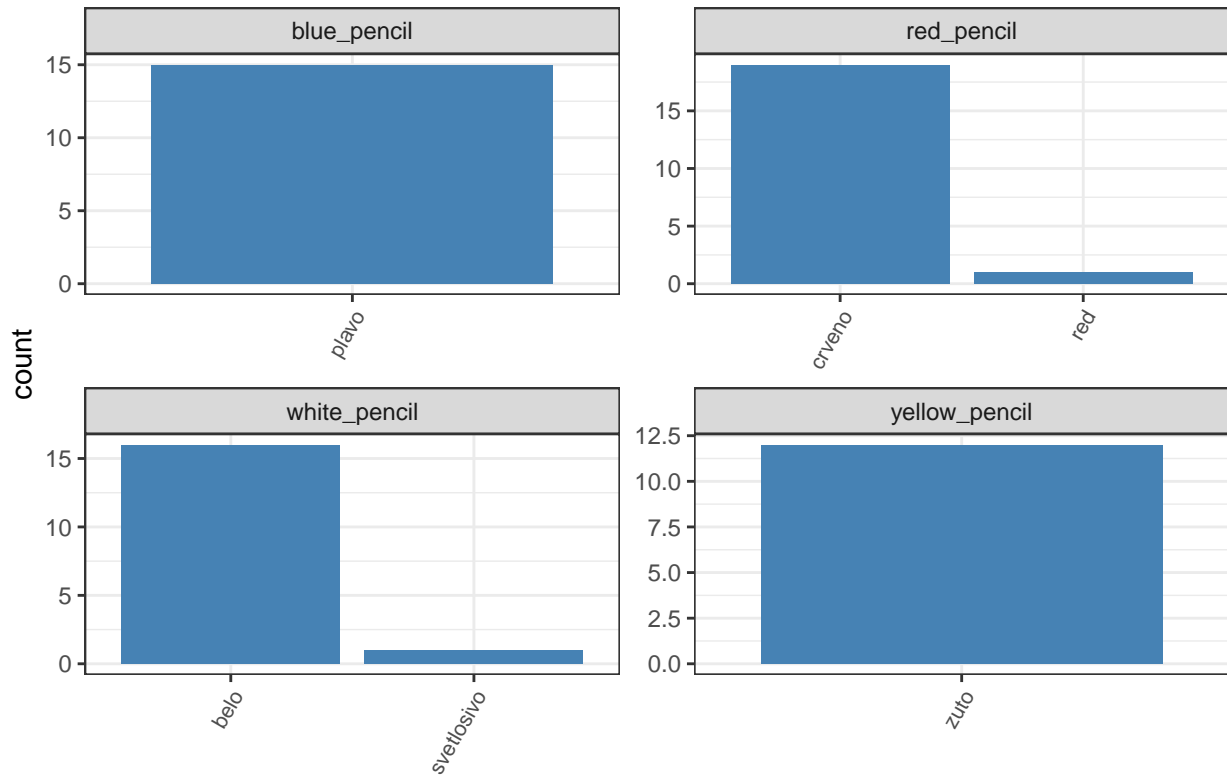
## ornament



```
##  
## [[67]]
```

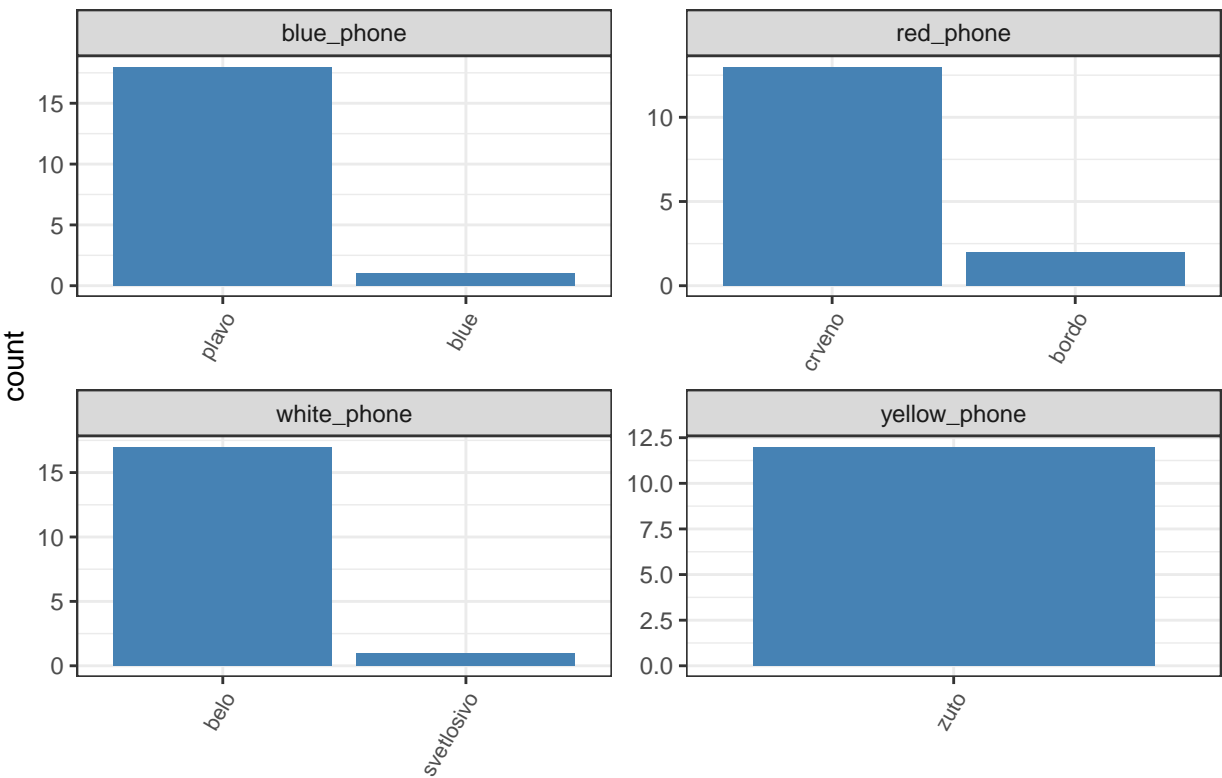


# pencil



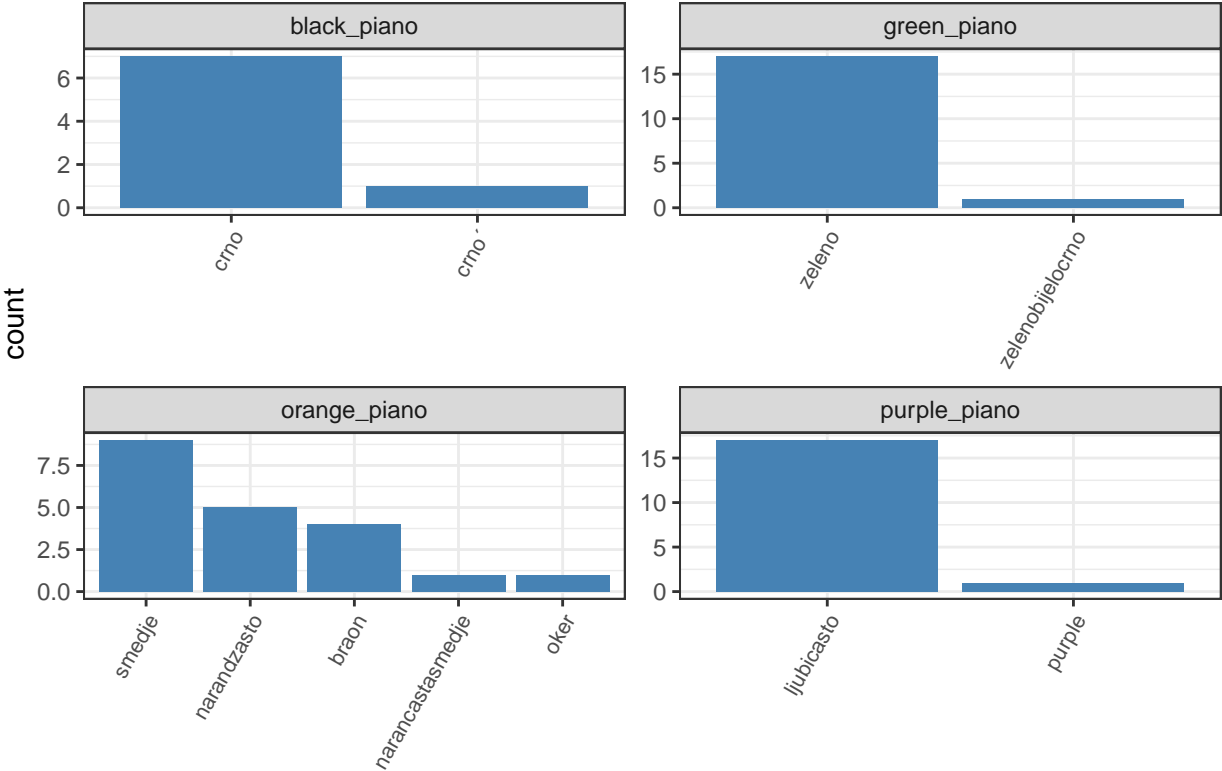
```
##  
## [[68]]
```

# phone



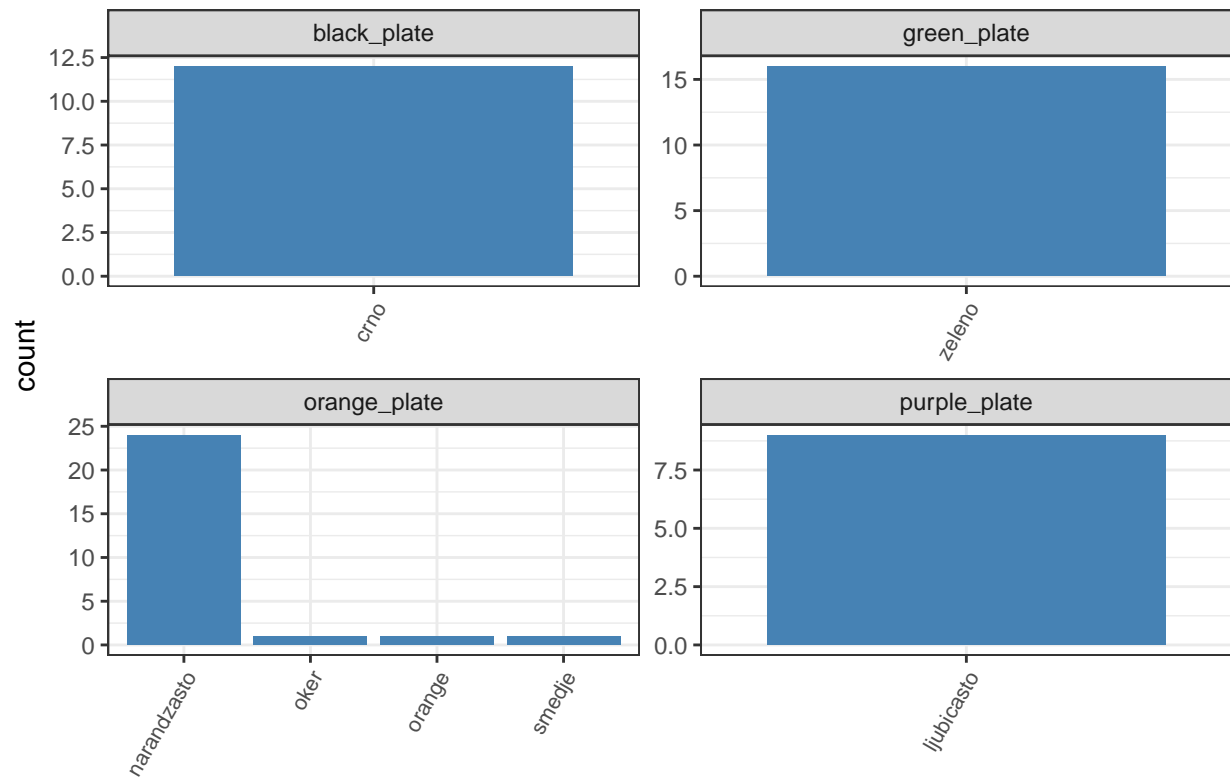
##  
## [[69]]

# piano



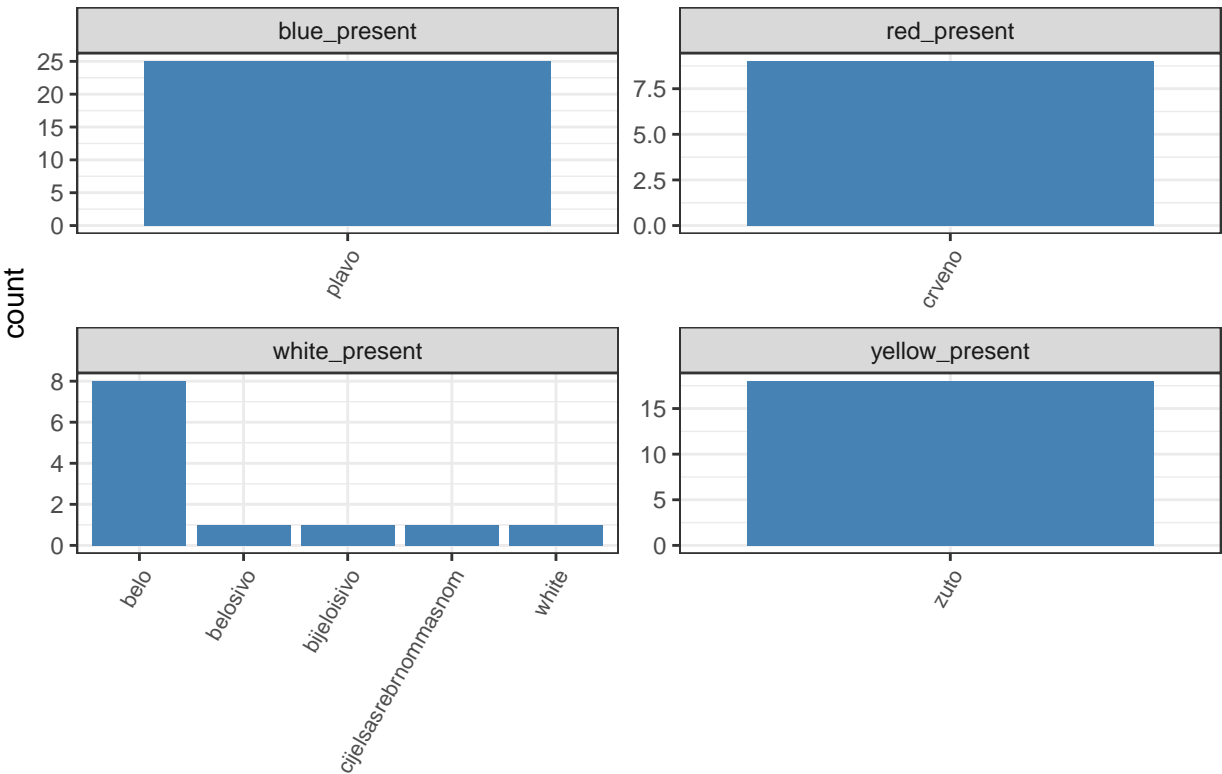
##  
## [[70]]

## plate



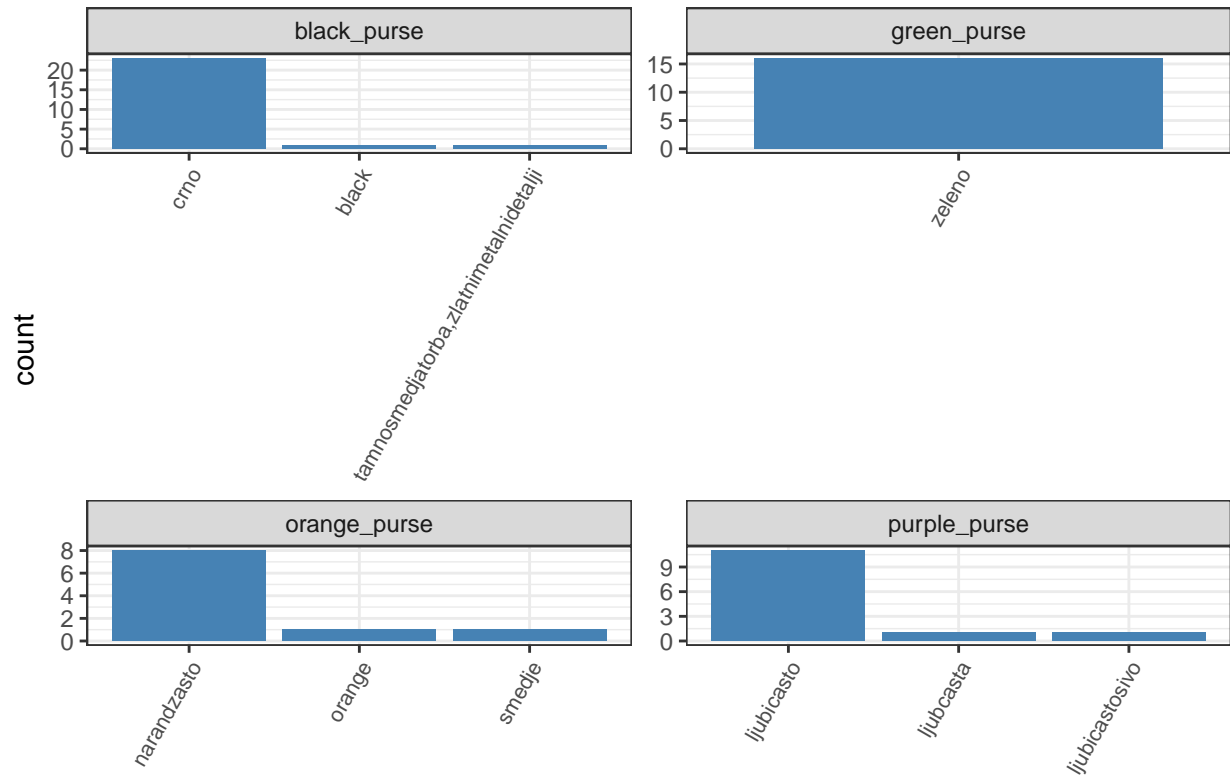
```
##  
## [[71]]
```

present



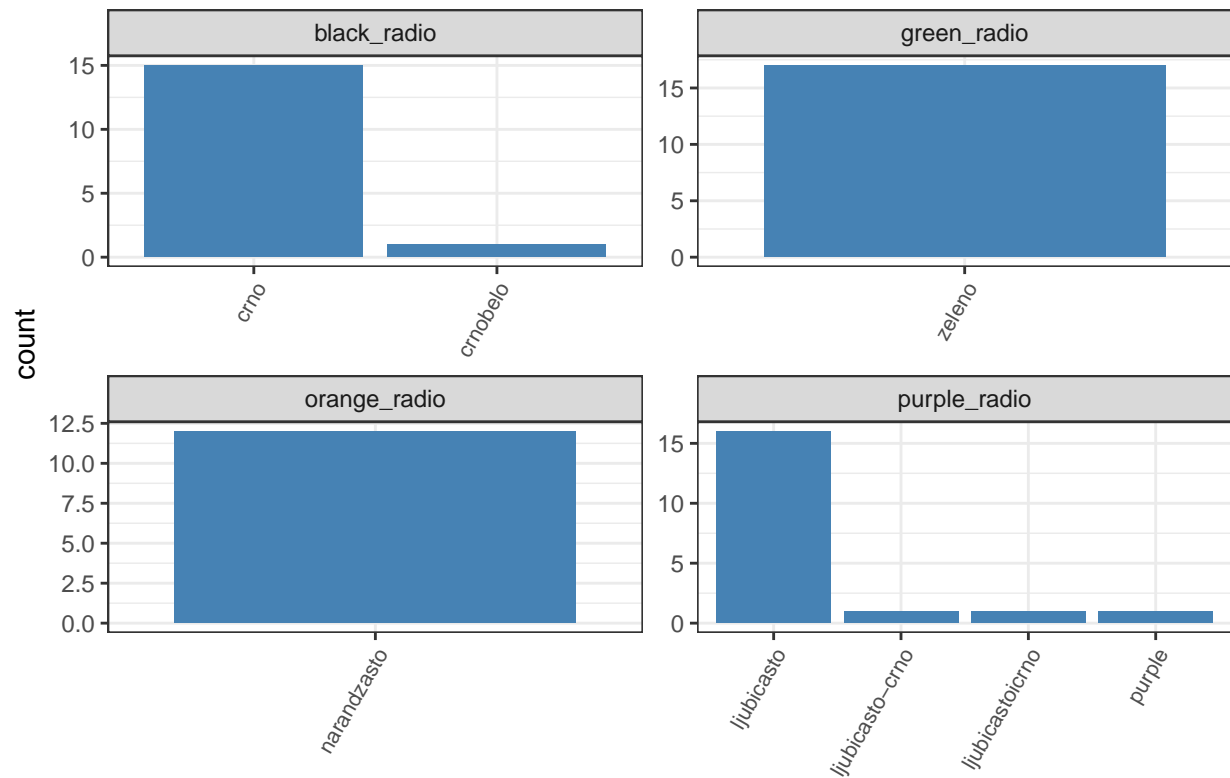
##  
## [[72]]

# purse



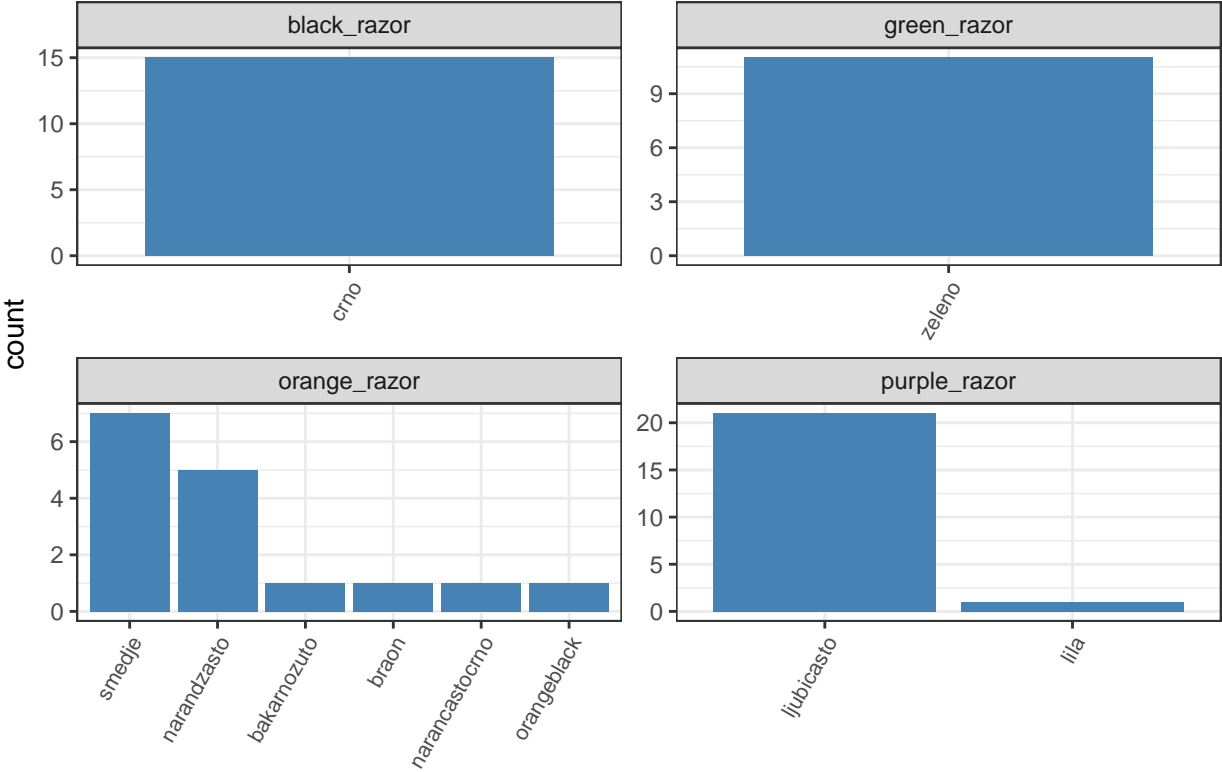
##  
## [[73]]

# radio



##  
## [[74]]

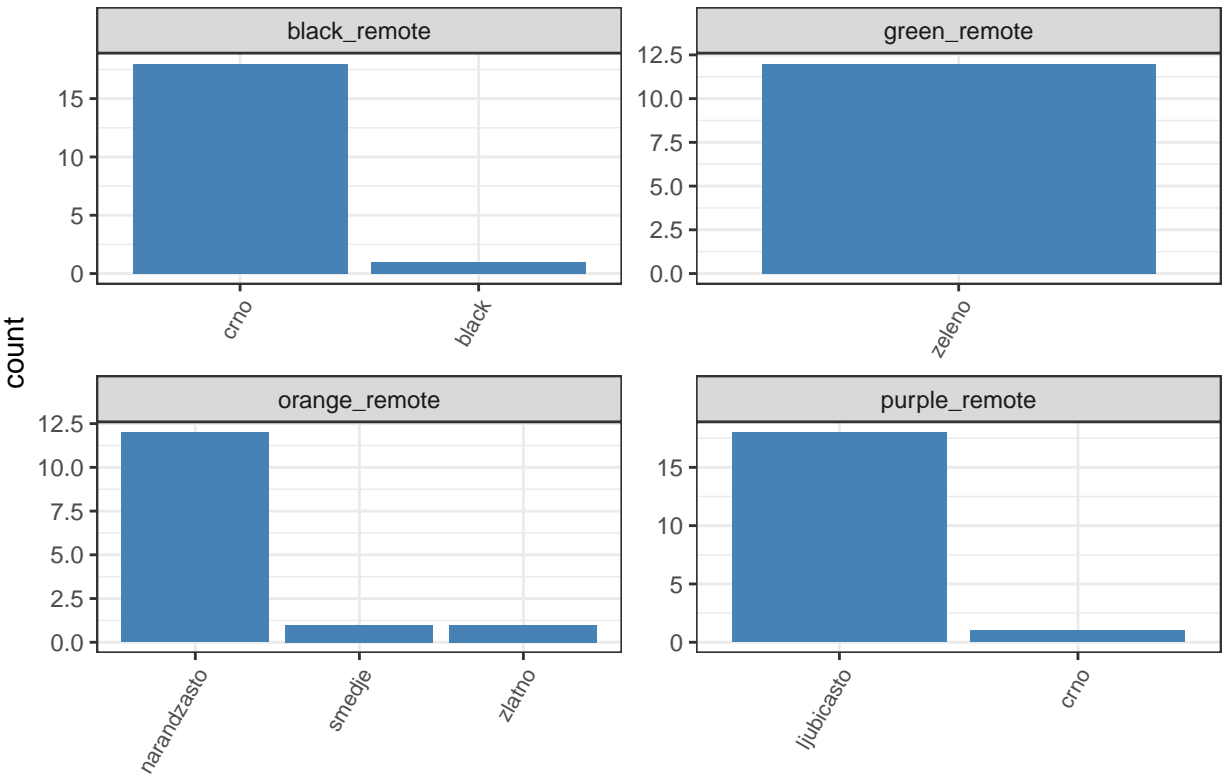
razor



##  
## [[75]]

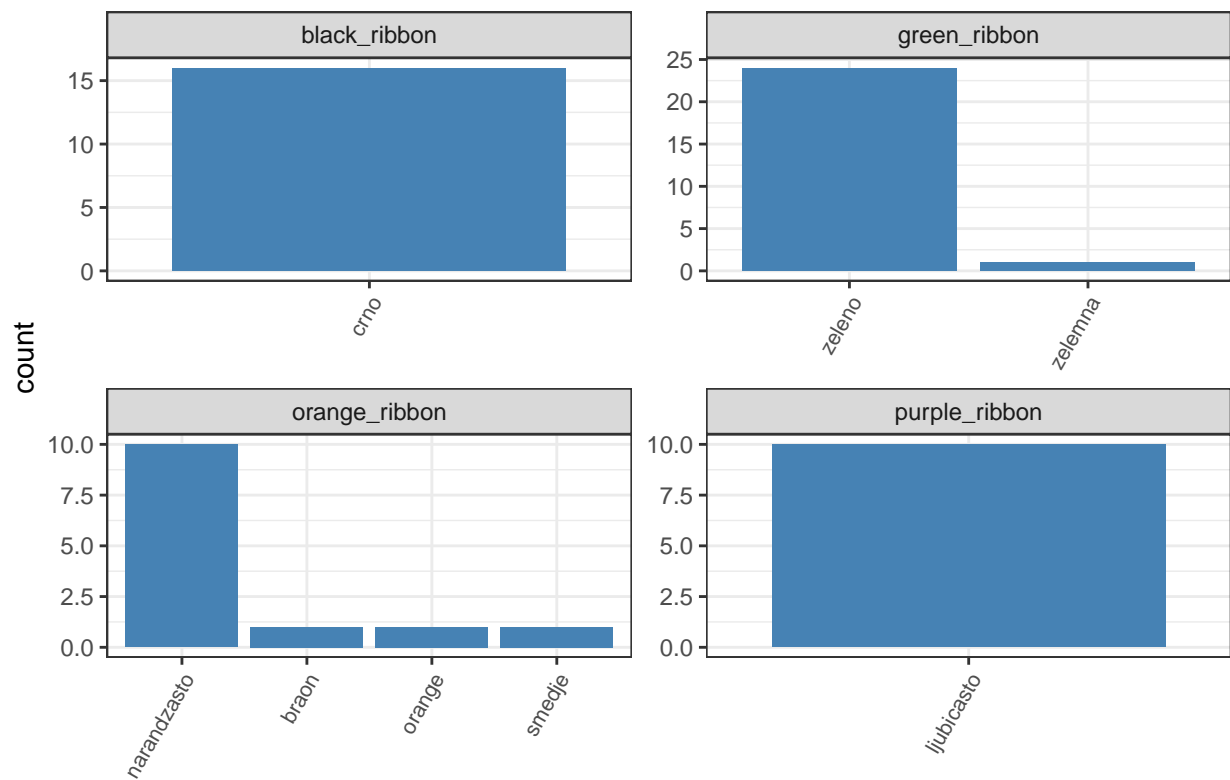


# remote



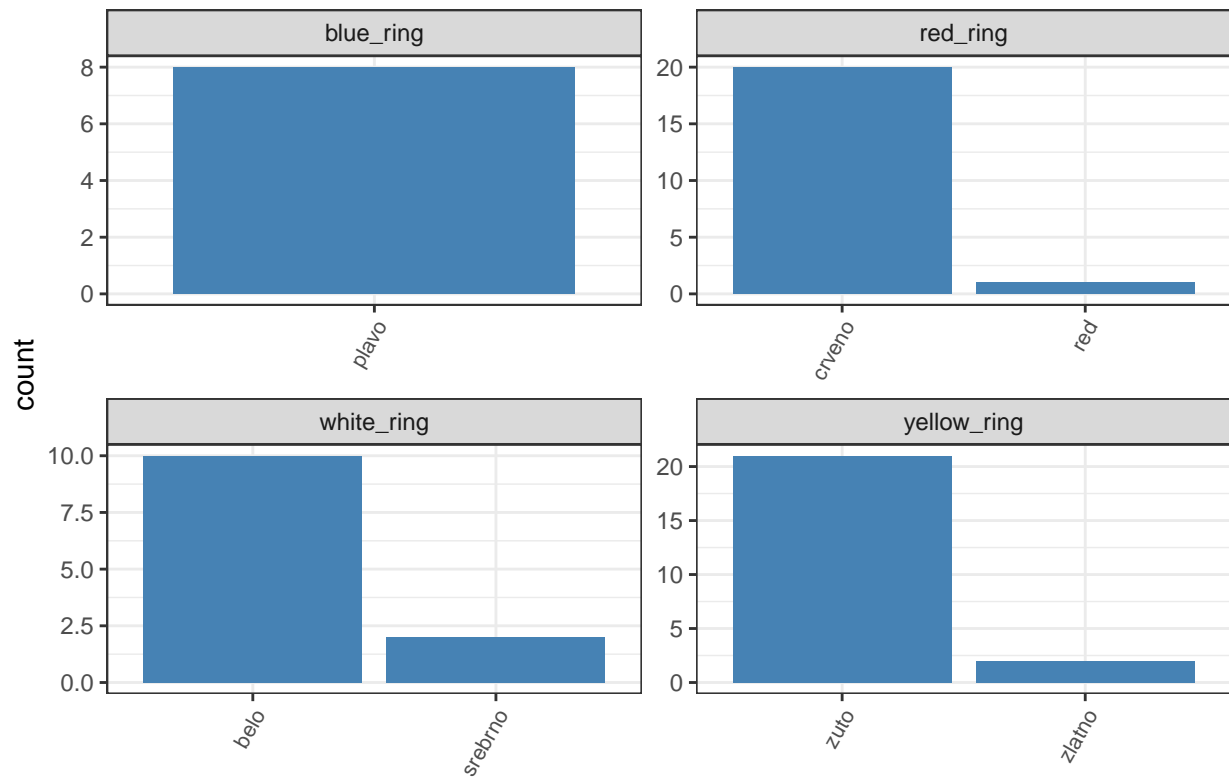
##  
## [[76]]

# ribbon



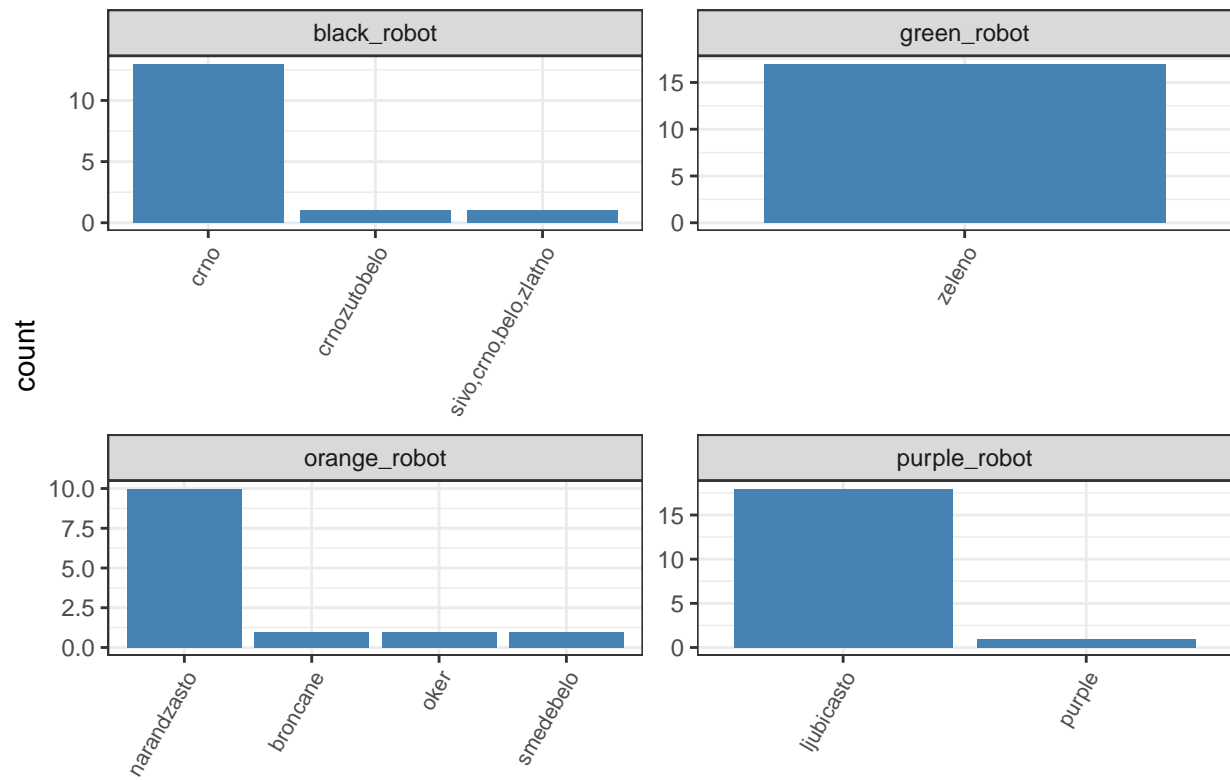
```
##  
## [[77]]
```

# ring



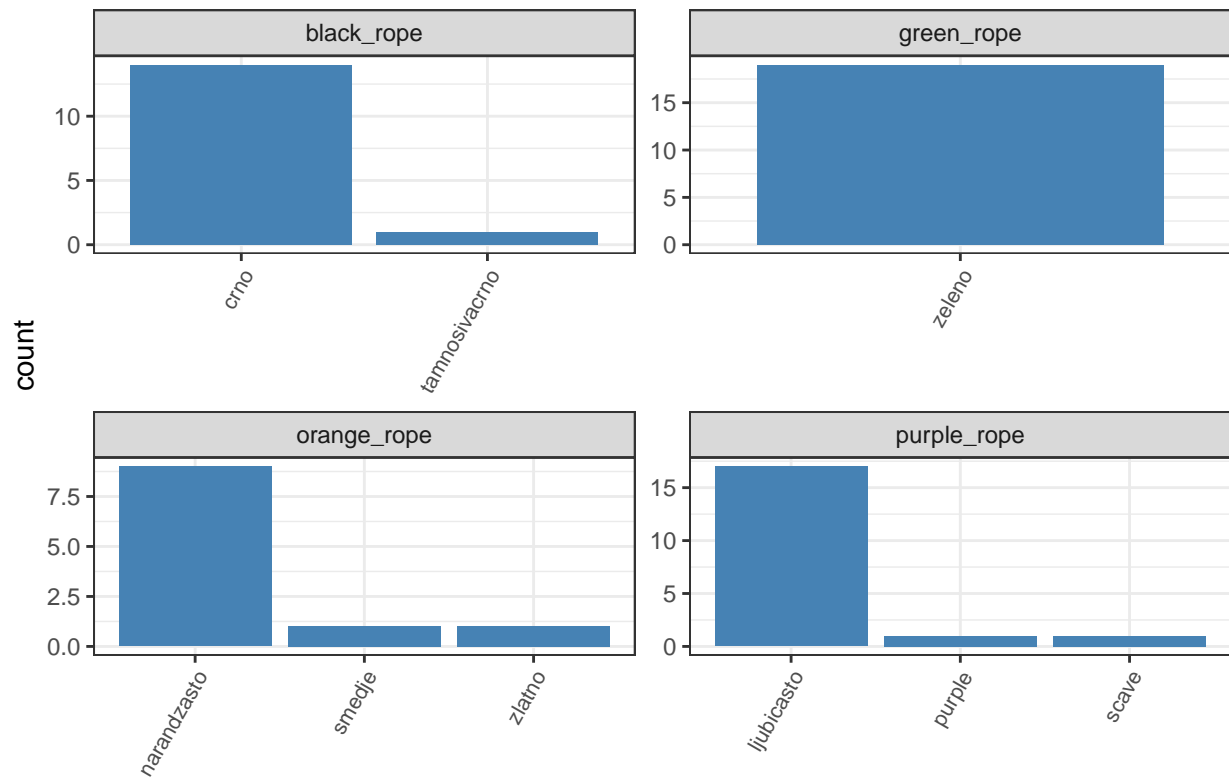
```
##  
## [[78]]
```

# robot



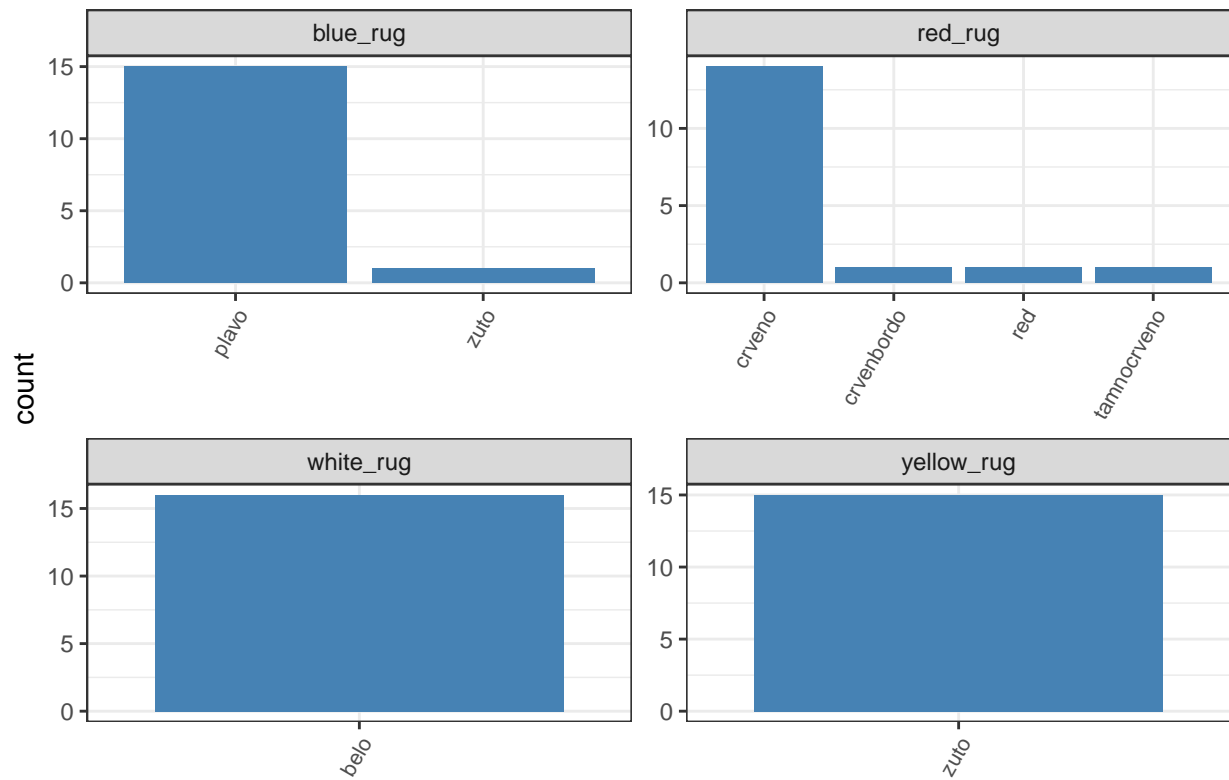
##  
## [[79]]

# rope



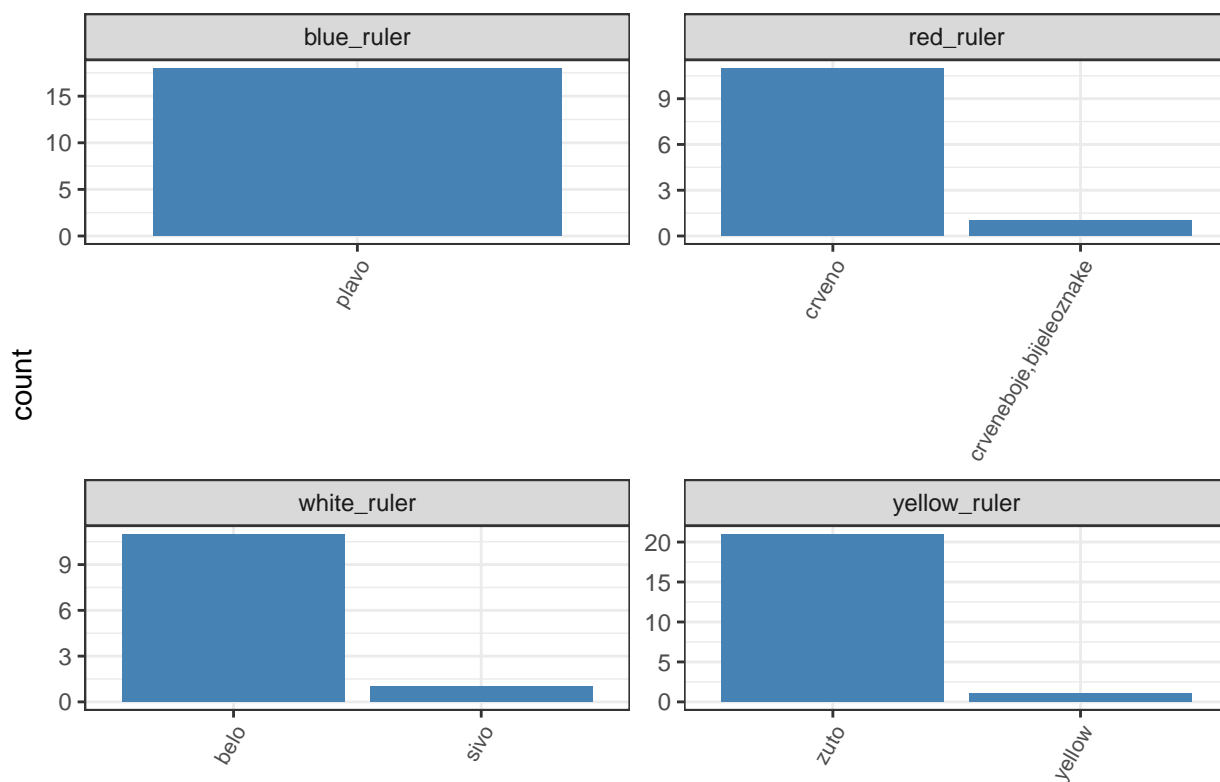
```
##  
## [[80]]
```

# rug



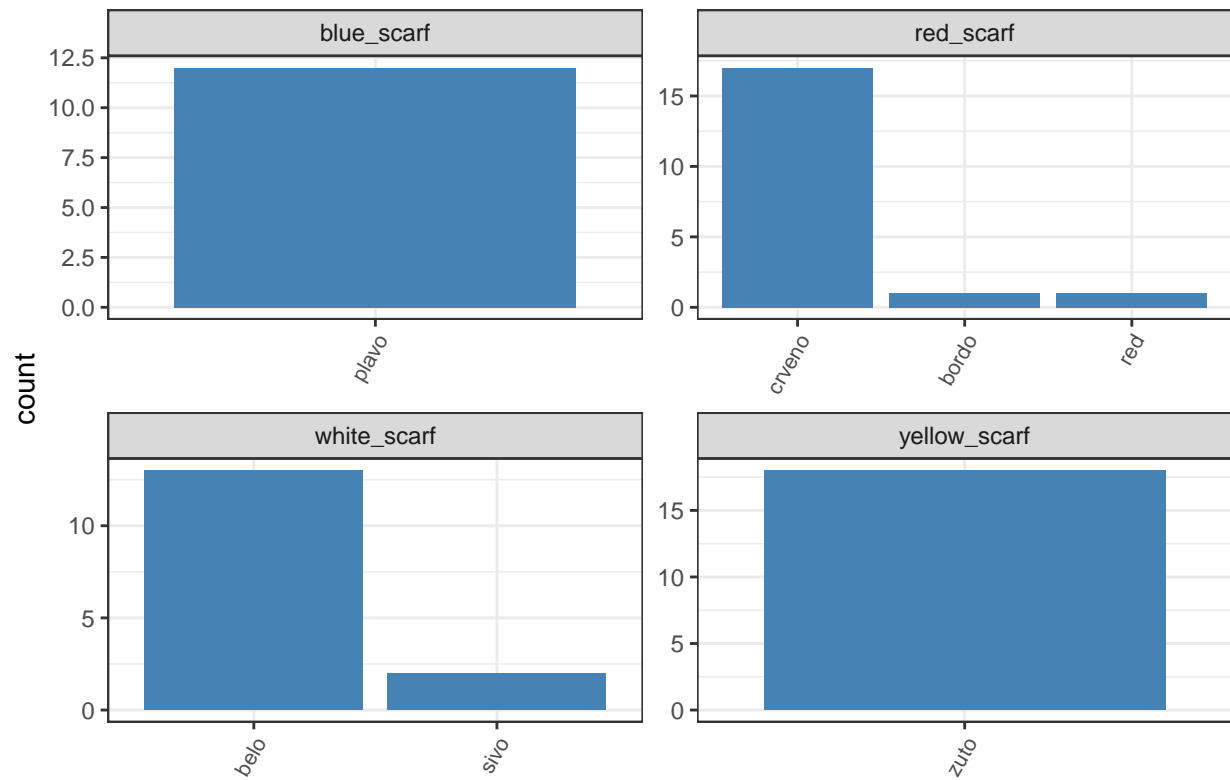
```
##
## [[81]]
```

# ruler



##  
## [[82]]

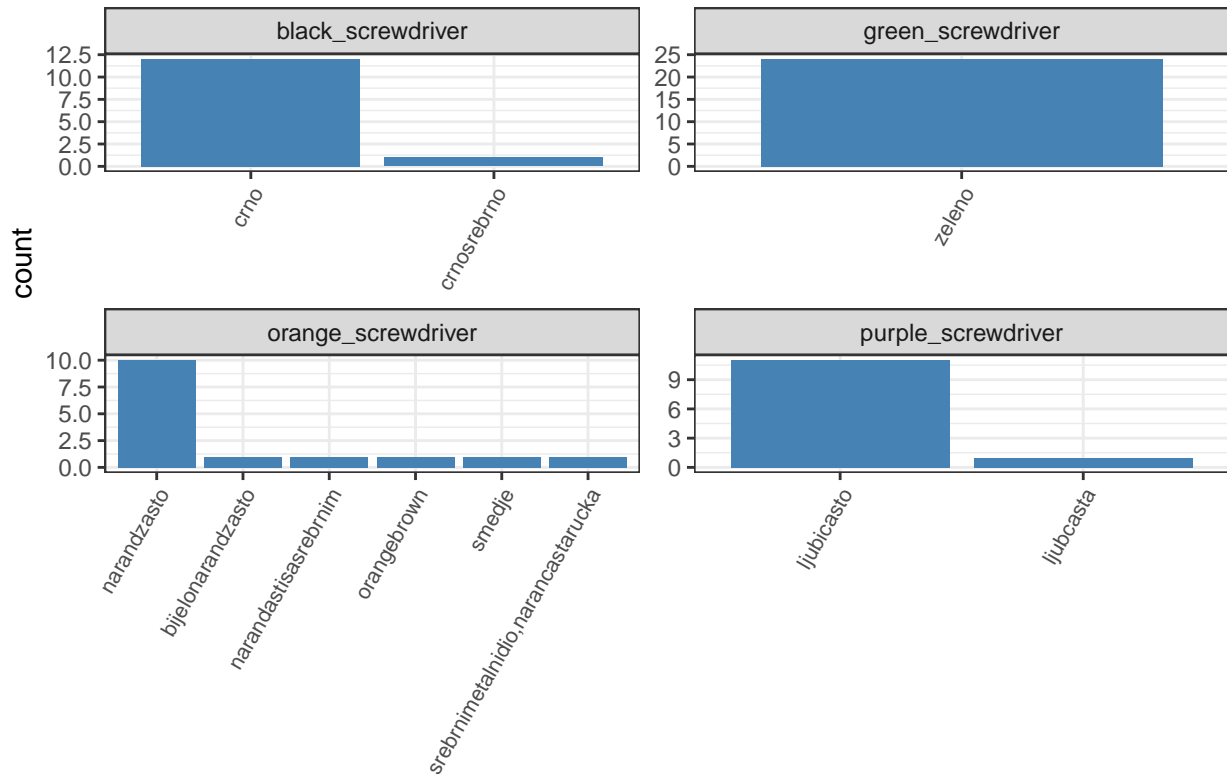
## scarf



##  
## [[83]]

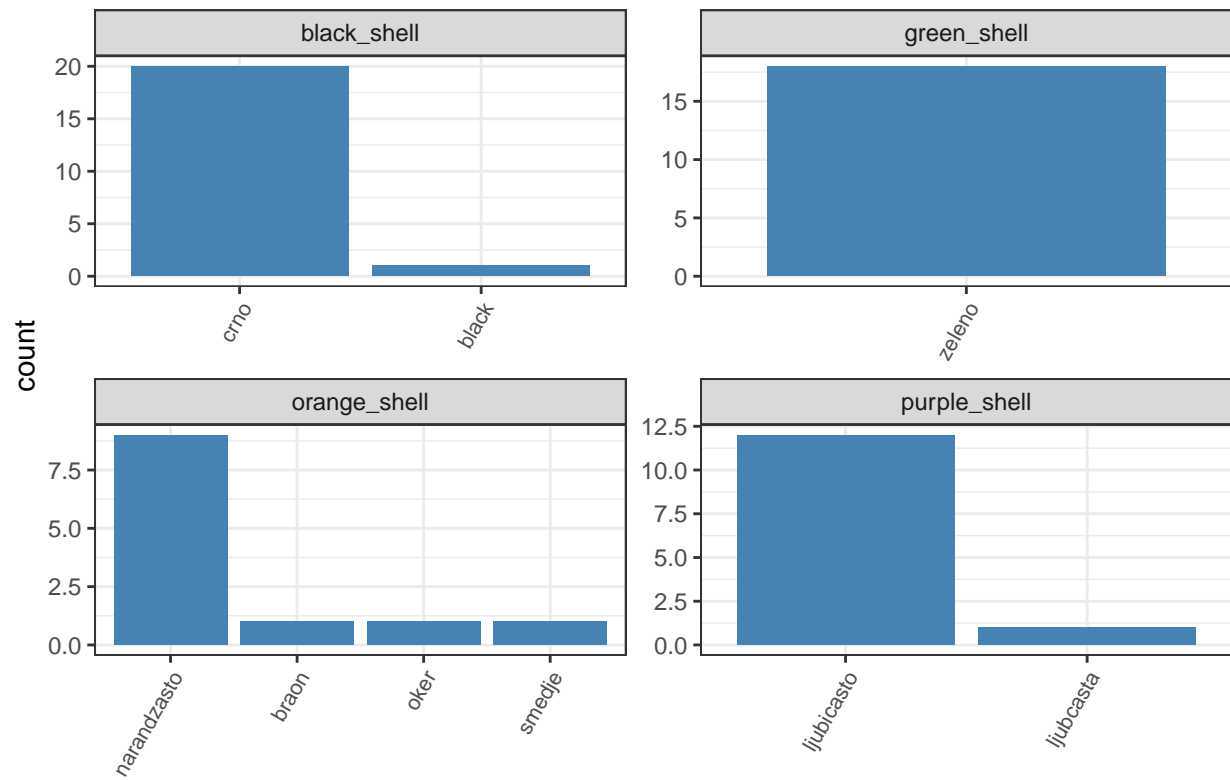


# screwdriver



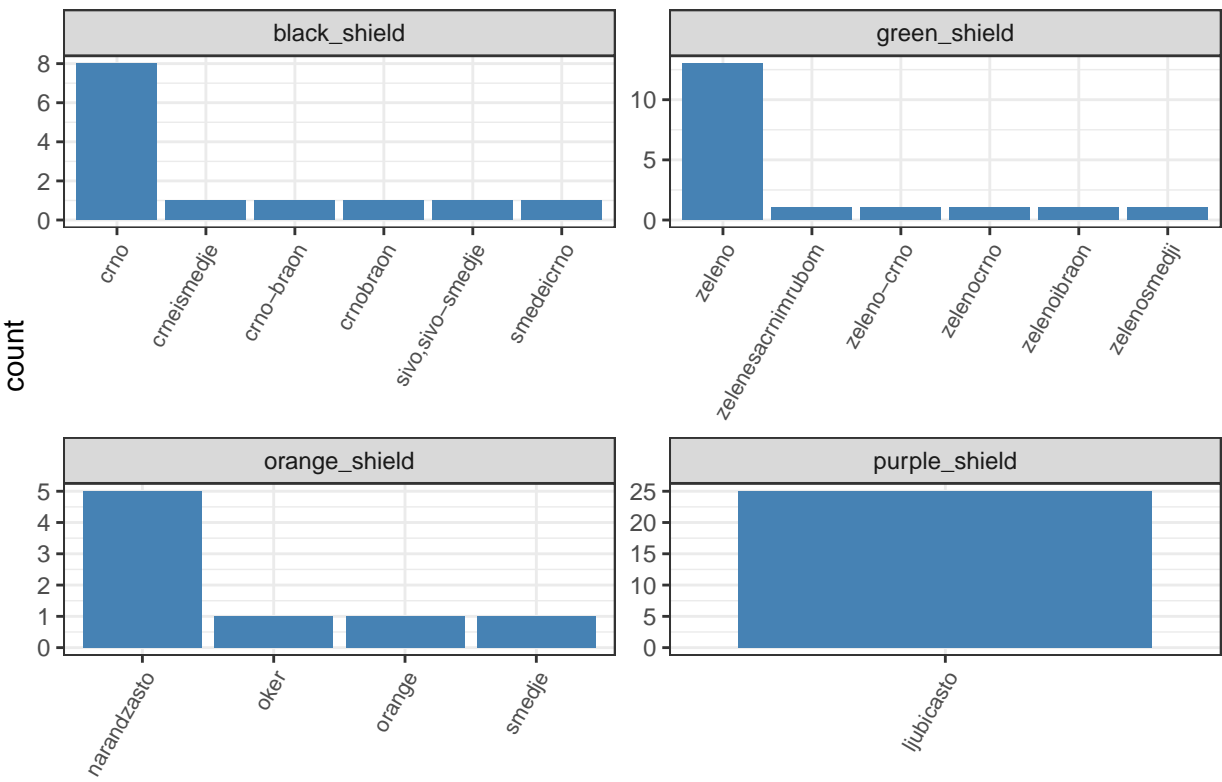
##  
## [[84]]

# shell



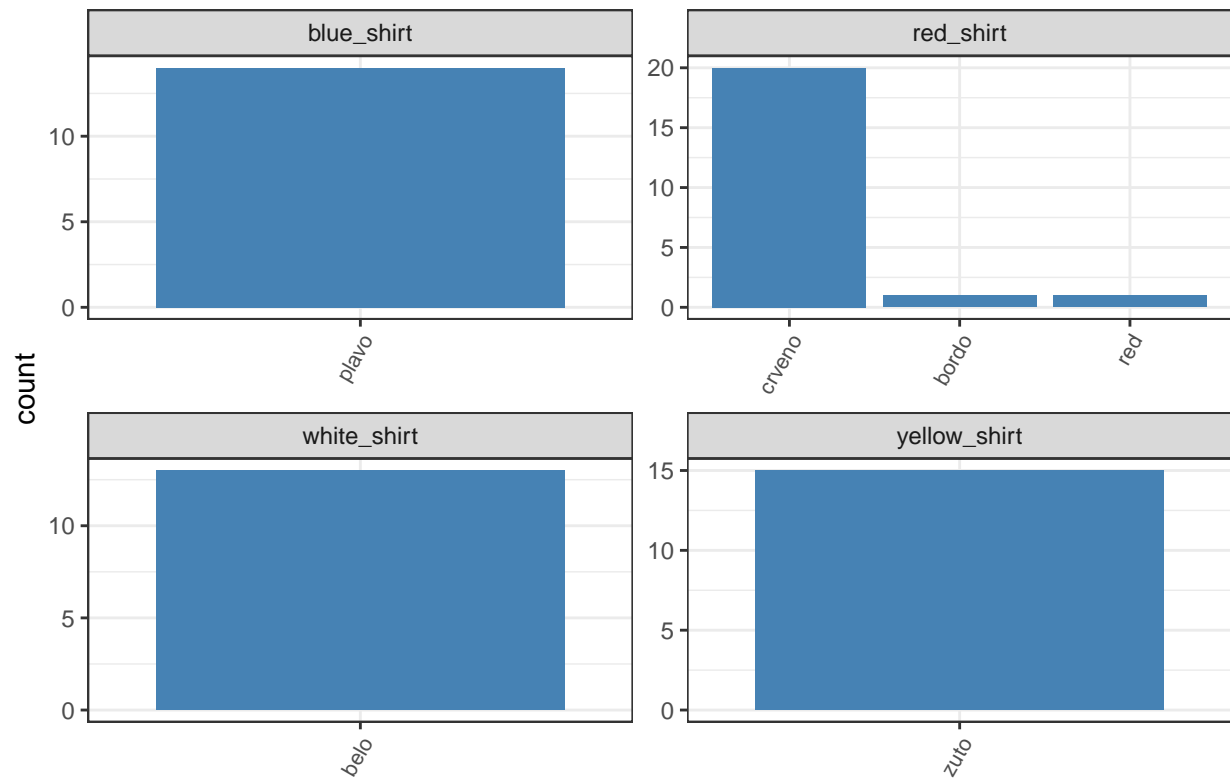
##  
## [[85]]

# shield



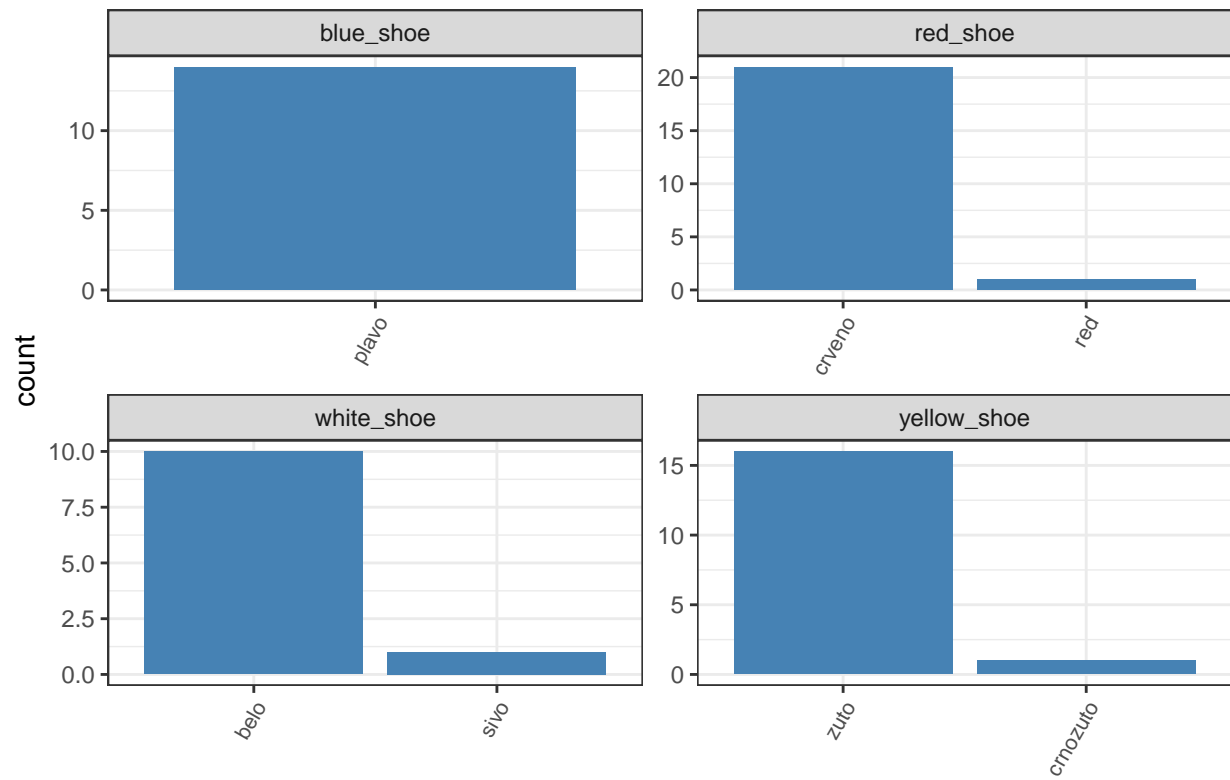
##  
## [[86]]

# shirt



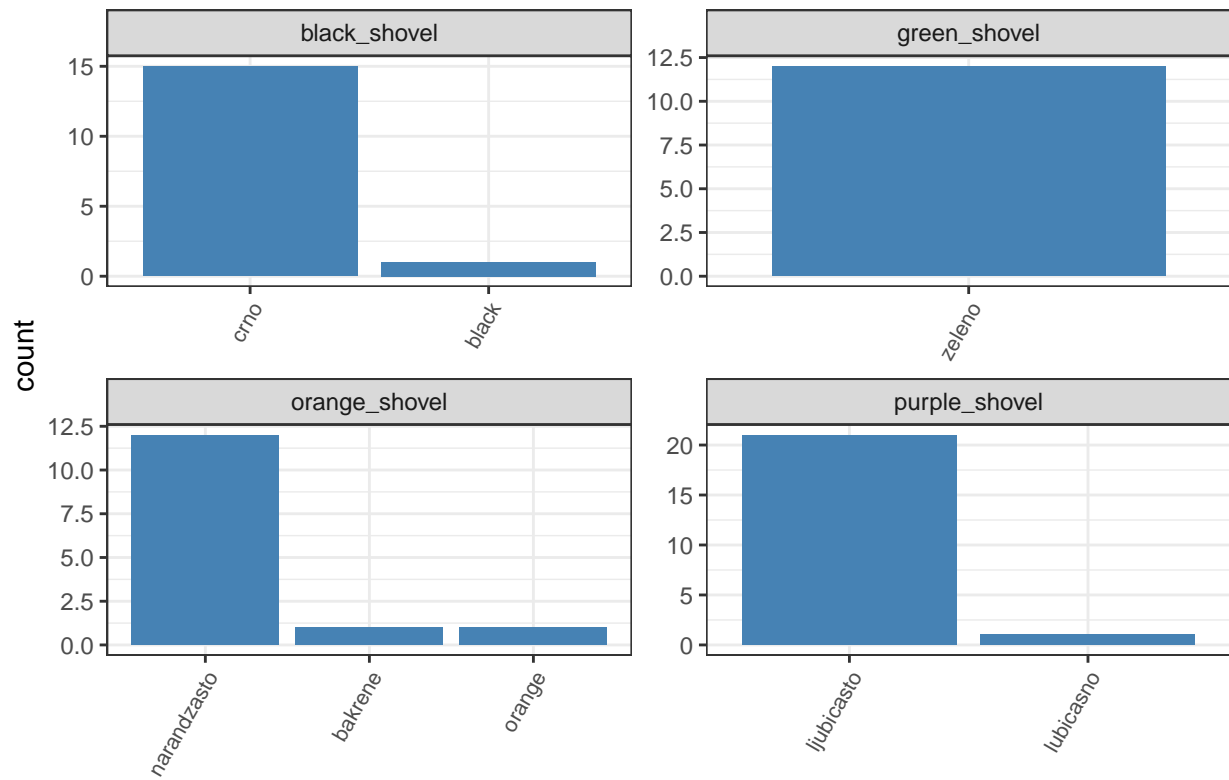
##  
## [[87]]

# shoe



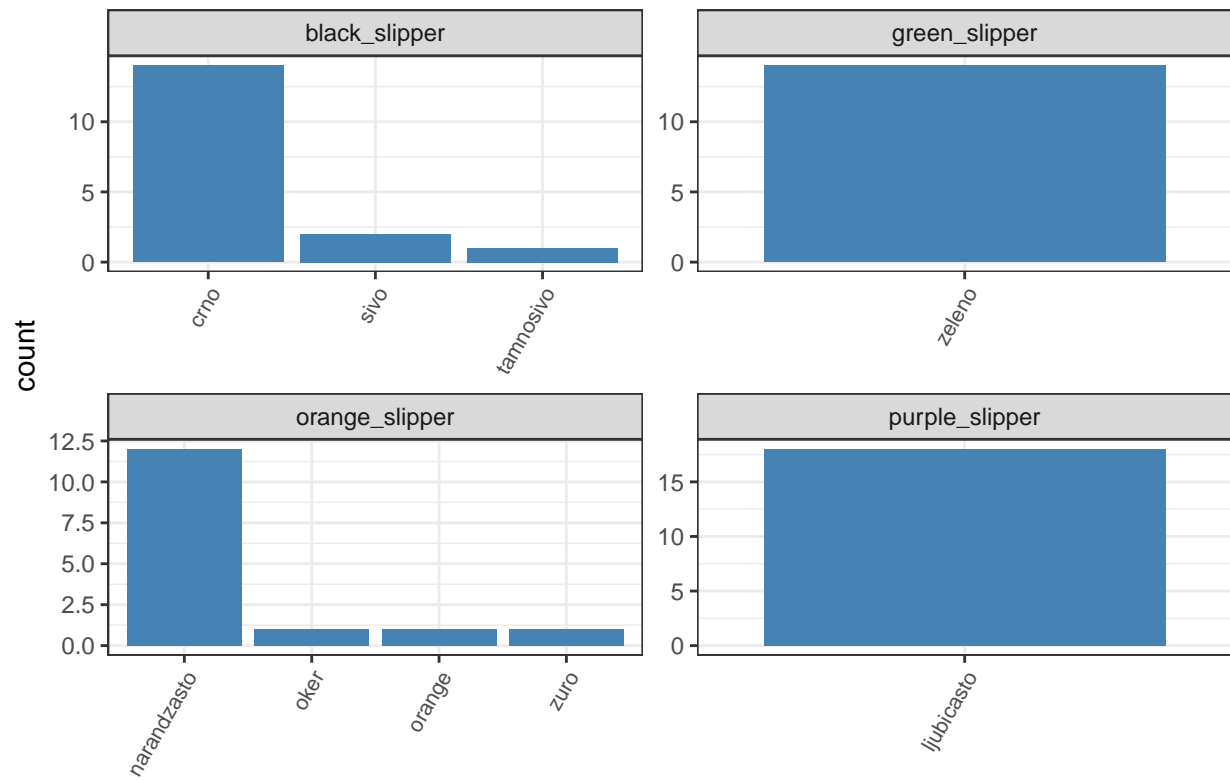
##  
## [[88]]

# shovel



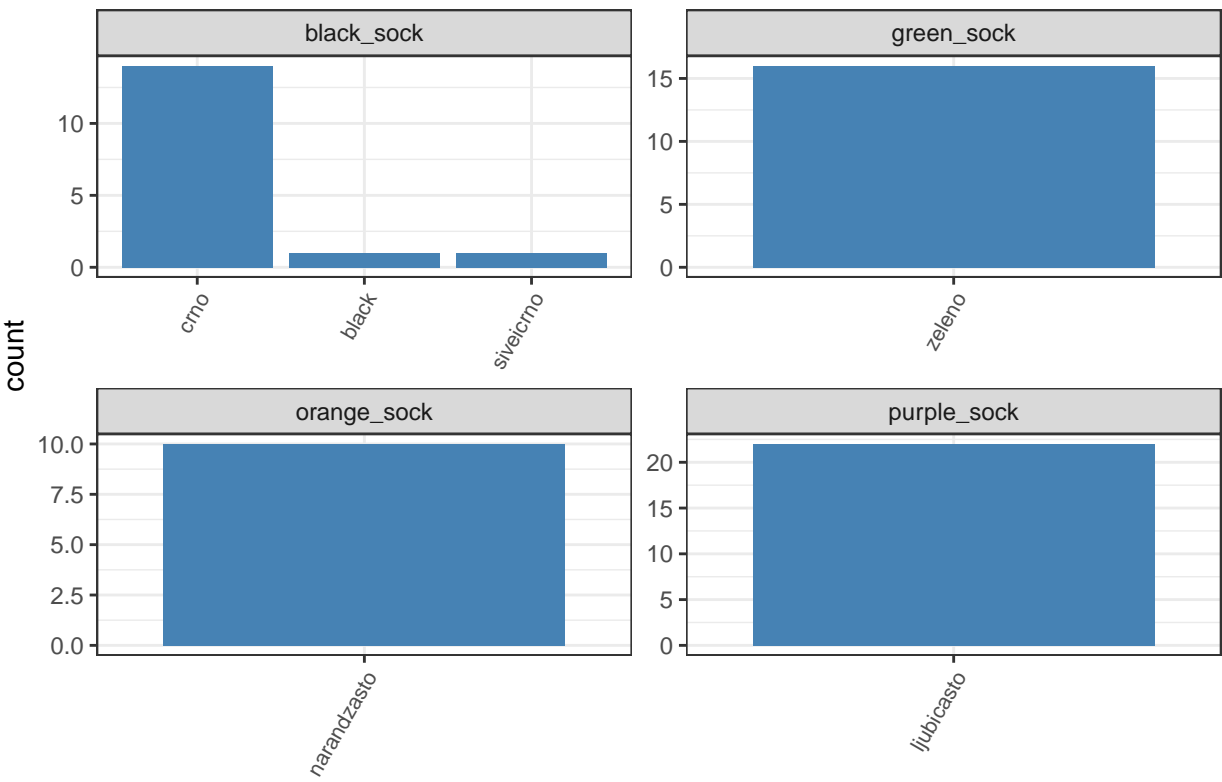
##  
## [[89]]

# slipper



##  
## [[90]]

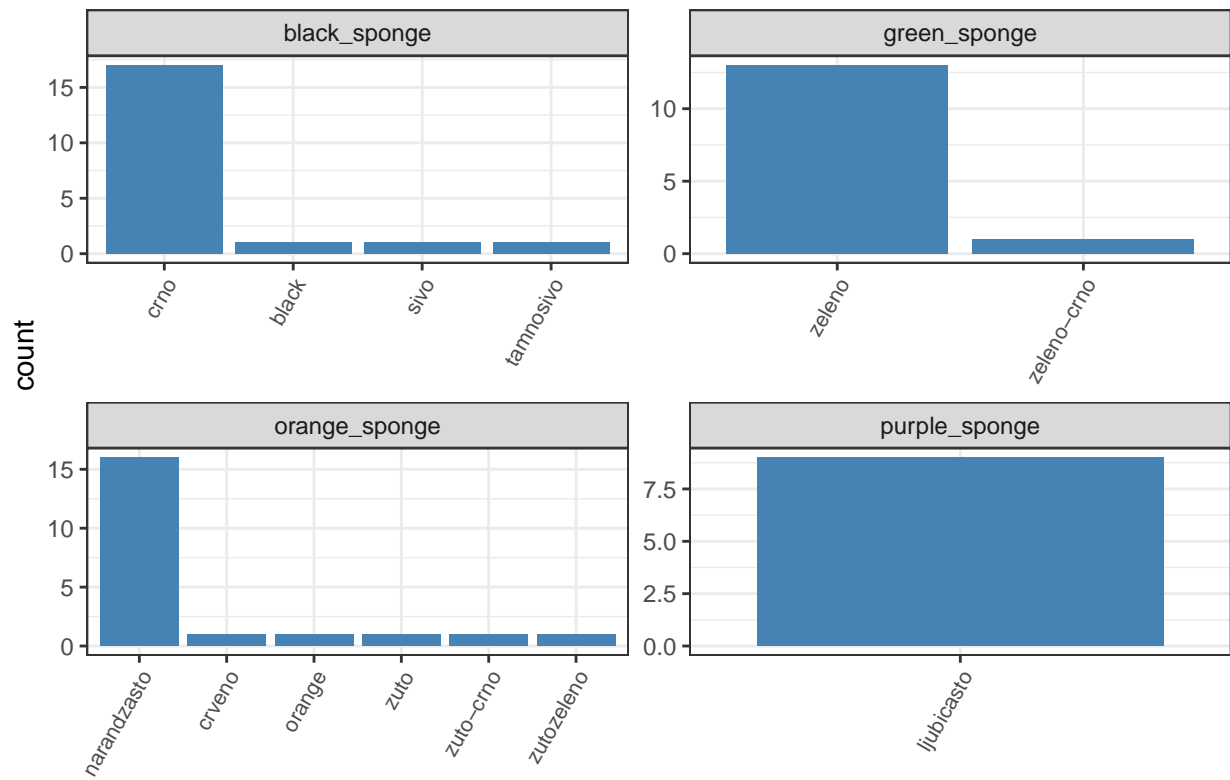
# sock



##  
## [[91]]

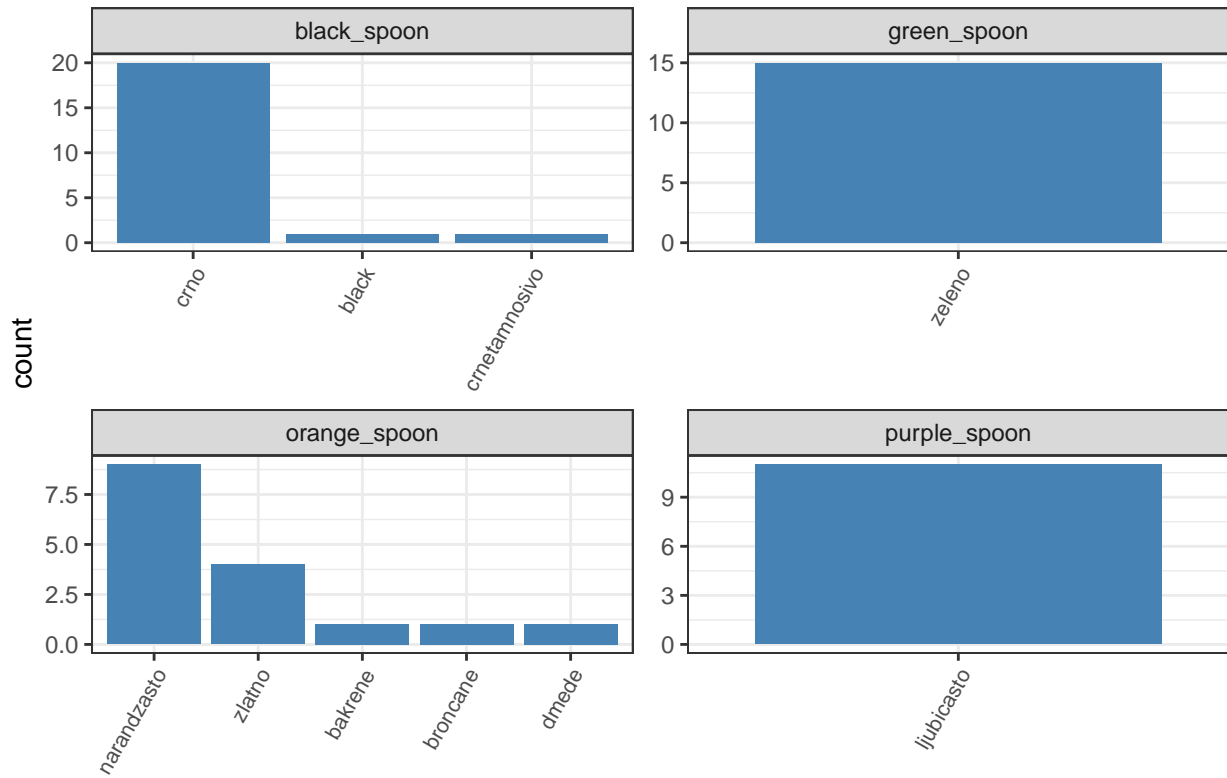


# sponge



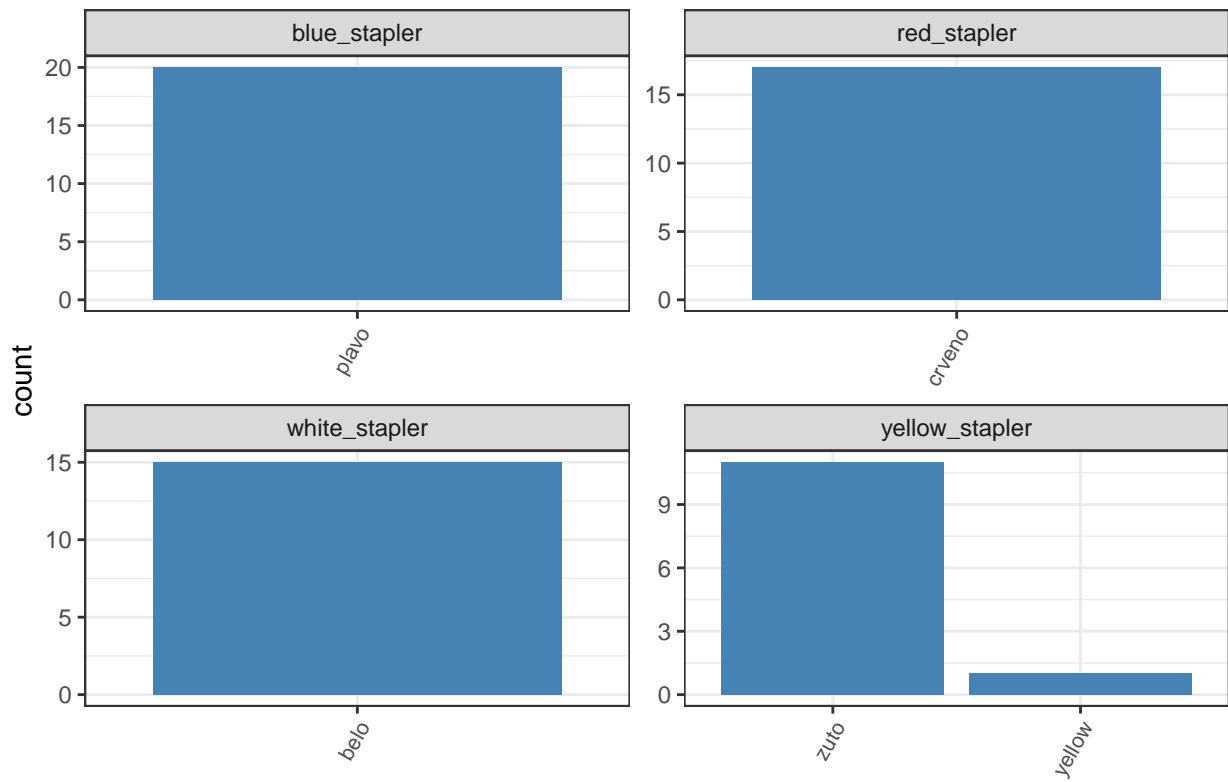
##  
## [[92]]

# spoon



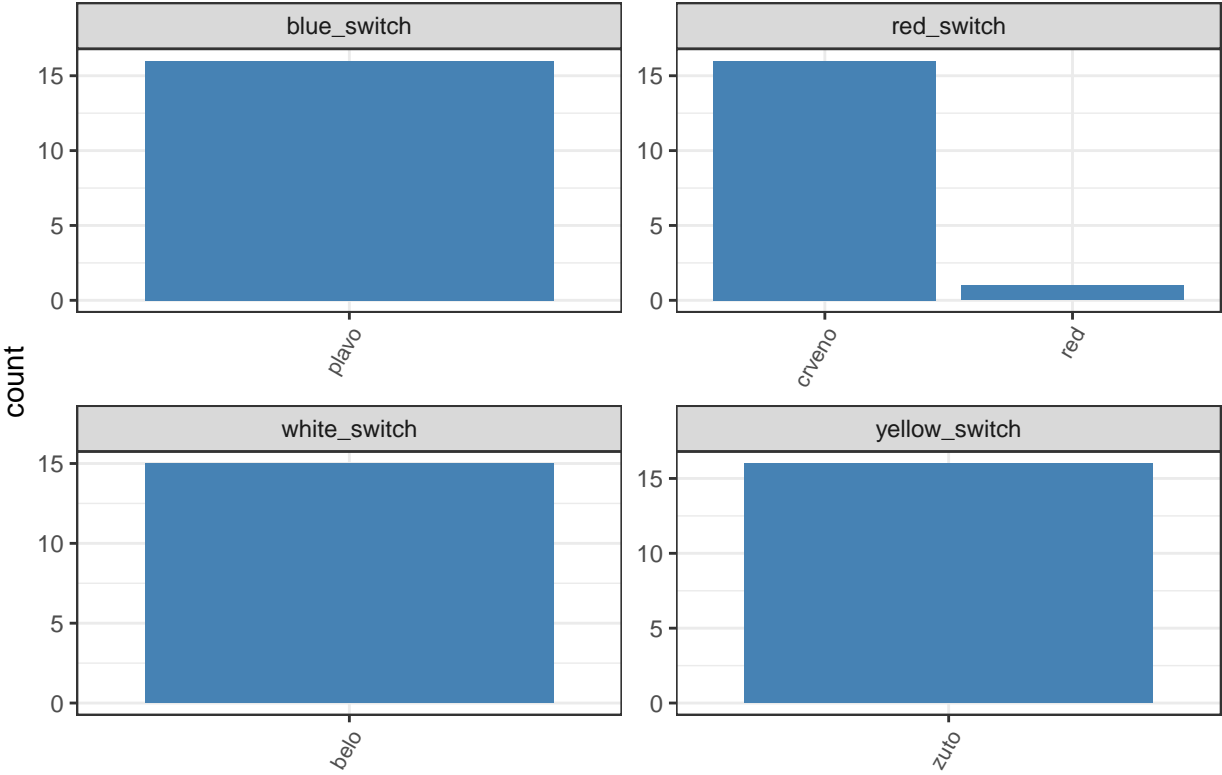
##  
## [[93]]

# stapler



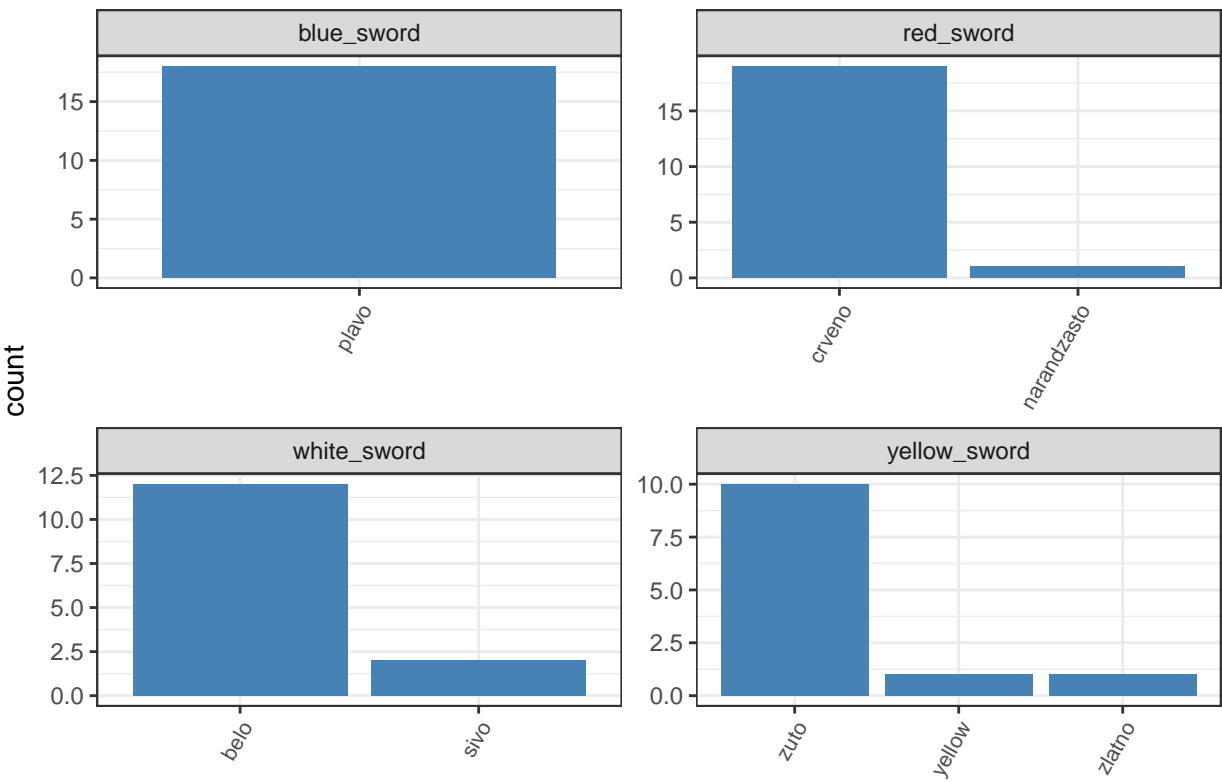
```
##  
## [[94]]
```

# switch



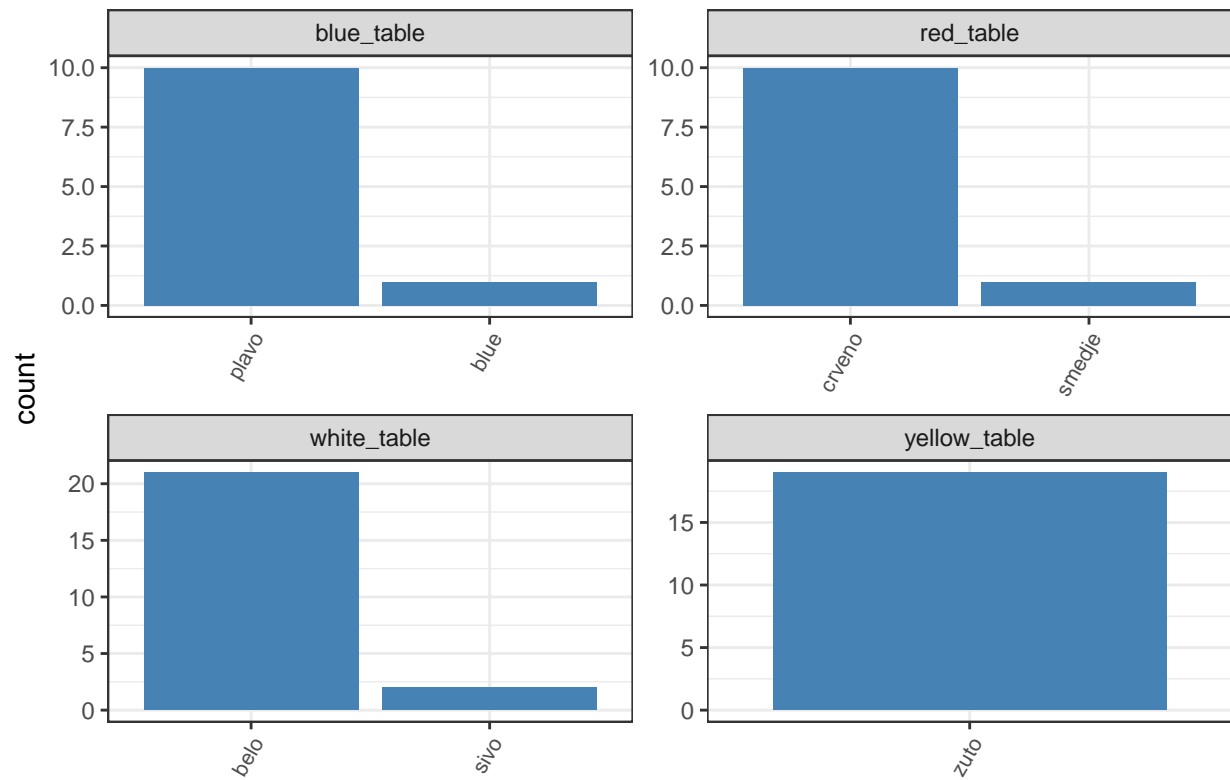
##  
## [[95]]

# sword



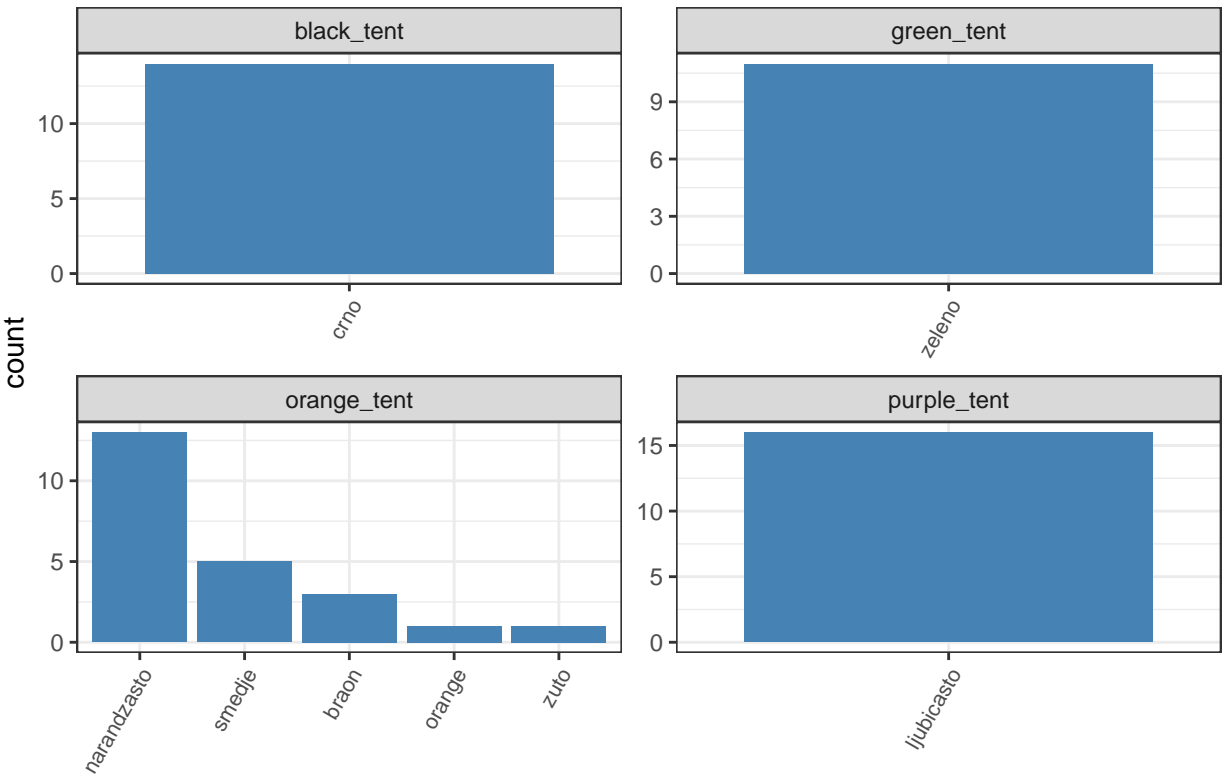
##  
## [[96]]

## table



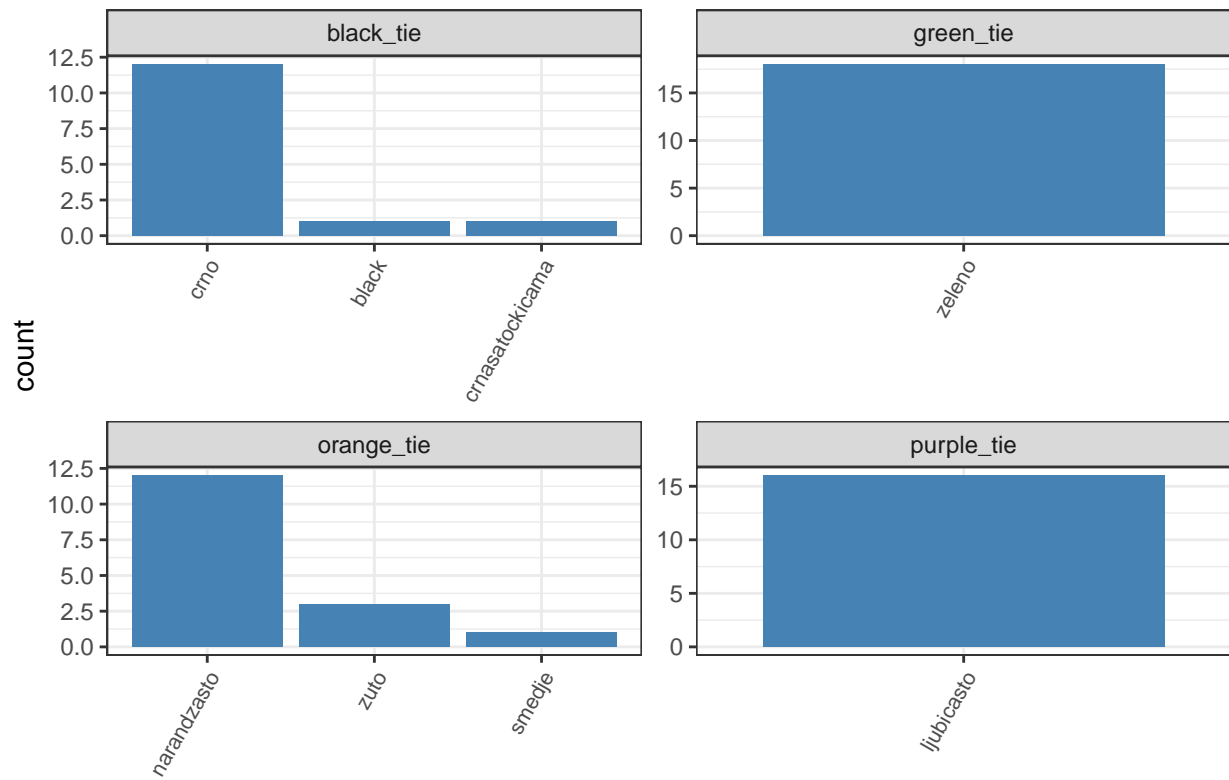
```
##  
## [[97]]
```

tent



##  
## [[98]]

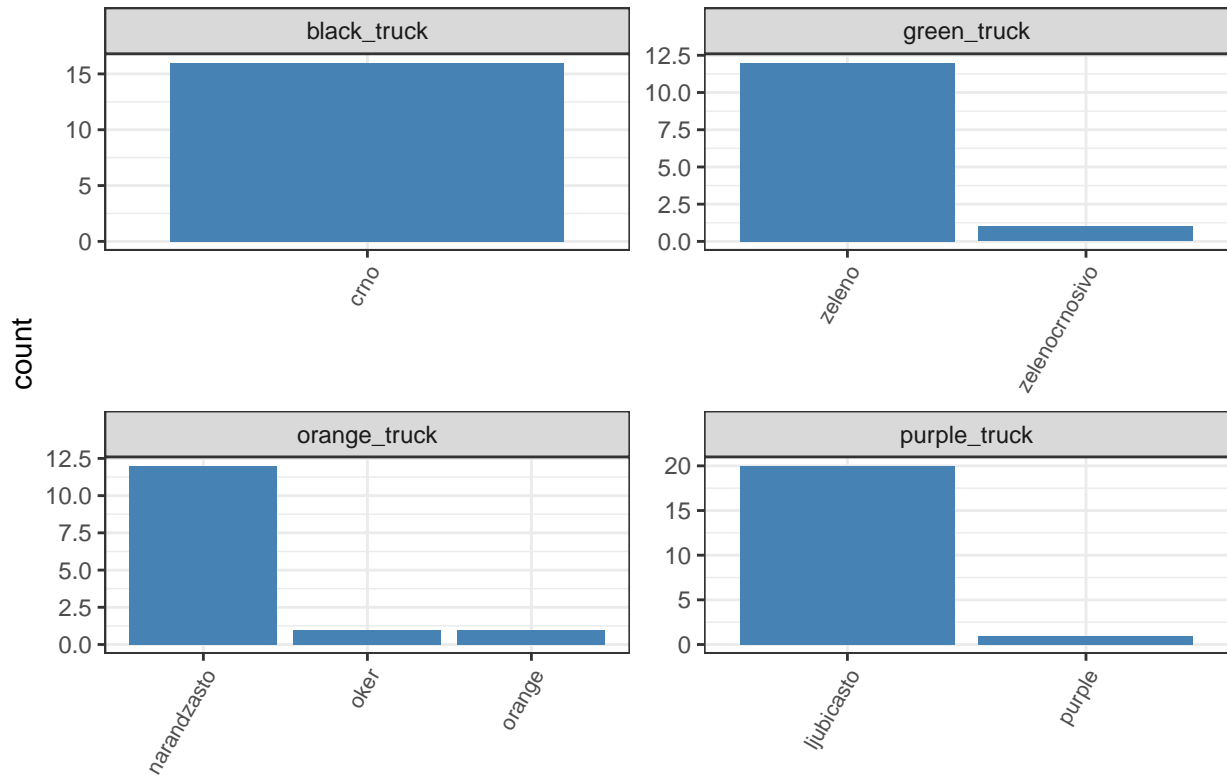
# tie



##  
## [[99]]

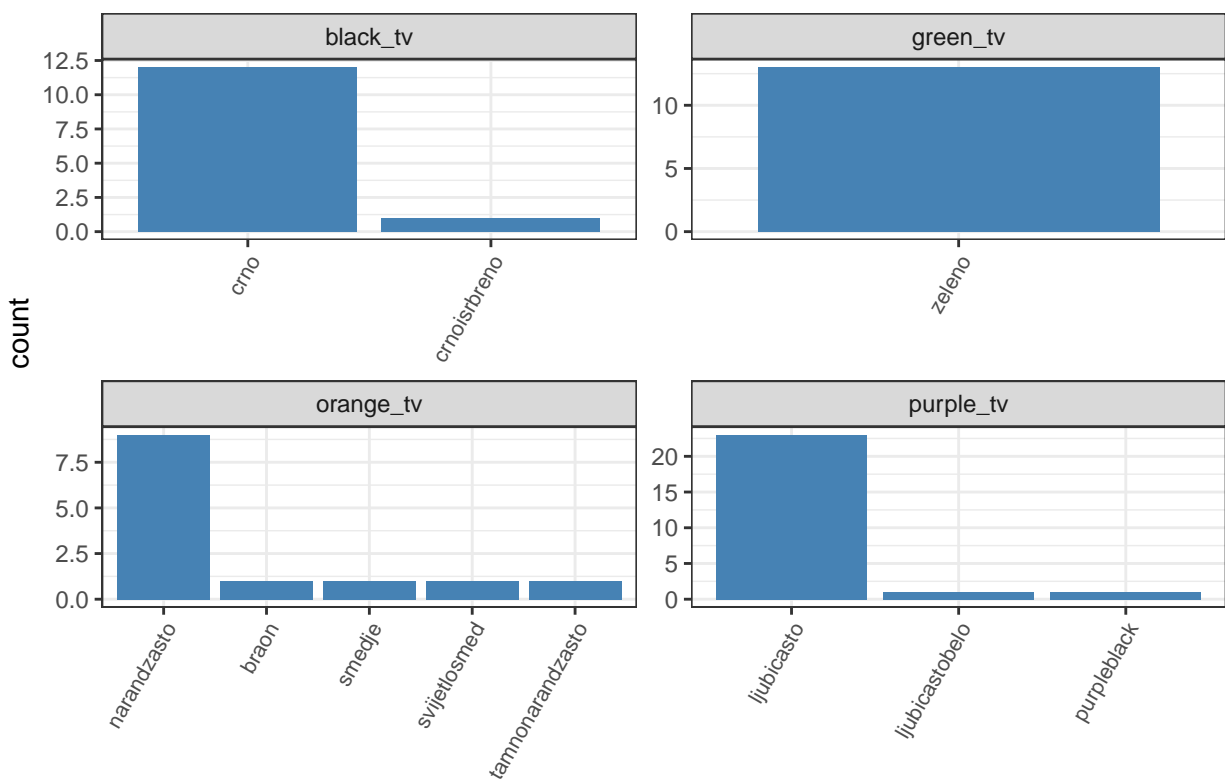


# truck



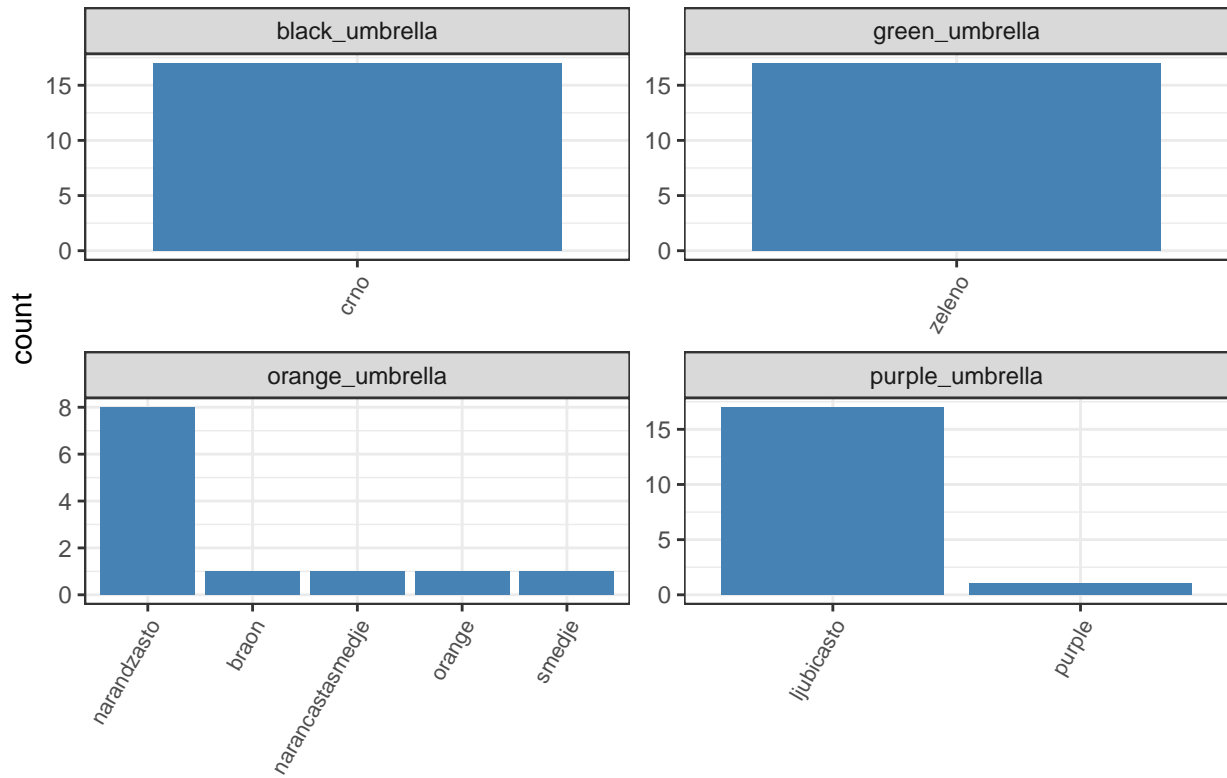
##  
## [[100]]

tv



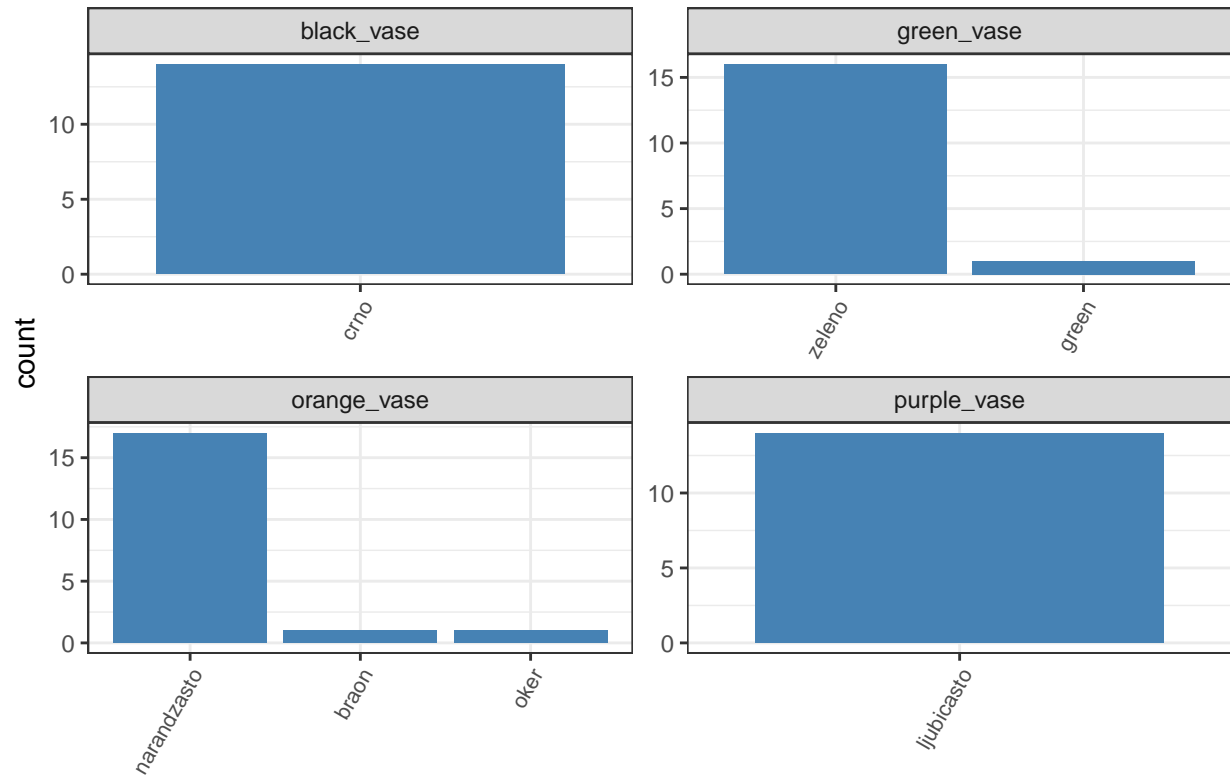
##  
## [[101]]

# umbrella



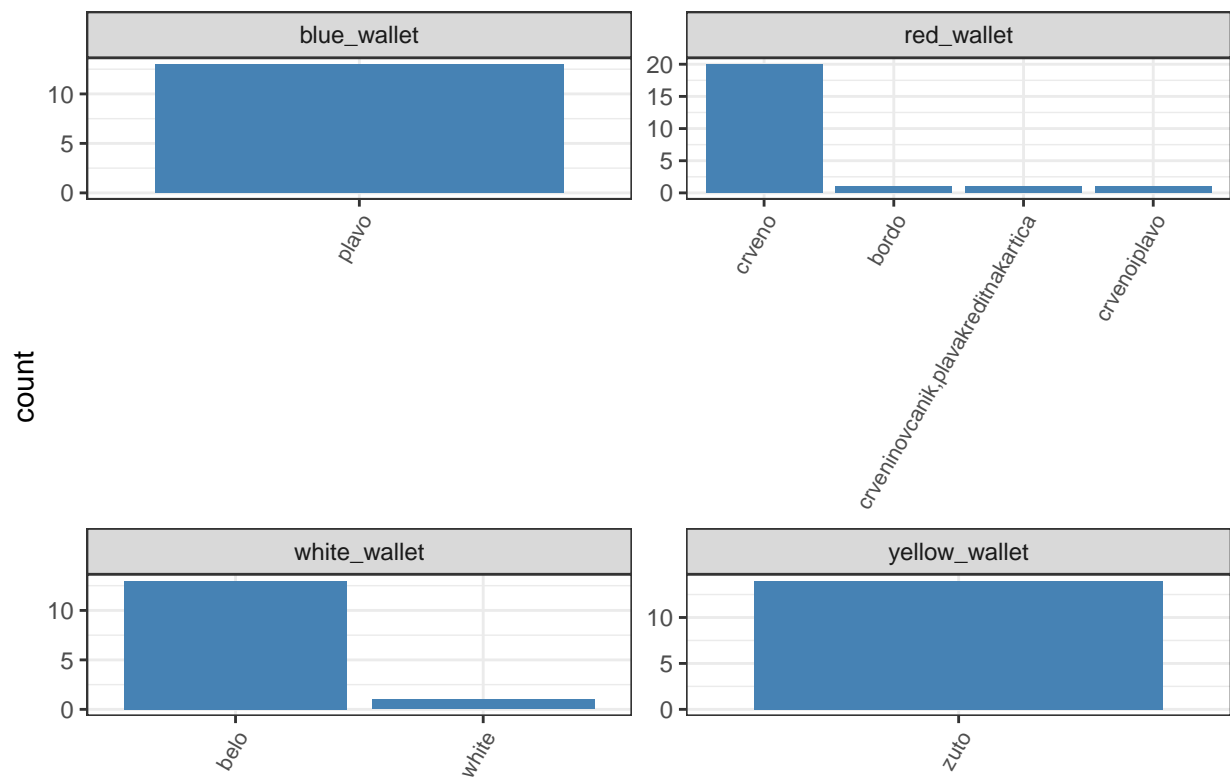
##  
## [[102]]

## vase



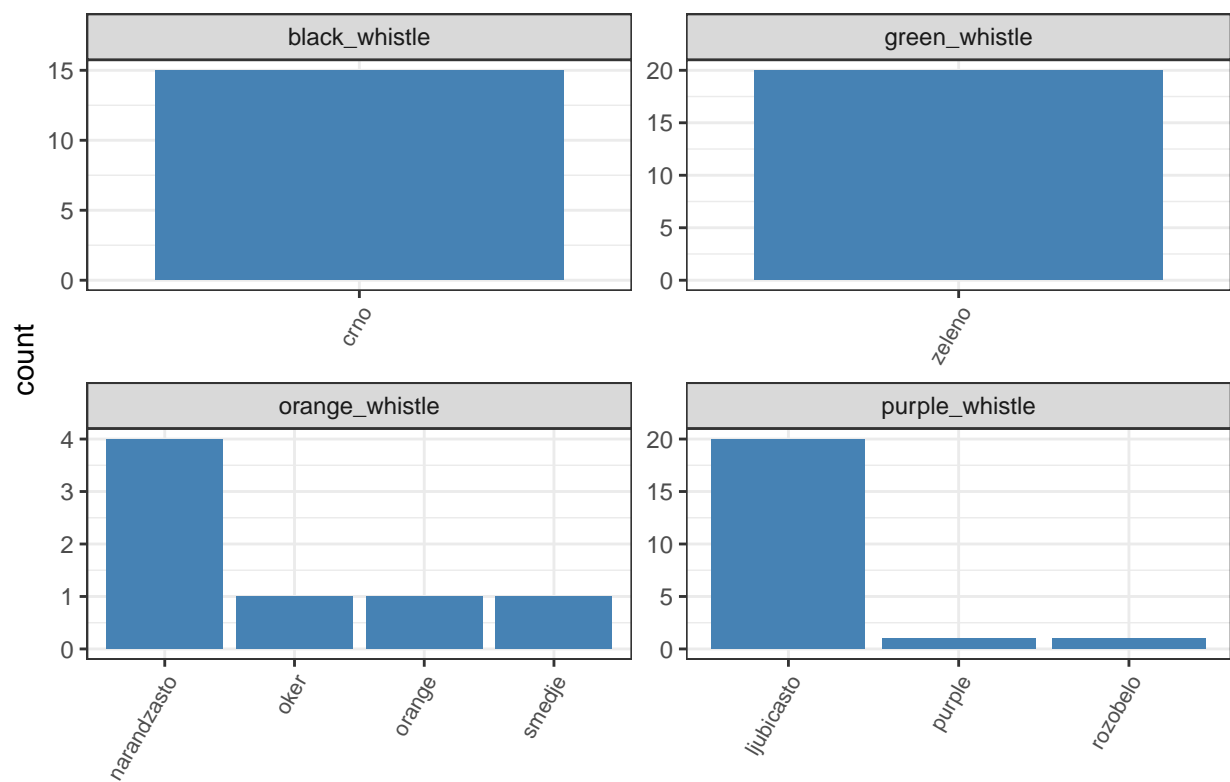
```
##  
## [[103]]
```

# wallet



```
##  
## [[104]]
```

# whistle



##  
## [[105]]

# yarn

