



R: writing percentage as label in ggplot geom_bar fill

this might be a simple question. I have a big df of clinical data called d.

```
head(d[,c("catCRP", "ageCat")])
  catCRP ageCat
1    <4 (50,66]
2    >4 (40,50]
3    >4 (30,40]
4    <4 (50,66]
5    >4 (30,40]
6    >4 (30,40]
```

I am plotting it with ggplot2:

```
ggplot(d, aes(x=ageCat, fill=catCRP)) + geom_bar(position="fill")
```

In this case, ggplot draws the percentages in each category.

Is it possible to make it add the percentage numbers AND the actual count to the plot?

I'm a beginner, I have looked in all the documentation but I have not found the answer.

[r](#) [ggplot2](#) [labels](#)

edited 2 hours ago



[hrbmstr](#)

32.1k 4 32 66

asked 2 hours ago



[Emos](#)

1 1

See `geom_text` or `geom_label`, maybe. – [alistaire](#) 1 hour ago

Discretizing data often distorts or obscures the finer points of relationships between continuous variables. You might also want to try: `ggplot(d, aes(CRP, group=ageCat)) + geom_density()` or `ggplot(d, aes(y=CRP, x=age)) + geom_density_2d()` – [42](#) 1 hour ago

1 Answer

```
library(ggplot2)
library(dplyr)

d <- data.frame(ageCat = rep(1:5, each=20)
               ,catCRP = rep(1:5,20))

p <- d %>% group_by(ageCat, catCRP) %>% summarise(n = n()) %>%
  mutate(p = n/sum(n))

p1 <- ggplot(p,aes(x=ageCat,y=p, fill=catCRP))+geom_bar(stat = "identity",
position="fill") + theme_bw()
p1 + geom_text(aes(label = paste0(n," (",p*100,"%)")), size = 3, hjust = 0.5, vjust = 3,
position = "stack")
```

answered 1 hour ago



[Wietze314](#)

1,247 6 17

To ensure that the y axis is depicted as a percentage use the `scale` package and then append `scale_y_continuous(label = percent)` – [Jacob H](#) 1 hour ago
