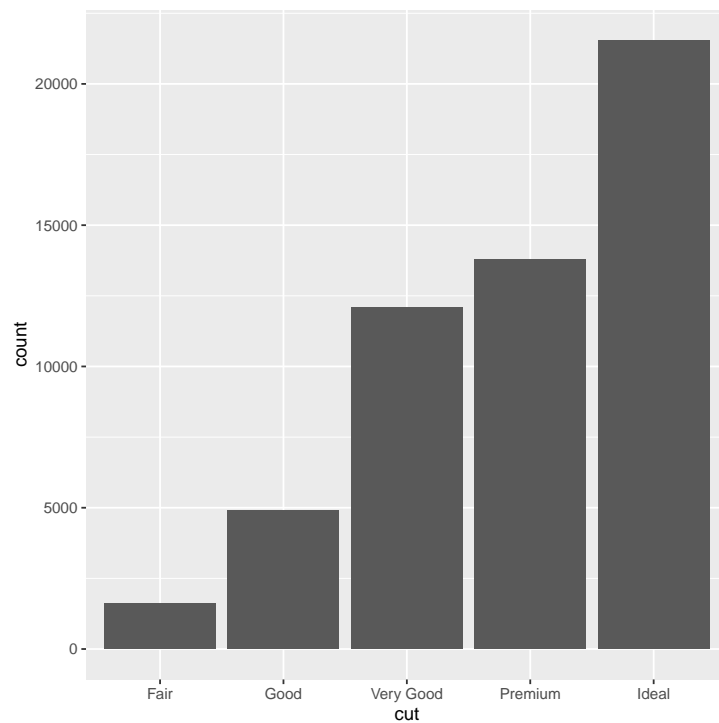


```

> library(tidyverse)
> library(readxl)
> raclav19 <- read_excel("~/Scrivania/Trasfusionale/datiprover/raclav19.xls")
> raclav19ce <- filter(raclav19, cod_emc=="25")
> # select per colonne; filter per righe.
> scarico19 <- read_excel("~/Scrivania/Trasfusionale/datiprover/scarico19.xls")

> ggplot(data = diamonds) + geom_bar(mapping = aes(x = cut))

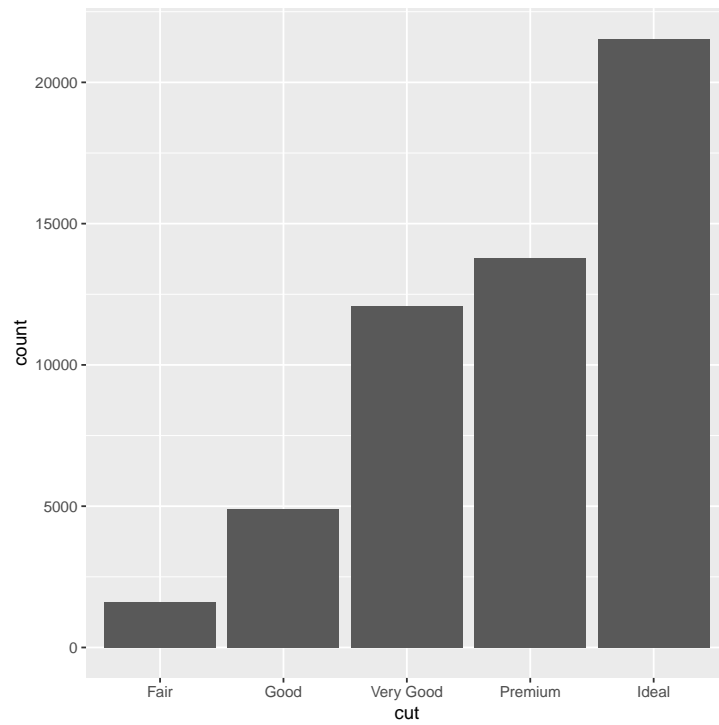
```



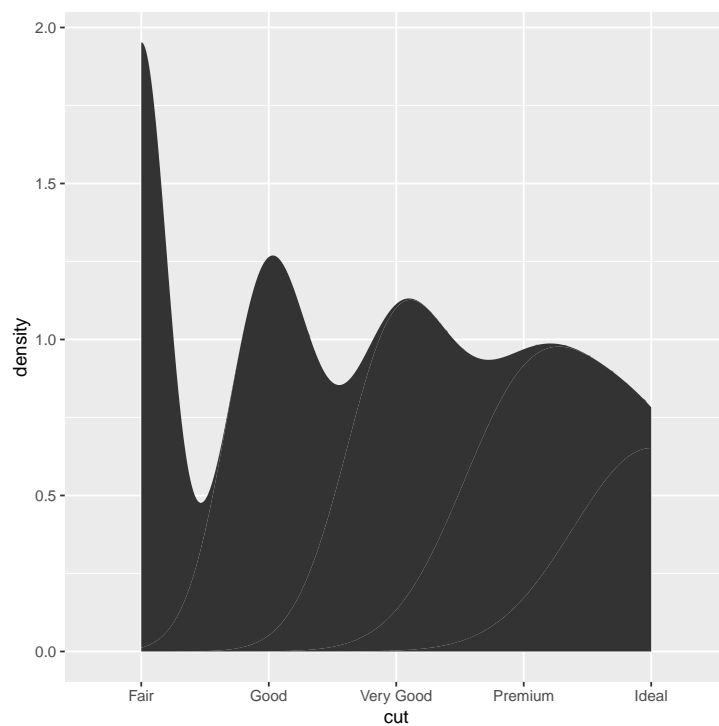
```

> ggplot(data = diamonds) + stat_count(mapping = aes(x = cut))

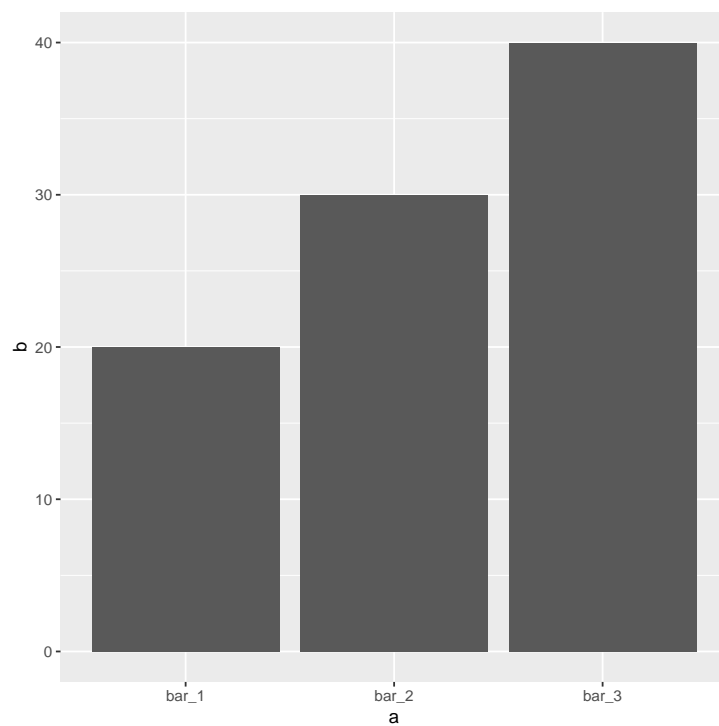
```



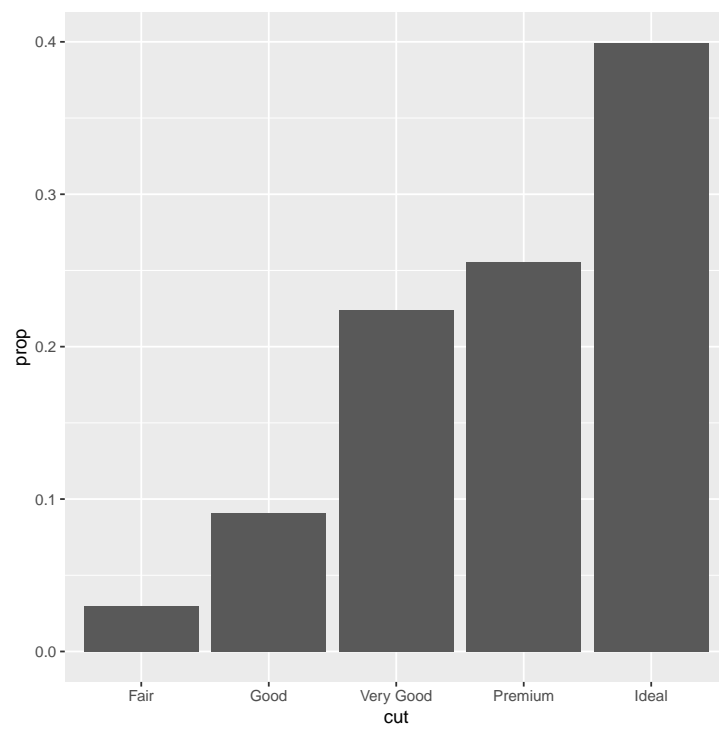
```
> ggplot(data = diamonds) + stat_density(mapping = aes(x = cut))
```



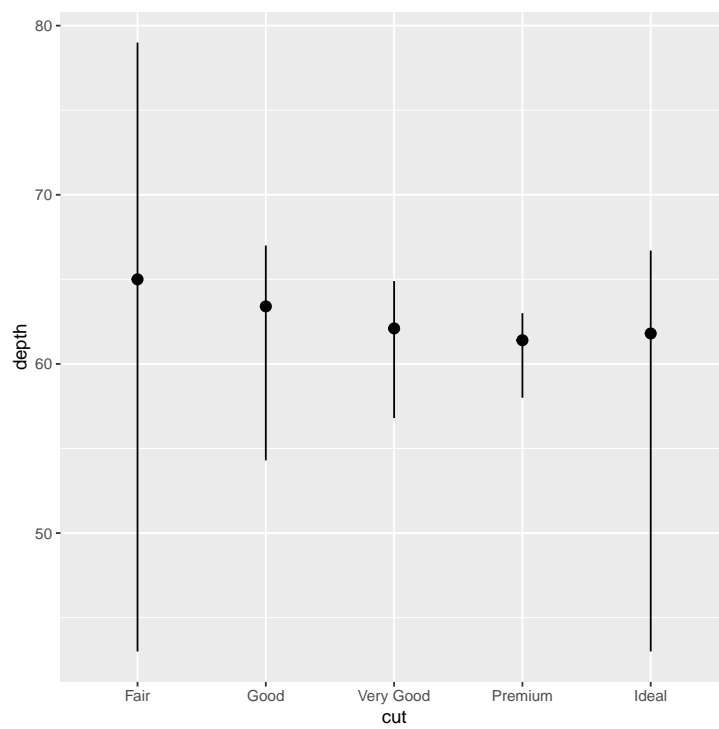
```
> demo <- tribble(
+   ~a,
+   ~b,
+   "bar_1", 20,
+   "bar_2", 30,
+   "bar_3", 40
+ )
> ggplot(data = demo) +
+   geom_bar(
+     mapping = aes(x = a, y = b), stat = "identity"
+   )
```



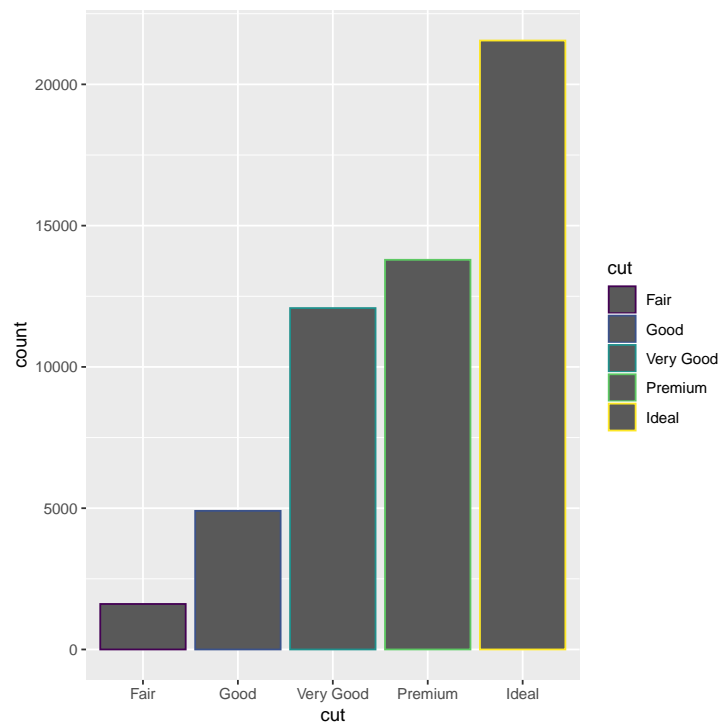
```
> # In Percentuale proporzione  
> ggplot(data = diamonds) +  
+ geom_bar(  
+ mapping = aes(x = cut, y = ..prop.., group = 1))
```



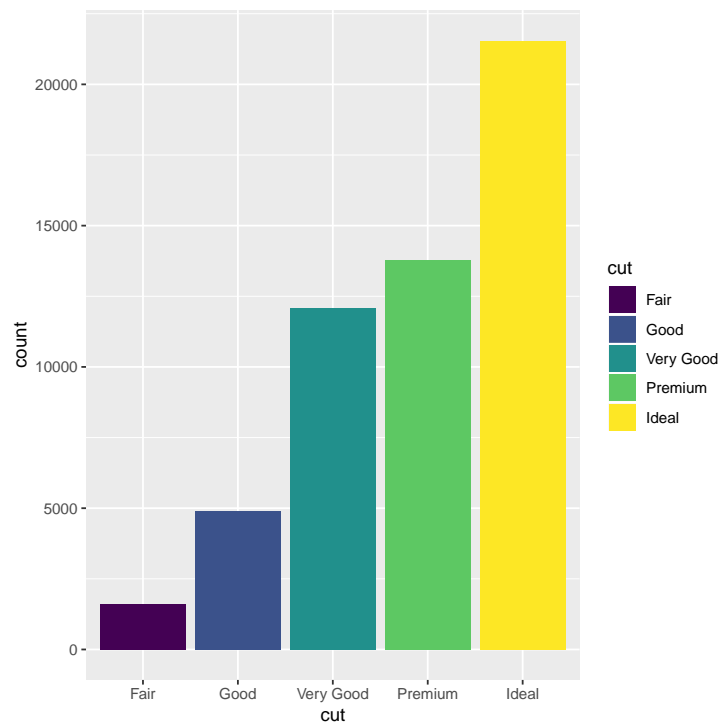
```
> ggplot(data = diamonds) +  
+ stat_summary(  
+ mapping = aes(x = cut, y = depth),  
+ fun.ymin = min,  
+ fun.ymax = max,  
+ fun.y = median  
+ )
```



```
> ggplot(data = diamonds) +  
+ geom_bar(mapping = aes(x = cut, color = cut))
```

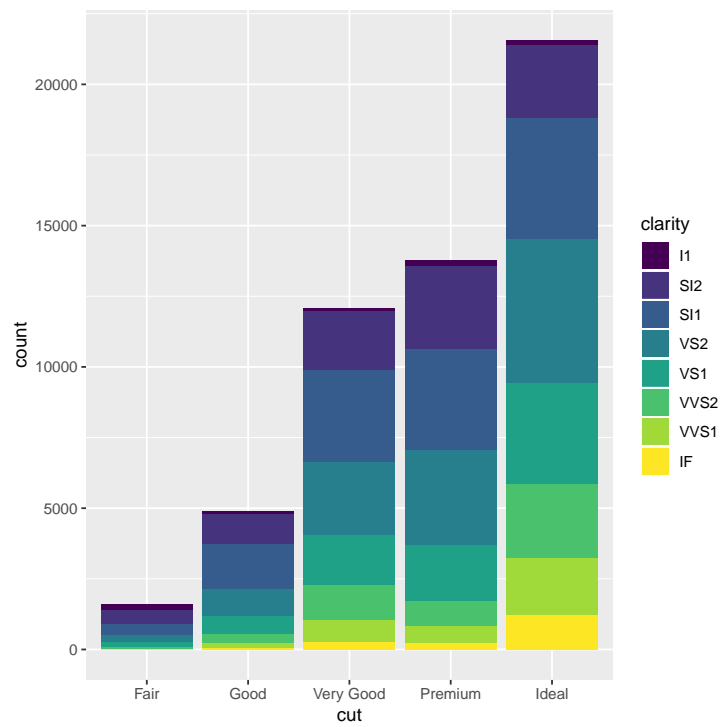


```
> ggplot(data = diamonds) +  
+ geom_bar(mapping = aes(x = cut, fill = cut))
```

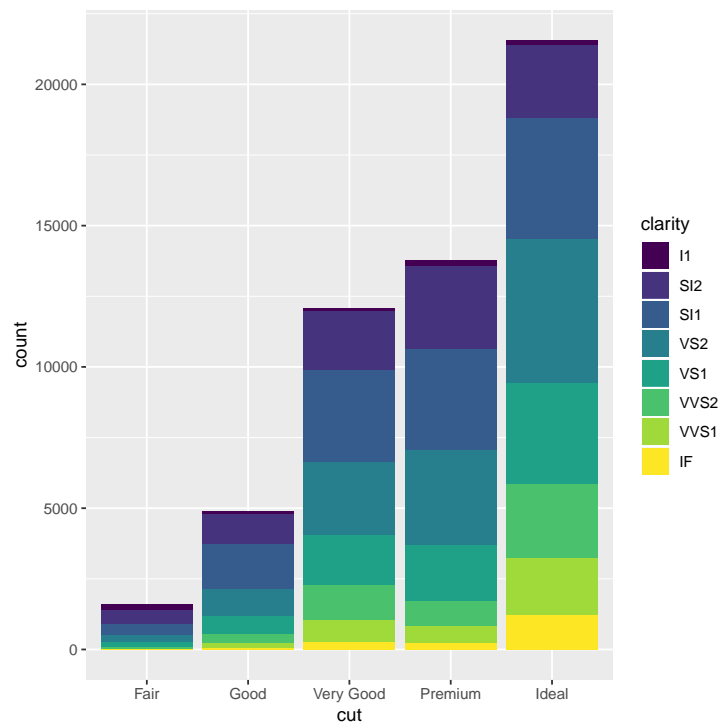


```
> ggplot(data = diamonds) +  
+ geom_bar(mapping = aes(x = cut, fill = clarity))
```

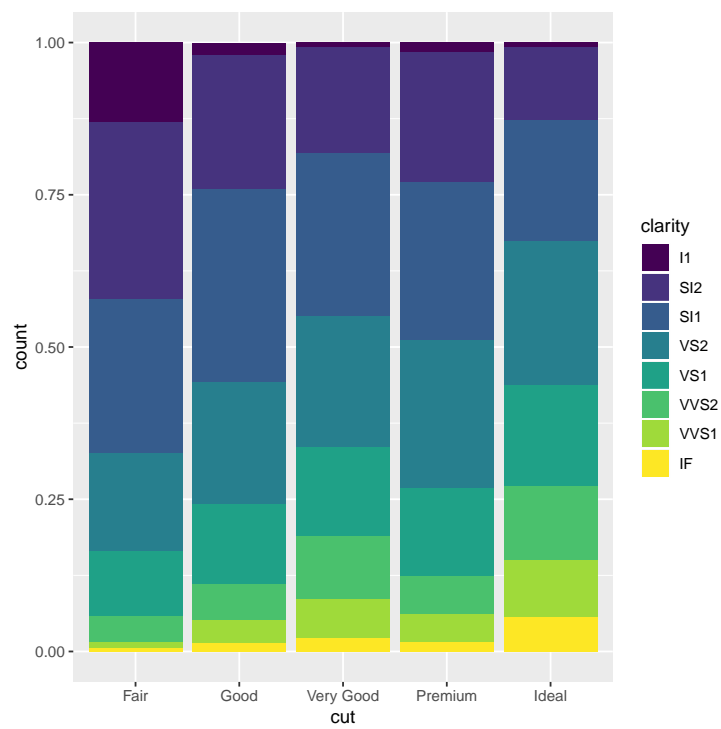




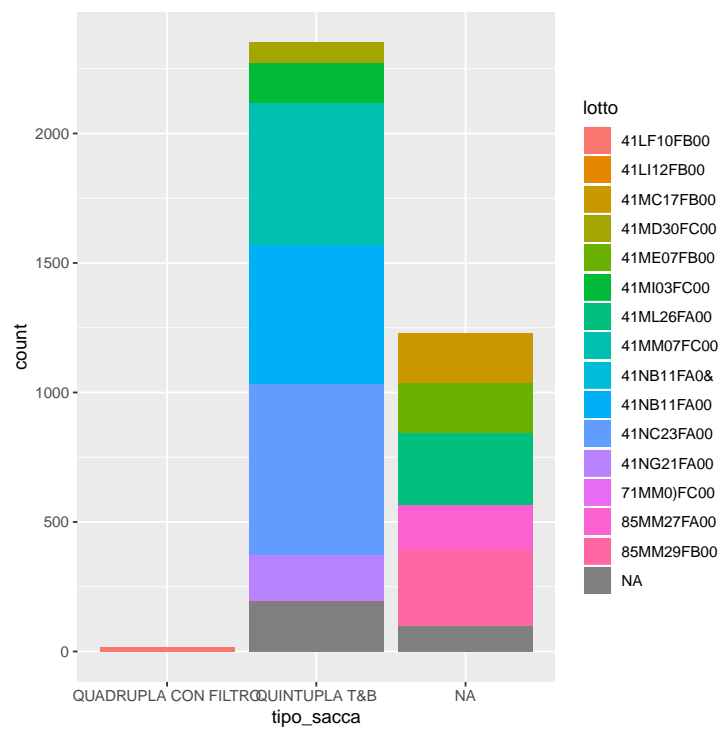
```
> ggplot(data = diamonds) + geom_bar(mapping = aes(x = cut, fill = clarity))
```



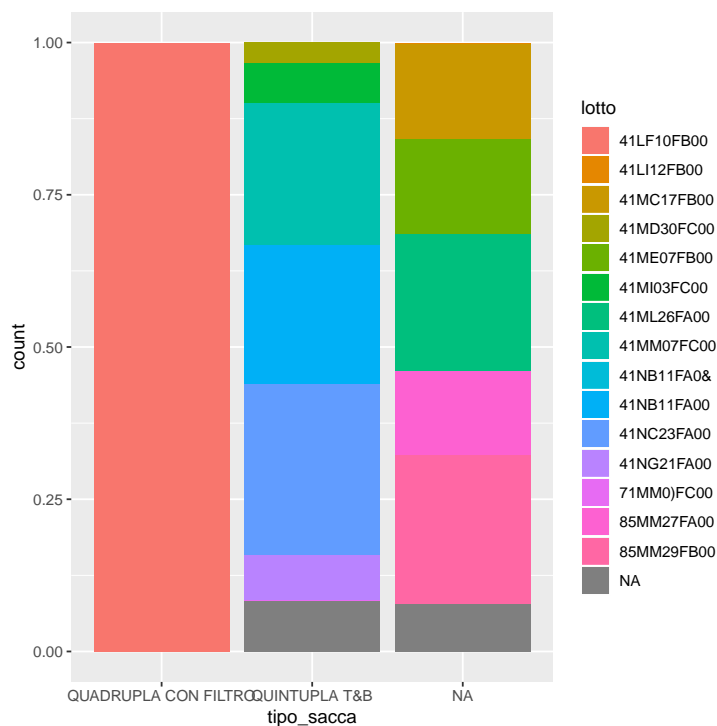
```
> ggplot(data = diamonds) + geom_bar(mapping = aes(x = cut, fill = clarity), position = "fill")
```



```
> ggplot(data = raclav19ce) + geom_bar(mapping = aes(x = tipo_sacca, fill = lotto))
```



```
> ggplot(data = raclav19ce) + geom_bar(mapping = aes(x = tipo_sacca, fill = lotto),
+ position = "fill"
+ )
```

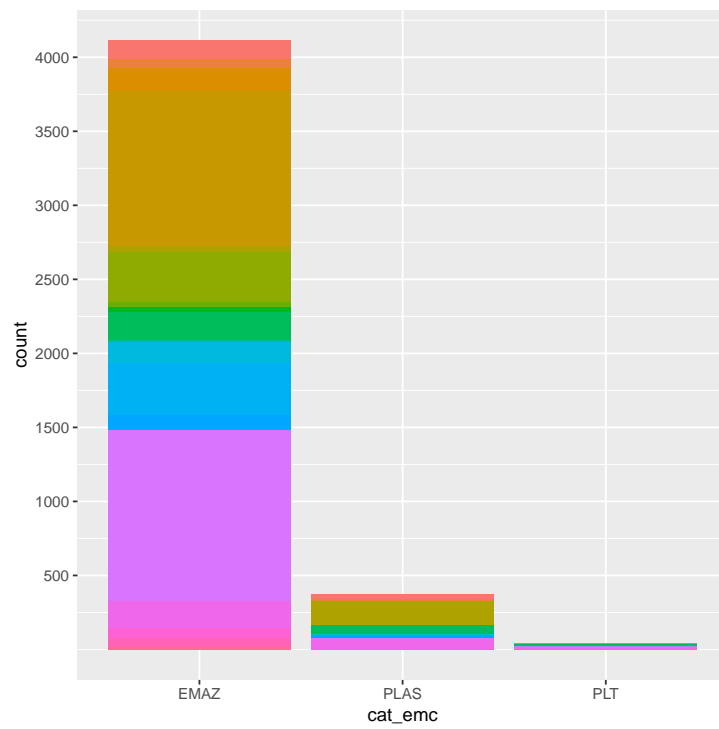


```

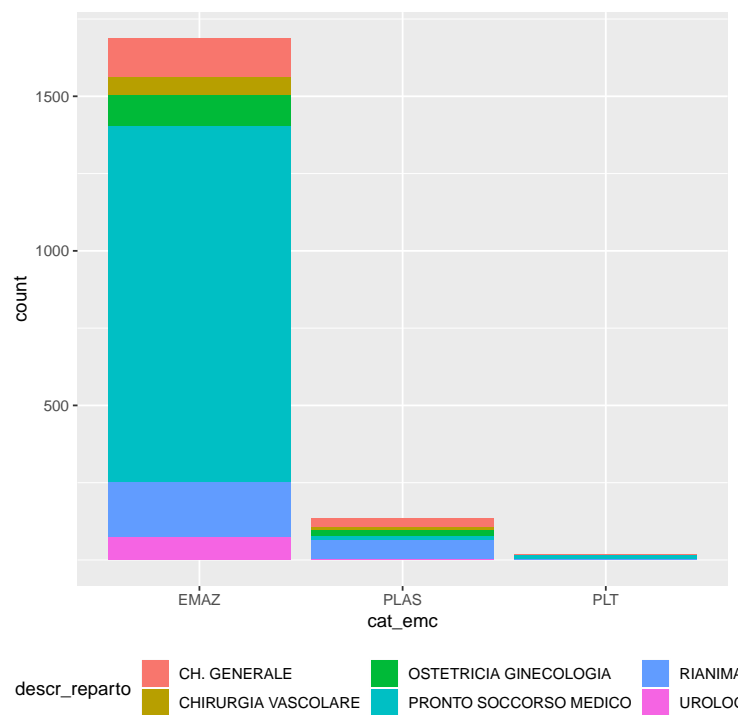
> emcxrep00 <- filter(scarico19, cat_emc != "PLT" | descr_reparto != "ESTERNI TERRITORIO")
> emcxrep0 <- filter(emcxrep00, cat_emc != "SIE" & descr_reparto != "KEDRION")
> emcxrep0chi <- filter(emcxrep0, descr_reparto == "PRONTO SOCCORSO MEDICO" | descr_reparto != "PRONTO SOCCORSO MEDICO")
> emcxrep0med <- filter(emcxrep0, descr_reparto != "PRONTO SOCCORSO MEDICO" | descr_reparto == "PRONTO SOCCORSO MEDICO")
> emcxrep <- ggplot(data = emcxrep0) + geom_bar(mapping = aes(x = cat_emc, fill = descr_reparto))
> emcxrepchi <- ggplot(data = emcxrep0chi) + geom_bar(mapping = aes(x = cat_emc, fill = descr_reparto))
> emcxrepmed <- ggplot(data = emcxrep0med) + geom_bar(mapping = aes(x = cat_emc, fill = descr_reparto))

> emcxrep + theme(legend.position = "none") + scale_y_continuous(breaks = seq(500, 4000, by = 500))

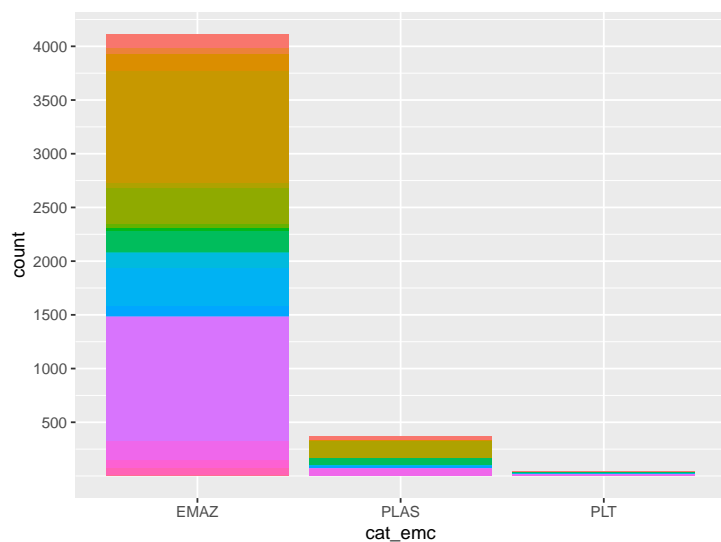
```



```
> emcxrepchi + theme(legend.position = "bottom") + scale_y_continuous(breaks = seq(500, 4000, 500))
+ guides( color = guide_legend( nrow = 3, override.aes = list(size = 2)))
```



```
> emcxrepmed + theme(legend.position = "bottom") + scale_y_continuous(breaks = seq(500, 4000, 500))
+ guides( color = guide_legend (ncol= 2, nrow = 10, override.aes = list(size = 2)))
```



RALE  
 A VASCOLARE  
 .ANNA AG  
 'ITAL EMATOLOGIA  
 SI

ESTERNI TERRITORIO  
 HOSPICE  
 LUNGODEGENZA  
 MEDICINA  
 MEDICINA FISICA E RIABILITATIVA

NEONATOLOGIA  
 NEUROLOGIA  
 ONCOLOGIA  
 ORTOPEDIA I  
 OSTETRICIA GINECOLOGIA

C  
 F  
 F  
 F  
 U

```
> scarico19 %>% filter(descr_reparto=="ORTOPEDIA I") %>% count(codice_anagrafico_individuale)
```

```
# A tibble: 201 x 2
```

	codice_anagrafico_individuale	n
	<dbl>	<int>
1	6034	1
2	12792	2
3	12964	1
4	13446	1
5	15901	1
6	16296	3
7	17259	1
8	20201	1
9	21610	1
10	22065	3

```
# ... with 191 more rows
```

```
> scarico19 %>% filter(descr_reparto=="PRONTO SOCCORSO MEDICO") %>% count(codice_anagrafico_individuale)
```

```
# A tibble: 434 x 2
```

	codice_anagrafico_individuale	n
	<dbl>	<int>
1	5847	2



```

2           6530      2
3           7464      2
4           9723      2
5          10704      5
6          13737      3
7          15480      2
8          15482      7
9          15784      3
10         16048      4

```

```
# ... with 424 more rows
```

```
>
```

```
> tapply(scarico19$visualizzaLivello, scarico19$descr_reparto, length)
```

CH. GENERALE	CHIRURGIA VASCOLARE
154	69
CLINICA S.ANNA AG	DAY HOSPITAL EMATOLOGIA
159	1052
EMODIALISI	ESTERNI TERRITORIO
199	622
HOSPICE	LUNGODEGENZA
37	35
MEDICINA	MEDICINA FISICA E RIABILITATIVA
259	7
NEONATOLOGIA	NEUROLOGIA
1	8
ONCOLOGIA	ORTOPEDIA I
147	355
OSTETRICIA GINECOLOGIA	OTORINOLARINGOIATRIA
117	2
PEDIATRIA	PRONTO SOCCORSO MEDICO
5	1178
RIANIMAZIONE	UROLOGIA
246	78
UTIC	UTIN
58	23

```
> tapply(scarico19$visualizzaLivello, scarico19$cat_emc, length)
```

```
EMAZ PLAS PLT SIE
4134 3835 325 13
```

```
> tapply(scarico19$visualizzaLivello, scarico19$cat_emc, length)
```

```
EMAZ PLAS PLT SIE
4134 3835 325 13
```

```
> nsaccheperpaz <- tapply(scarico19$codice_anagrafico_individuale, scarico19$descr_reparto,
```