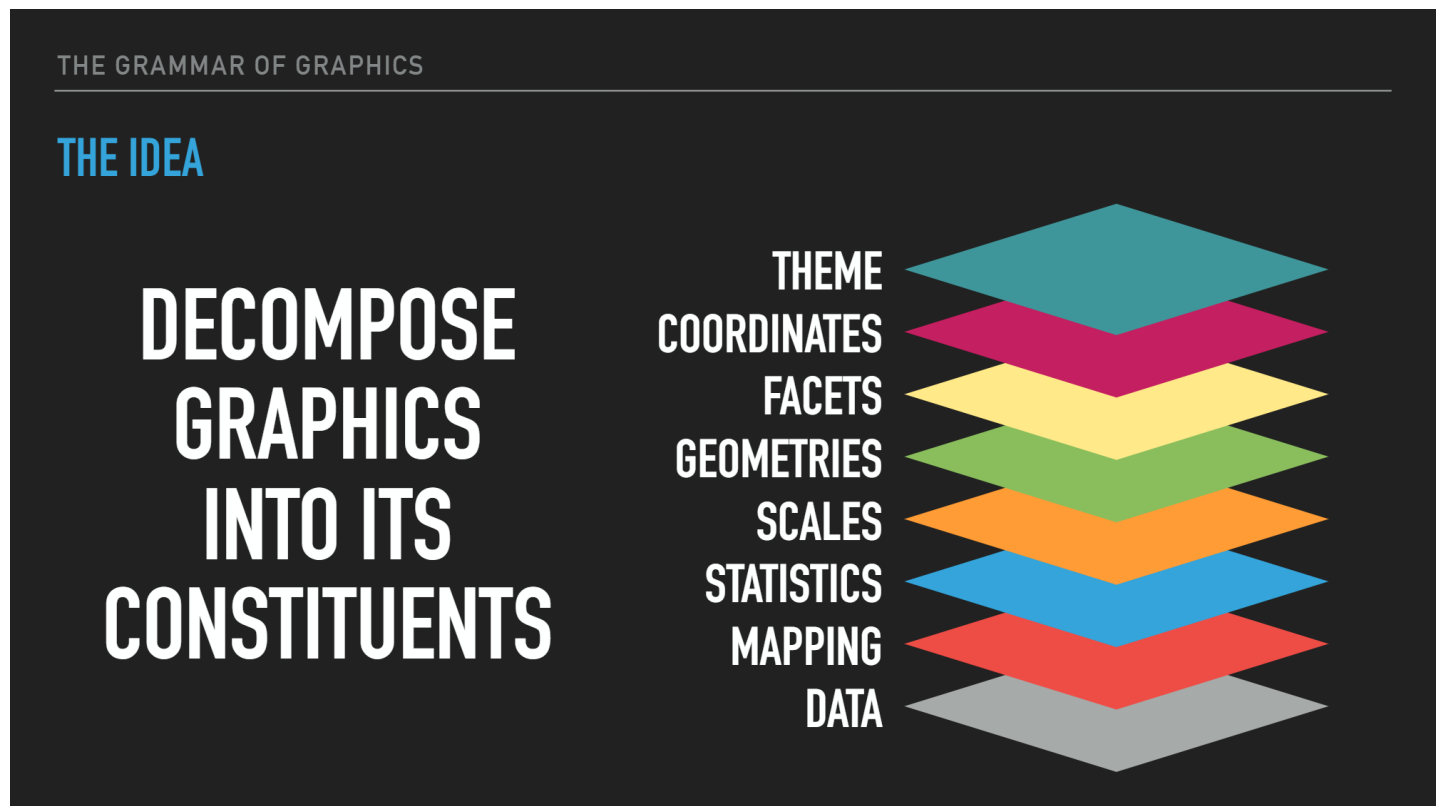


# Visualizing data

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9/14/2020

## Components

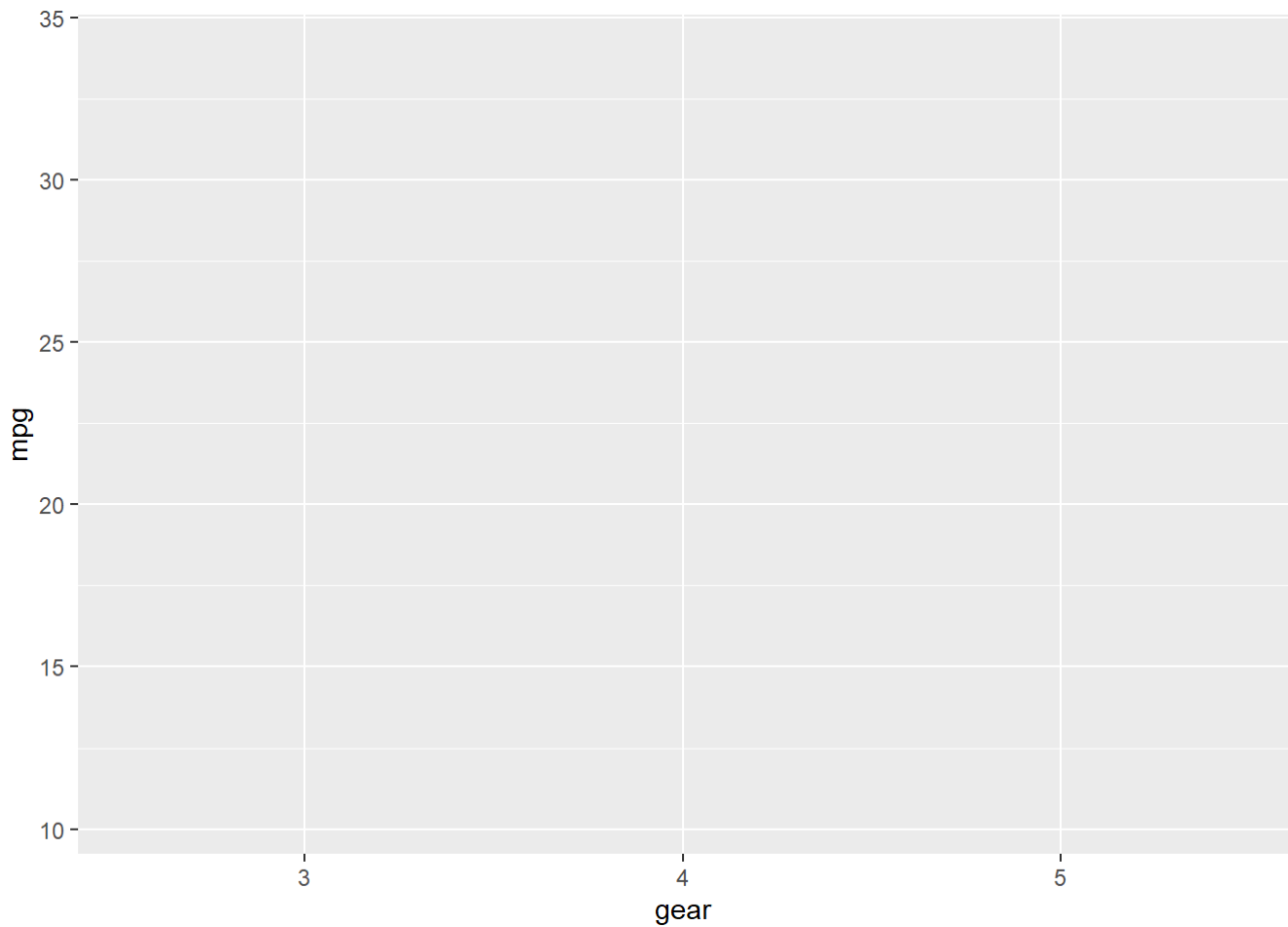


## Data

```
##      mpg cyl  disp  hp  drat    wt  qsec vs  am  gear  carb
## 1  21.0   6   160   110  3.90  2.620 16.46  0   1    4     4
## 2  21.0   6   160   110  3.90  2.875 17.02  0   1    4     4
## 3  22.8   4   108   93   3.85  2.320 18.61  1   1    4     1
## 4  21.4   6   258   110  3.08  3.215 19.44  1   0    3     1
## 5  18.7   8   360   175  3.15  3.440 17.02  0   0    3     2
## 6  18.1   6   225   105  2.76  3.460 20.22  1   0    3     1
```

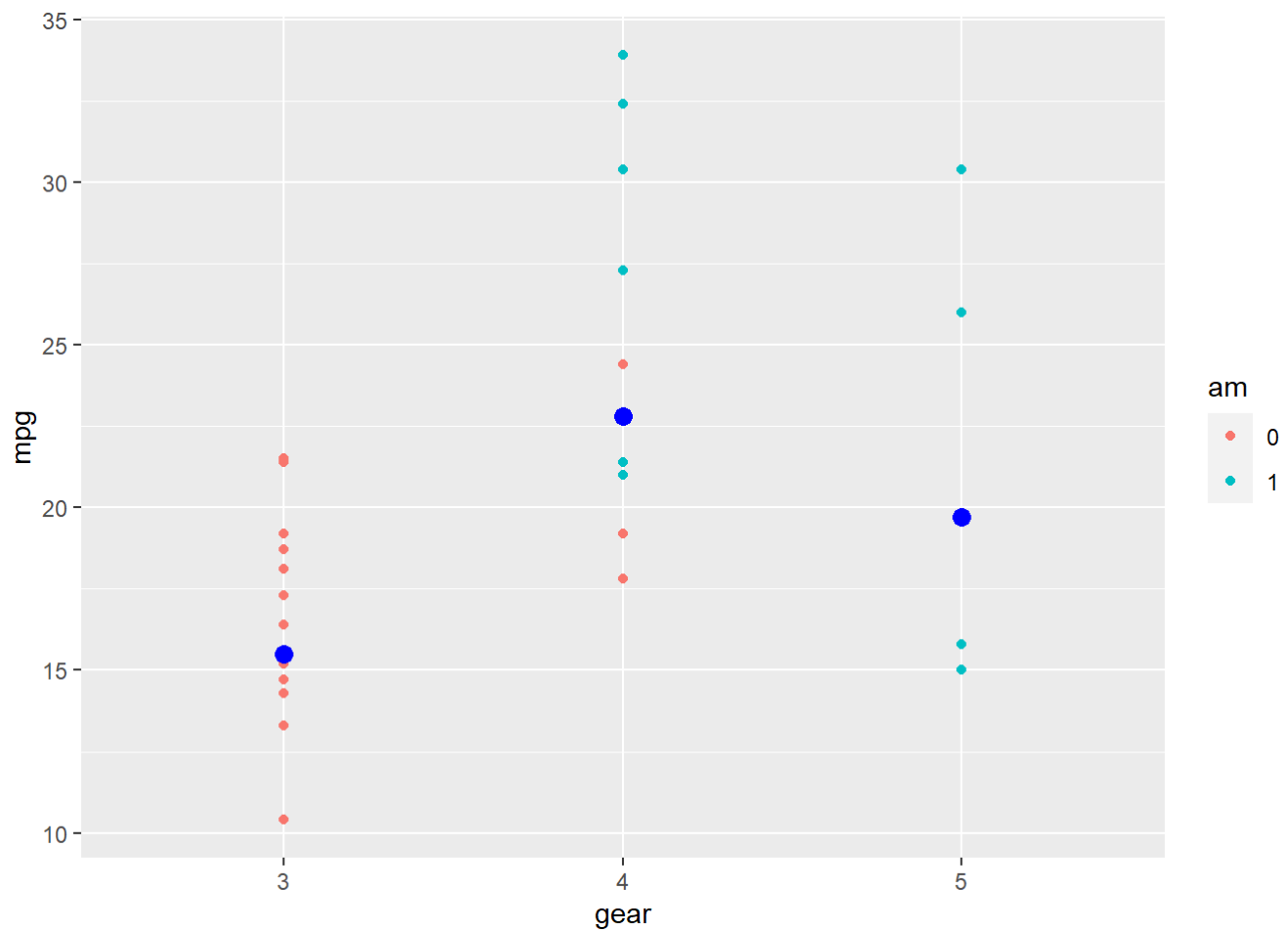
## Mapping

```
ggplot(data = df, aes(x = gear, y = mpg, color = am))
```



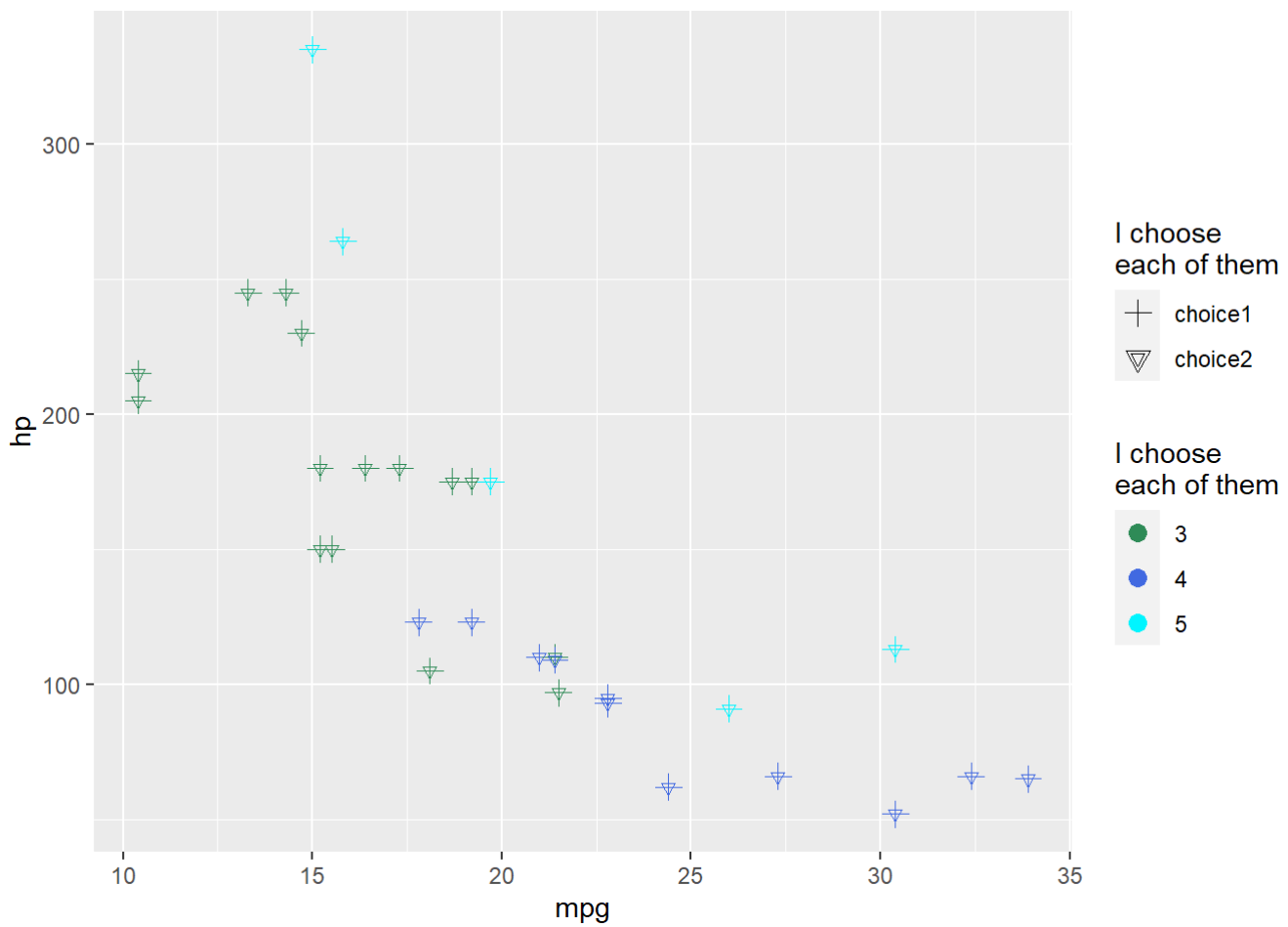
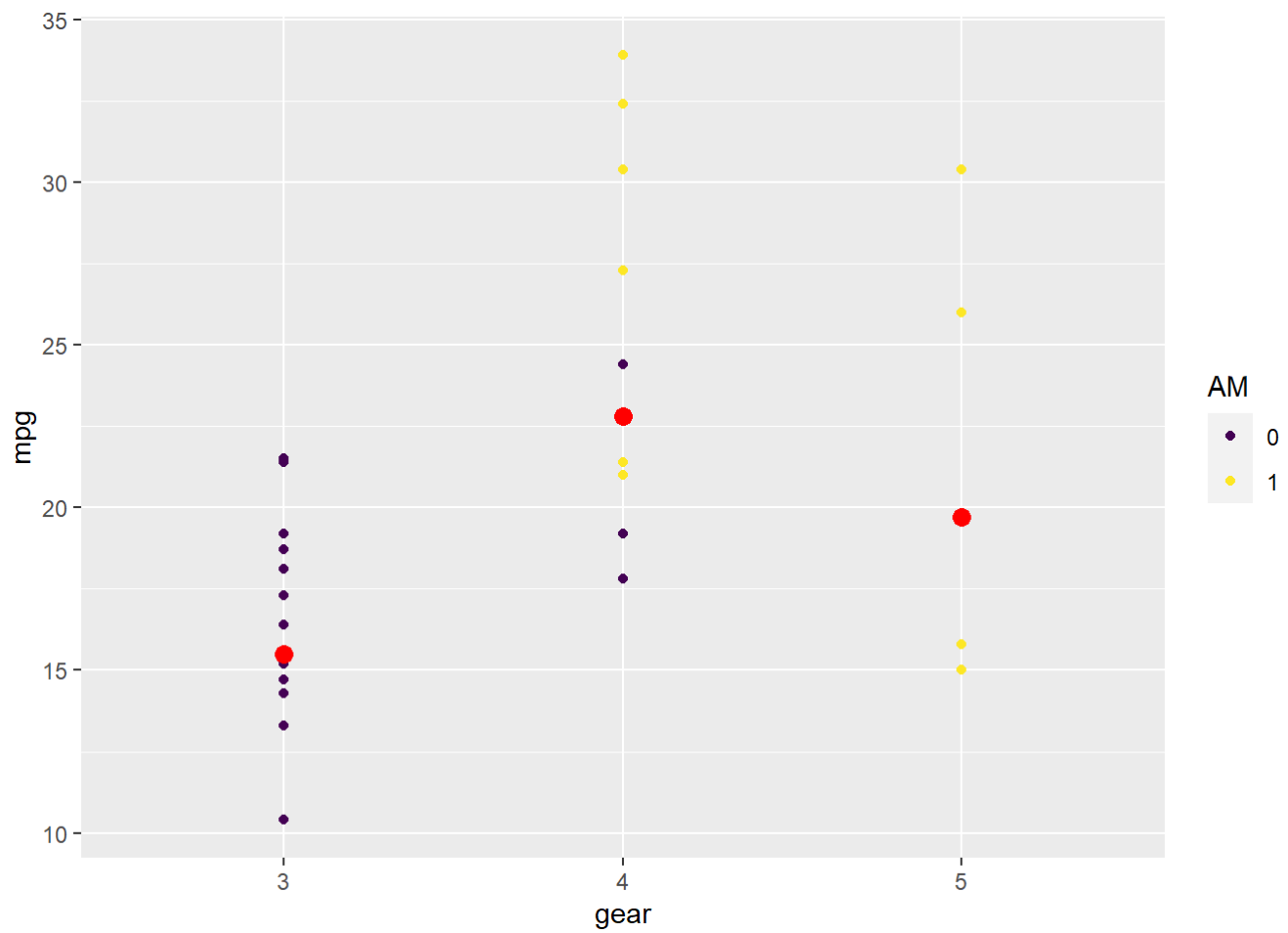
## Geometry ans Stats

```
df %>%  
  ggplot(aes(gear, mpg, color = am)) +  
  geom_point() +  
  stat_summary(geom = "point", fun = "median", colour = "blue", size = 3)
```



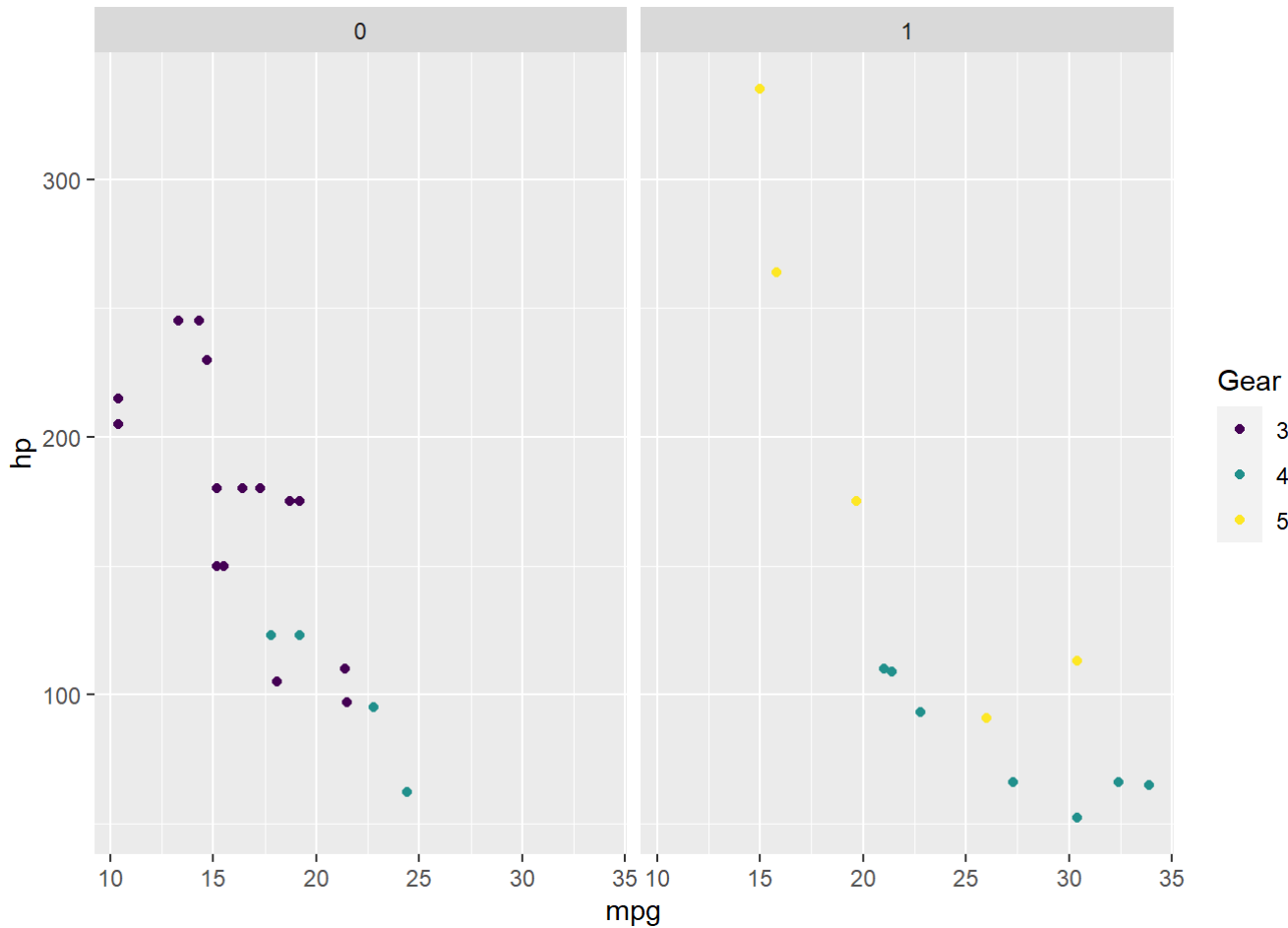
## Scale

```
df %>%  
  ggplot(aes(gear, mpg, color = am)) +  
  geom_point() +  
  stat_summary(geom = "point", fun = "median", colour = "red", size = 3) +  
  scale_color_viridis_d(name = "AM")
```



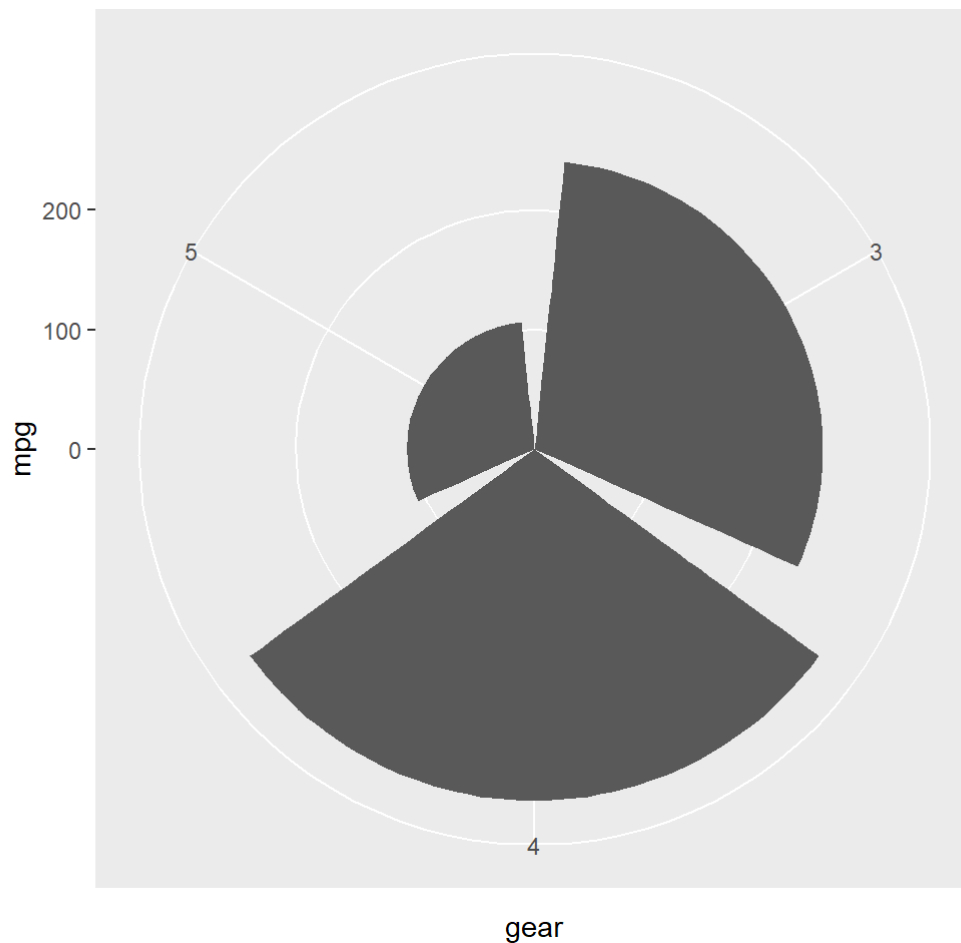
# Facet

```
df %>%  
  ggplot(aes(mpg, hp, color = gear)) +  
  geom_point() +  
  scale_color_viridis_d(name = "Gear") +  
  facet_wrap(~am)
```



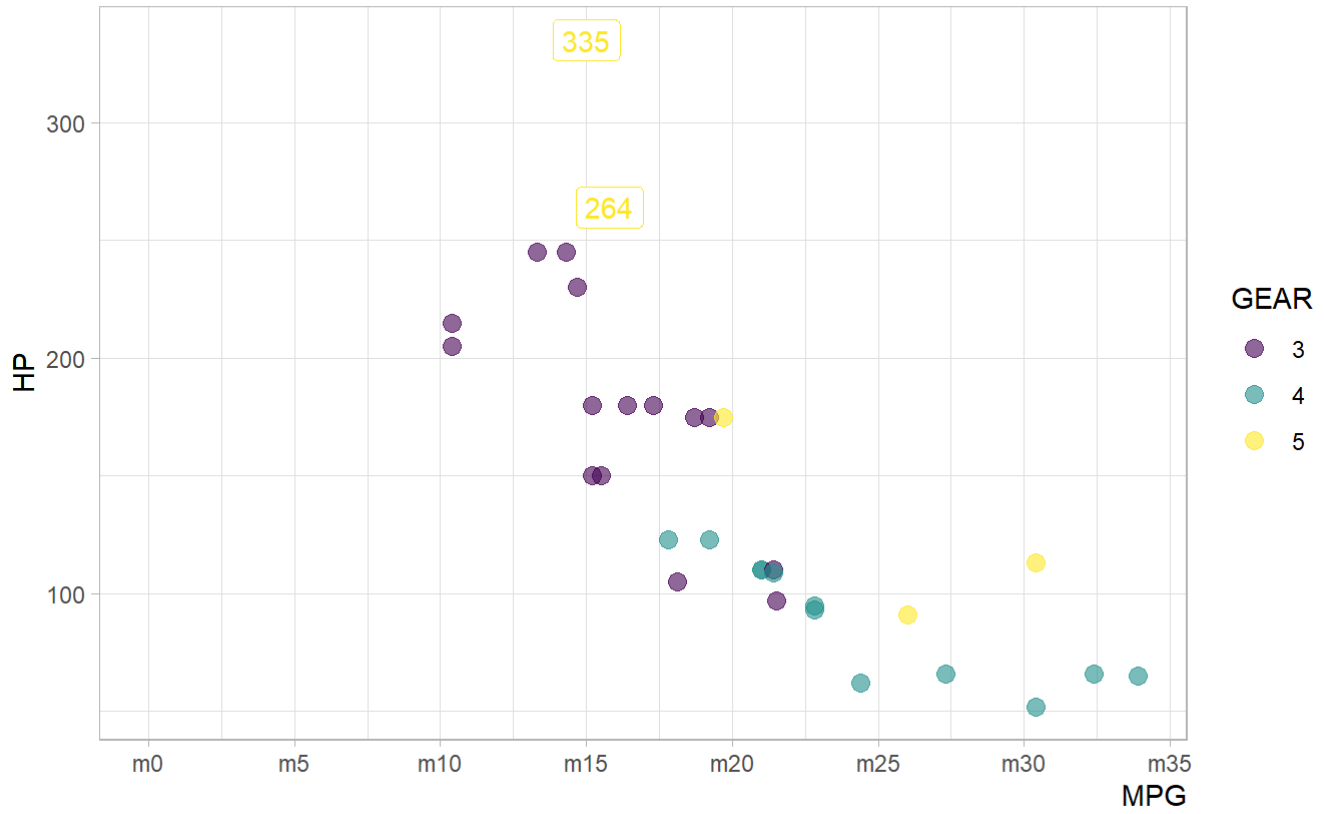
# Coordinate

```
df %>%  
  ggplot(aes(gear, mpg)) +  
  geom_col() +  
  coord_polar()
```



## My First Plot

About mtcars dataset



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# Practice

Highlight Those Points

