```
geom histogram()
geom histogram(
  mapping = NULL,
  data = NULL,
  stat = "bin",
  position = "stack",
  binwidth = NULL,
  bins = NULL,
  na.rm = FALSE
  orientation = NA,
  show.legend = NA,
  inherit.aes = TRUE
```

## **Computed variables**

```
count
   number of points in bin
density
   density of points in bin, scaled to integrate to 1
ncount
   count, scaled to maximum of 1
ndensity
   density, scaled to maximum of 1
```

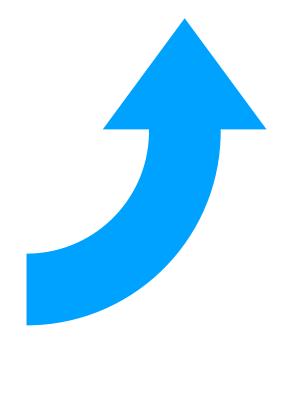
## aes(y=stat(density))

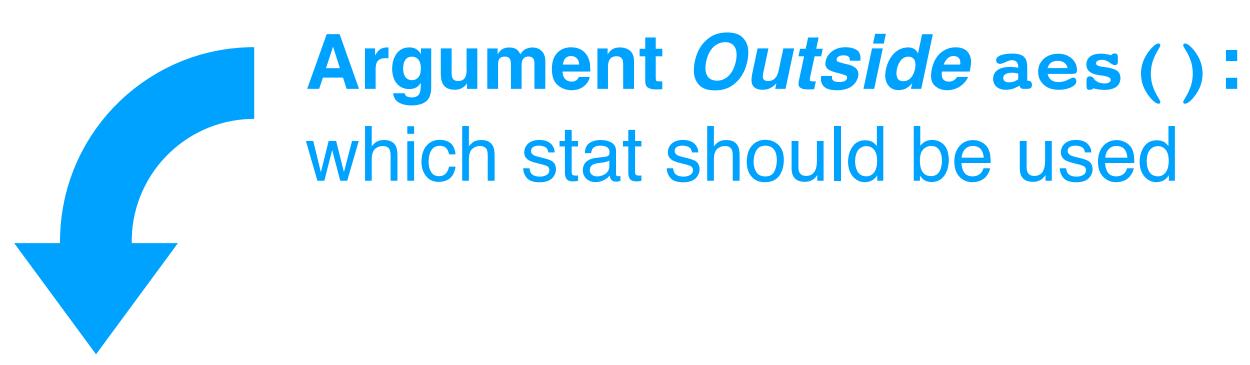
```
geom histogram()
geom histogram(
                              Computed variables
  mapping = NULL,
  data = NULL,
                              count
  stat = "bin",
                                 number of points in bin
  position = "stack",
                              density
                                 density of points in bin, scaled to integrate to 1
  binwidth = NULL,
                               ncount
  bins = NULL,
                                 count, scaled to maximum of 1
  na.rm = FALSE,
                              ndensity
  orientation = NA,
                                 density, scaled to maximum of 1
  show.legend = NA,
  inherit.aes = TRUE
```

aes(y=stat(density))

```
ggplot(mpg, aes(hwy)) +
geom histogram(bins=20, aes(y=stat(density)))
```

Function *Inside* aes(): use a variable computed by the stat





```
ggplot(mpg, aes(hwy)) +
  geom_histogram(stat="bin", bins=20)
```