```r
library(dplyr)
```

```
##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##     filter, lag

## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```r
reds <- read.csv("winequality-red.csv", sep = ";")
whites <- read.csv("winequality-white.csv", sep = ";")

whites[,13] = 0
reds[,13] = 1
wines = rbind(whites, reds)
#data set to classify wines by quality
quality_wines = wines[,1:12]
#data set to classify wines by color
wines = wines %>% rename("type" = "V13")
color_wines = wines[,c(1:11,13)]


write.csv(quality_wines, file = "wine_quality.csv")
write.csv(color_wines, file = "wine_color.csv")
write.csv(wines, file = "wines.csv")
```