

# csc252\_hwk8\_map

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```
## Warning: package 'sf' was built under R version 4.3.2

## Linking to GEOS 3.11.2, GDAL 3.7.2, PROJ 9.3.0; sf_use_s2() is TRUE

## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
## v dplyr      1.1.2      v readr      2.1.4
## v forcats    1.0.0      v stringr   1.5.0
## v ggplot2     3.4.2      v tibble     3.2.1
## v lubridate  1.9.2      v tidyr      1.3.0
## v purrr       1.0.1
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()     masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors

## Warning: package 'maps' was built under R version 4.3.2

##
## Attaching package: 'maps'
##
## The following object is masked from 'package:purrr':
##
##      map

data(iso3166)  # saves iso3166 encoding of a2, a3, mapnames, regionnames
world_coordinates <- map_data("world")  # map data of world in point form
colors <- read_csv("colors.csv") %>% # color data from my coloring program
  mutate(a2 = Name) %>%
  inner_join(iso3166, by="a2") %>%
  mutate(region=mapname)

## Rows: 249 Columns: 2
## -- Column specification -----
## Delimiter: ","
## chr (2): Name, Color
##
## i Use 'spec()' to retrieve the full column specification for this data.
## i Specify the column types or set 'show_col_types = FALSE' to quiet this message.
```

```
world_map <- world_coordinates %>%
  left_join(colors, by="region")

ggplot() +
  geom_map(data=world_map, map=world_map, aes(long,lat,map_id=region, fill=Color))
```

```
## Warning in geom_map(data = world_map, map = world_map, aes(long, lat, map_id =
## region, : Ignoring unknown aesthetics: x and y
```

