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
```

```r
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
```