Assignment 3 California Map

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library(tidyverse)  
library(sf)

counties <- st\_read(dsn = ".", layer = "california\_county\_shape\_file")

## Reading layer `california\_county\_shape\_file' from data source `C:\Users\Brad\Documents\github\244\Assignment 3\California Map' using driver `ESRI Shapefile'  
## Simple feature collection with 68 features and 9 fields  
## geometry type: POLYGON  
## dimension: XY  
## bbox: xmin: -124.4096 ymin: 32.53416 xmax: -114.1344 ymax: 42.00952  
## epsg (SRID): NA  
## proj4string: NA

parks <- st\_read(dsn = ".", layer = "nps\_boundary")

## Reading layer `nps\_boundary' from data source `C:\Users\Brad\Documents\github\244\Assignment 3\California Map' using driver `ESRI Shapefile'  
## Simple feature collection with 419 features and 11 fields  
## geometry type: MULTIPOLYGON  
## dimension: XY  
## bbox: xmin: -170.7276 ymin: -14.28316 xmax: 145.7318 ymax: 68.65539  
## epsg (SRID): NA  
## proj4string: NA

st\_crs(counties) <- 4326  
st\_crs(parks) <- 4326

ca\_parks <- parks %>%   
 filter(UNIT\_TYPE == "National Park" & STATE == "CA")  
#plot(ca\_parks)

ggplot(ca\_parks) +  
 geom\_sf(data = counties, fill = "gray60", color = "gray") +  
 geom\_sf(aes(color = UNIT\_TYPE), fill = "deepskyblue", color = "deeppink") +  
 theme(panel.grid.major = element\_line(colour = 'transparent'))+  
 theme(axis.text.x = element\_blank(),  
 axis.text.y = element\_blank(),  
 axis.ticks = element\_blank(),  
 rect = element\_blank())

