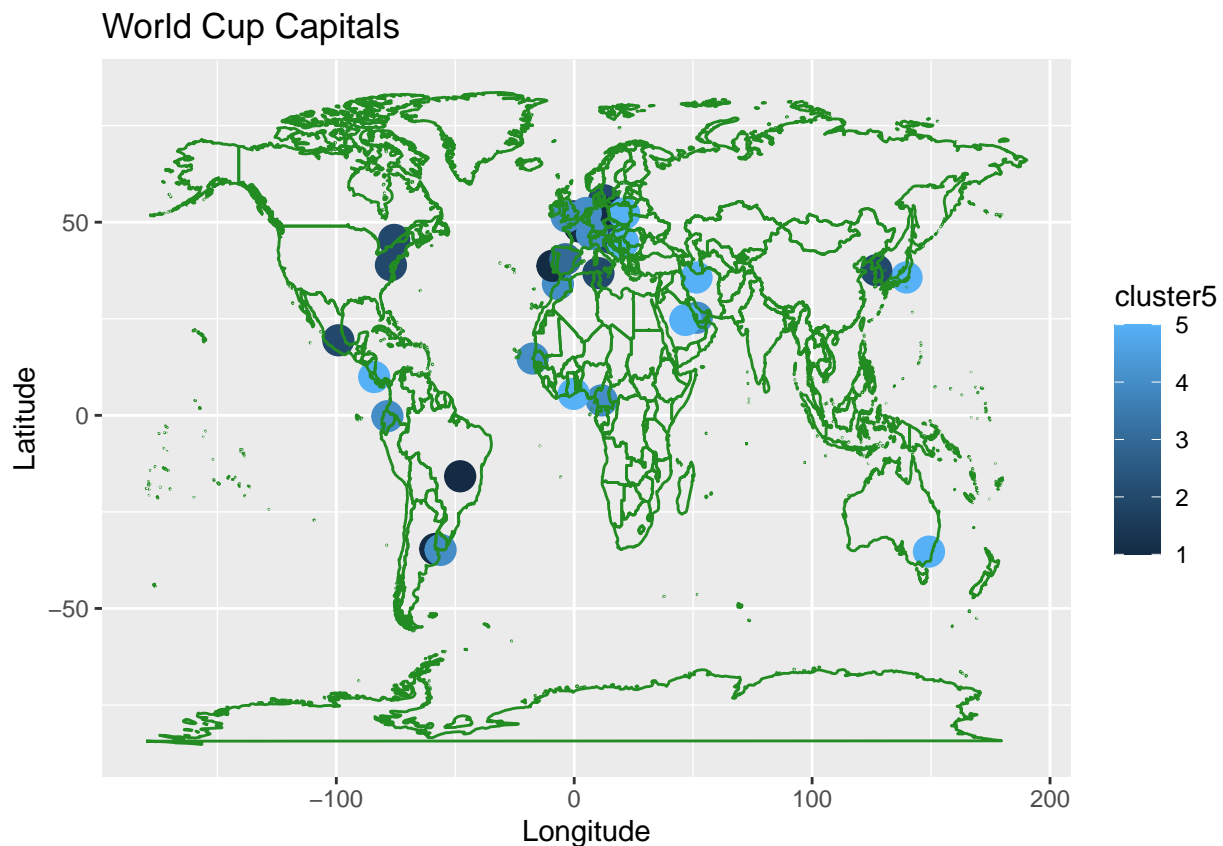# cluster_map

2024-12-07

Let's visualize the clusters on a map.

```r
library(ggplot2)
library(maps)

coords_df <- read.csv("avg_team_data_rank.csv")
map_outline <- map_data("world")

foul_map <- ggplot(coords_df, aes(x = Longitude, y = Latitude, colour = cluster5)) +
    geom_point(size = 5) +
    labs(x = "Longitude", y = "Latitude", title = "World Cup Capitals")
# Add the map layer and facet
foul_map <- foul_map +
    geom_path(data = map_outline, aes(x = long, y = lat, group = group), color = "forestgreen")

foul_map
```



```r
ggsave("cluster_map.png")
```

```
## Saving 6.5 x 4.5 in image
```

The clustering on visualized on the map does not appear to reveal any patterns.