

```
#symbol plot

#load ggplot and maps, install if error
#install.packages(c(ggplot2, maps)
library(ggplot2)
library(maps)

#map data
world_map <- map_data("world")

#sample data
cities <- data.frame(name = c("London", "Beijing", "New York", "Sydney"),
  lat = c(51.5074, 39.9042, 40.7128, -33.8688), long = c(-0.1278, 116.4074, -74.0060,
  151.2093),
  value = c(100, 150, 120, 90))

#plot
#add +
ggplot() +
  geom_polygon(data = world_map, aes(x=long, y=lat, group = group), fill = "pink", color =
"purple") +
  geom_point(data = cities, aes(x = long, y = lat, size = value), color = "maroon", alpha
= 0.6) +
  theme_minimal() +
  labs(title = "Sample Symbol Map with Cities", x = "Longitude", y = "Latitude") +
  theme(legend.position = "bottom")
```