

**Disciplina:** Introdução ao Geoprocessamento SER-300

**Discente:** Gustavo Piva Lopes Salgado

**Registro:** 879821/2023

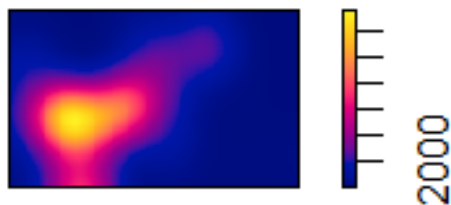
### Atividade 8 - Estimativa de densidade (Kernel) no software R

```
install.packages("sf")
install.packages("spatstat")
install.packages("stars")

coords <- sf::st_coordinates(schoolsdf) %>%
  na.omit()
myppp <- spatstat.geom::as.ppp(coords, sf::st_bbox(schoolsdf))
den1 <- stats::density(myppp)

par(mfrow = c(1, 2))
plot(den1)
plot(myppp)
s1 <- stars::st_as_stars(den1)
stars::write_stars(s1, "myraster.tif")
```

**den1**



**myppp**

