

Homework 1

BST 5600

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```
georgia.outline <- unionSpatialPolygons(georgia, rep(1, 159))

plot(georgia.outline)
polygon(georgia@polygons[[129]]@Polygons[[1]]@coords, col = "lightblue")
for (i in 1:159) polygon(georgia@polygons[[i]]@Polygons[[1]]@coords)
points(-84.3927, 32.0341, pch = 19, col = "#ff3333aa", cex = 1.25)
arrows(-84.21061, 32.30461, -84.3927, 32.0341, col = "red", angle = 10, lwd = 2,
       length = 0.15)
rect(-84.21061, 32.30461, -82.97638, 32.93636, col = "beige", border = "blue", lwd = 3)
text(-84.21061 - (-84.21061 - -82.97638) / 2, 32.30461 - (32.30461 - 32.93636) / 2,
     "Plains, GA\nSumter County", col="blue", cex = 1.1)
```

