SpatialPolygons

Polygon
↓
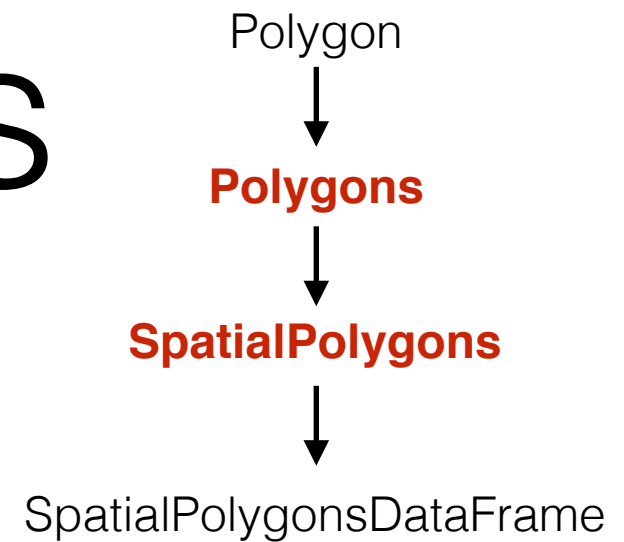**Polygons**
↓
SpatialPolygons
↓
SpatialPolygonsDataFrame

ID for Polygons Important

```
Ps <- Polygons( list(P), ID="Bob")
SPs <- SpatialPolygons( list(Ps))
proj4string(SPs) <- CRS(proj4string(pts))
SPs
```

```
## class      : SpatialPolygons
## features   : 1
## extent     : -114.2935, -113.4897, 28.66056, 29.32541  (xmin, xmax, ymin, ymax)
## coord. ref. : +proj=longlat +datum=WGS84 +no_defs +ellps=WGS84 +towgs84=0,0,0
```

Overlaying Polygon Objects

```
plot( pts, axes=TRUE, xlab="Longitude", ylab="Latitude",
      ylim=c(28.5,29.5), xlim=c(-114.5, -113))
plot( SPs, col="red", border="blue", lwd=2, add=TRUE  )
```