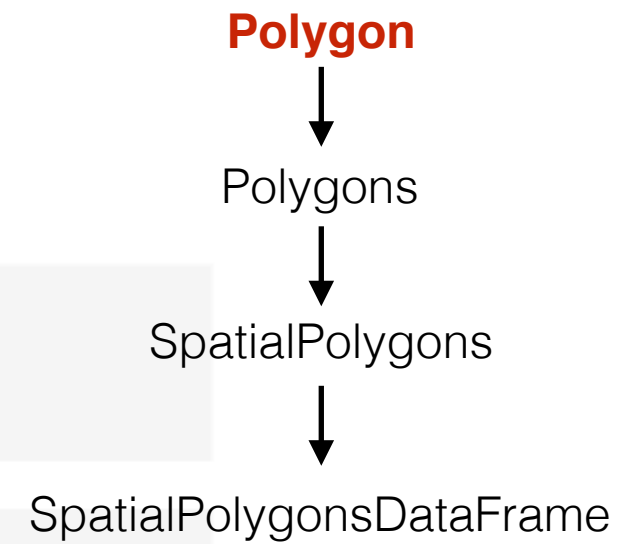


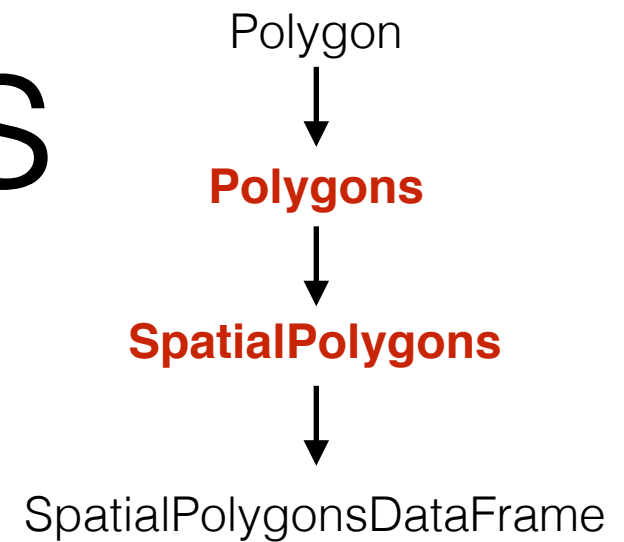
# Polygon

```
P <- Polygon( c )  
P
```

```
## An object of class "Polygon"  
## Slot "labpt":  
## [1] -113.89179 28.89114  
##  
## Slot "area":  
## [1] 0.1849395  
##  
## Slot "hole":  
## [1] FALSE  
##  
## Slot "ringDir":  
## [1] 1  
##  
## Slot "coords":  
##           [,1]      [,2]  
## [1,] -114.2935 29.32541  
## [2,] -113.9449 29.01457  
## [3,] -113.6679 28.96651  
## [4,] -113.4897 28.72796  
## [5,] -113.9914 28.66056  
## [6,] -114.2935 29.32541
```



# SpatialPolygons



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
```