Polygon

Polygon

↓

Polygons
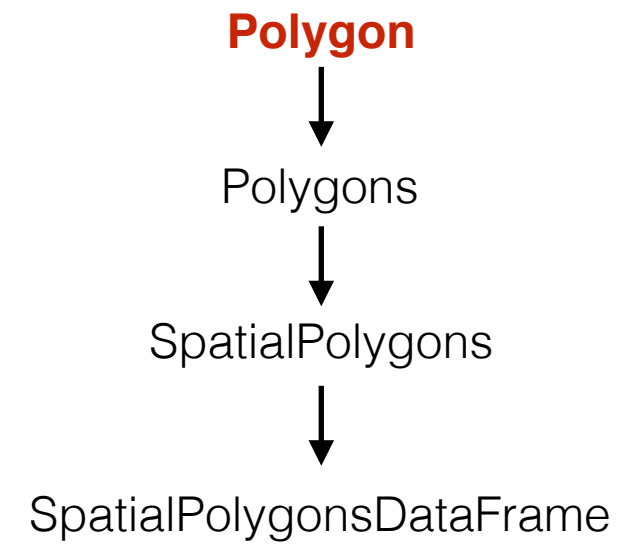
↓

SpatialPolygons

↓

SpatialPolygonsDataFrame

```
c <- cbind( coords$Longitude[1:5], coords$Latitude[1:5])
c <- rbind( c, c[1,])
c
```

```
##            [,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
```

Polygon

```r
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
```