Use Case for `sp` Objects

- Coordinates for samples (locale, individual).**point**

- Euclidean separation.**point**

- Linear or segmented boundaries **line**

- Extraction of contiguous space (neighborhoods, regions) from raster data. **polygon**

Common Data Structures

- Point, Line, Polygon - Objects

- Common Design development

Object

↓

Objects

↓

SpatialObjects

↓

SpatialObjectsDataFrame