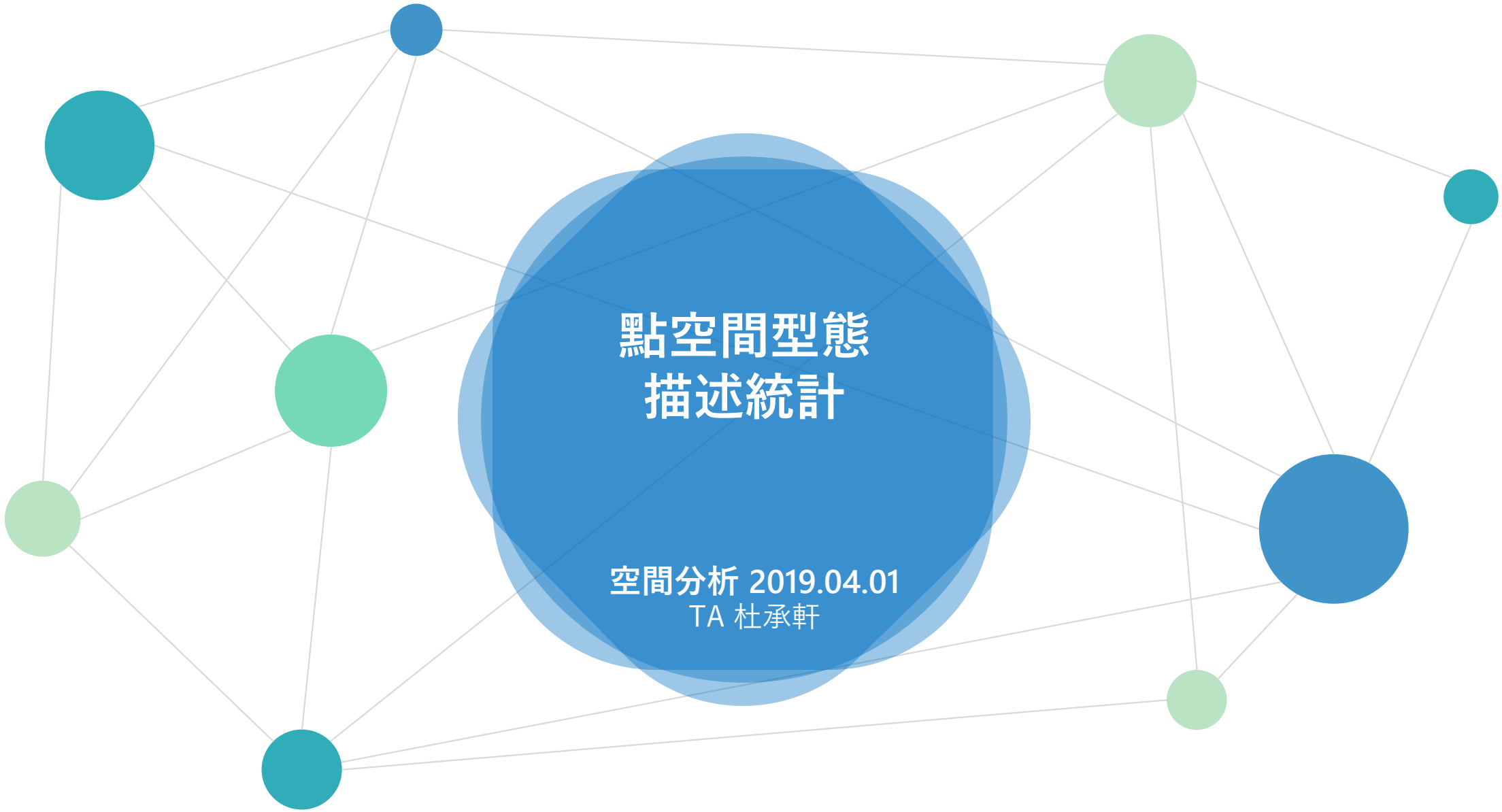


點空間型態描述統計

空間分析 2019.04.01

TA 杜承軒

中心趨勢 centrality

data=cbind(x,y)　z:加權項

1. mean center　**mean_centre()**

```
mean_centre(points=data)
```

※易受**離群值**影響

weighted

```
weighted = T, weights = z
```

2. median center　**median_centre()**

```
median_centre(points=data)
```

※到所有點距離和最小→最佳可到達點位

3. central feature　**CF()**

```
CF(points=data)
```

※從原始點來選取中心

※ 沒有weighted的

離散趨勢 dispersion

1. standard distance　**calc_sdd()**

```
calc_sdd(points=data)
```

2. std. ellipse　**calc_sde()**

```
calc_sde(points=data)
```

畫圖

plot_sdd()

```
plot_sdd(plotnew = T, plotpoints = F, plotcentre = T) #style
```

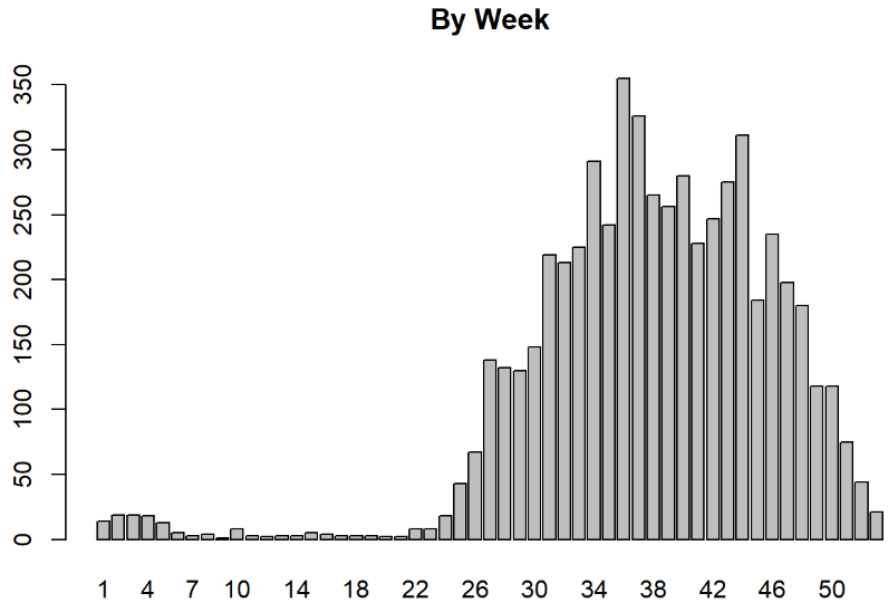
plot_sde()

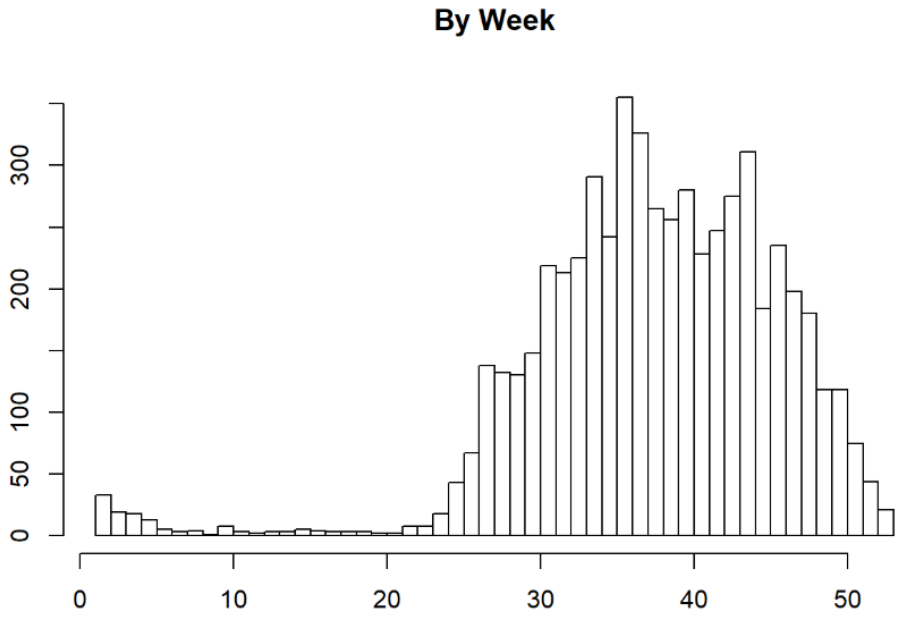
```
plot_sde(plotnew = T, plotpoints = F, plotcentre = T) #style
```

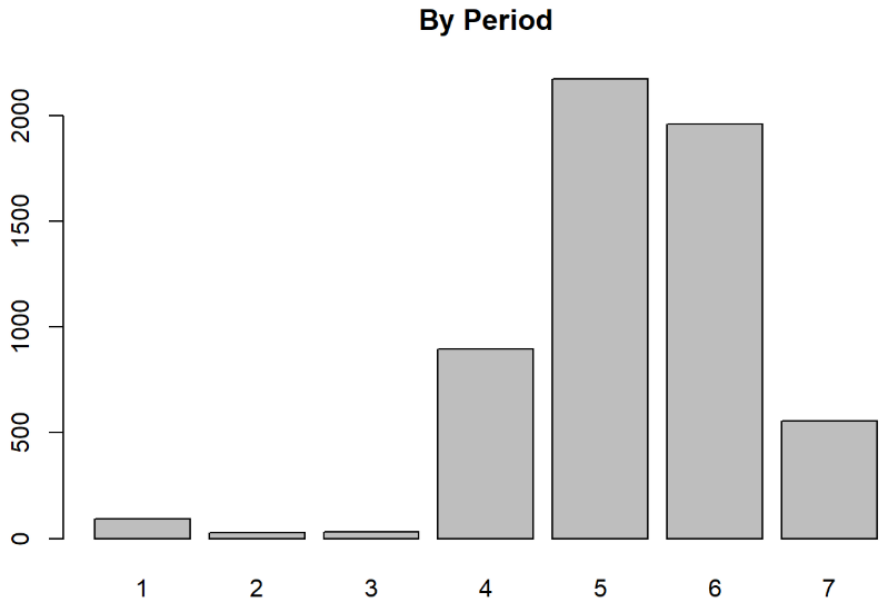
Lab 5

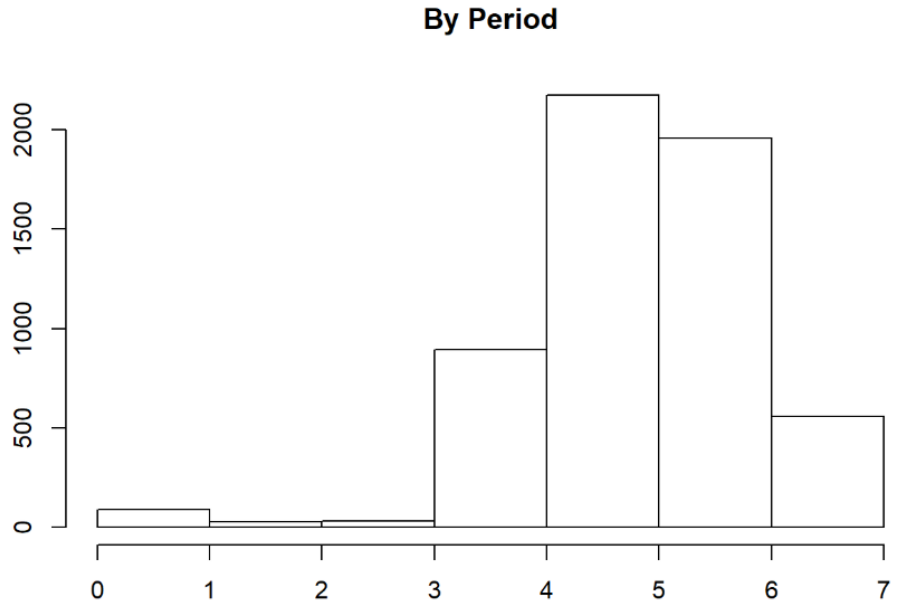
實習四參考

期中考參考









Lab 5

```
pts = SpatialPointsDataFrame(cbind(x,y), data,proj4string=……)
```

CRS("……")

[EPSG:3826] TWD97 TM2：

```
+proj=tmerc +lat_0=0 +lon_0=121 +k=0.9999 +x_0=250000 +y_0=0 +ellps=GRS80 +units=m +no_defs
```

※利用過去高雄圖資來擷取位置(Intersection)