

SIW005 - Computer Graphics & Visualisation (2019/2020)

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Teaching Code Clustering

- Get Libraries

```
<link rel="stylesheet" href="http://pixel.uji.es/teaching/leaflet/markercluster/dist/MarkerCluster.css" />
```

```
<link rel="stylesheet" href="http://pixel.uji.es/teaching/leaflet/markercluster/dist/MarkerCluster.Default.css" />
```

```
<script src="http://pixel.uji.es/teaching/leaflet/markercluster/dist/leaflet.markercluster-src.js"></script>
```

- DATA

```
var addressPoints = [ [55.6667,12.5833,1,'80'],[56,10,1,'83'],[40.4086,-3.6922,1,'94'],[19.4342,-99.1386,1,'94'],[39.9881,-0.0435,1,'65'],  
[46.0965,-64.7976,1,'98'],[40,-4,1,'38'],[19.4285,-99.1277,1,'60'],[40.4776,-3.7392,1,'102'],[-27.5047,152.979,1,'80'],[-30.9546,-58.7833,1,'68'],  
[39.9875,-0.0392,1,'45'],[39.9875,-0.0392,1,'58'],[40,-4,1,'89'],[39.9875,-0.0392,1,'55'],[37.387,-5.9501,1,'94'],[41.9902,-7.8674,1,'97'],  
[39.9875,-0.0392,1,'90'],[38.8833,-6.9667,1,'107'],[39.9875,-0.0392,1,'61'],[41.85,-87.65,1,'55'],[-30.9546,-58.7833,1,'85'],[39.9881,-0.0435,1,'23'],  
[39.9875,-0.0392,1,'58'],[-30.9546,-58.7833,1,'75'],[39.9881,-0.0435,1,'45'],[39.4667,-0.3667,1,'63'],[39.4667,-0.3667,1,'47'],[39.4667,-0.3667,1,'108'],  
[39.9881,-0.0435,1,'72'],[39.9875,-0.0392,1,'92'],[39.9875,-0.0392,1,'95'],[39.4667,-0.3667,1,'86'],[39.9881,-0.0435,1,'48'],[41.85,-87.65,1,'70'],  
[39.9875,-0.0392,1,'59'],[-30.9546,-58.7833,1,'56'],[-30.9546,-58.7833,1,'68'],[39.9875,-0.0392,1,'47'],[39.9875,-0.0392,1,'44'],  
[39.9875,-0.0392,1,'55'],[9.9189,-84.1399,1,'68'],[39.9875,-0.0392,1,'48'],[39.9875,-0.0392,1,'36'],[39.9875,-0.0392,1,'76'],[39.9875,-0.0392,1,'78'],  
[39.9875,-0.0392,1,'74'],[39.9875,-0.0392,1,'60'],[39.9881,-0.0435,1,'60'],[39.9881,-0.0435,1,'66'],[39.9881,-0.0435,1,'78'],[40,-4,1,'47'],  
[-30.9546,-58.7833,1,'58'],[43.3333,-2.8667,1,'80'],[19.4285,-99.1277,1,'31'],[38.3452,-0.4815,1,'97'],[41.6498,-0.9199,1,'77'],[37.999,-97.0133,1,'77'],  
[37.999,-97.0133,1,'100'],[9.9283,-84.0507,1,'75'],[39.9881,-0.0435,1,'100'],[19.4285,-99.1277,1,'67'],[51.05,-0.3333,1,'50'],[39.9875,-0.0392,1,'58'],  
[38.9674,-0.1816,1,'36'],[-30.9546,-58.7833,1,'76'],[-30.9546,-58.7833,1,'86'],[39.9875,-0.0392,1,'64'],[39.9875,-0.0392,1,'54'],  
[39.9875,-0.0392,1,'79'],[39.6833,-0.2667,1,'60'],[6.2681,100.422,1,'36'],[6.2681,100.422,1,'66'],[-33.8615,151.206,1,'70'],[-33.8615,151.206,1,'69'],
```

```
[19.4342,-99.1386,1,'57'],[43.2609,-2.9388,1,'102'],[43.2609,-2.9388,1,'112'],[39.9875,-0.0392,1,'60'],[38.715,0.0498,1,'69'],[38.715,0.0498,1,'36'],[43.2609,-2.9388,1,'110'],[43.2609,-2.9388,1,'115'],[43.2609,-2.9388,1,'113'],[43.2609,-2.9388,1,'113'],[19.4285,-99.1277,1,'78'],[-30.9546,-58.7833,1,'66'],[40,-4,1,'64'],[40,-4,1,'63'],[39.9875,-0.0392,1,'55'] ];
```

- MarkerCluster

```
var markers = new L.MarkerClusterGroup();
```

```
var markerList = [];
```

```
for (var i = 0; i < addressPoints.length; i++) {
```

```
    var a = addressPoints[i];
```

```
    var marker = L.marker(L.latLng(a[0], a[1]));
```

```
    markerList.push(marker);
```

```
}
```

```
markers.addLayers(markerList);
```

```
map.addLayer(markers);
```

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