

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function Addins

Project: (None)

Source

Console Terminal Jobs

```
R 4.1.3 ~/\n
The downloaded binary packages are in
C:\\Users\\Laila.Sirri\\AppData\\Local\\Temp\\RtmpYxQTDI\\downloaded_packages
> library(kohonen)
> search()
[1] ".GlobalEnv"          "package:kohonen"    "tools:rstudio"     "package:stats"
[5] "package:graphics"    "package:grDevices" "package:utils"      "package:datasets"
[9] "package:methods"     "Autoloads"          "package:base"
> ls(2)
[1] "add.cluster.boundaries" "check.whatmap"      "classmat2classvec"
[4] "classvec2classmat"      "dist2WU"            "expandMap"
[7] "getCodes"               "layer.distances"    "map"
[10] "nunits"                 "object.distances"   "som"
[13] "somgrid"                "supersom"           "tricolor"
[16] "unit.distances"        "xyf"
> data(wines)
> head(wines)
  alcohol malic acid ash ash alkalinity magnesium tot. phenols flavonoids
[1,]   13.20      1.78 2.14          11.2      100      2.65      2.76
[2,]   13.16      2.36 2.67          18.6      101      2.80      3.24
[3,]   14.37      1.95 2.50          16.8      113      3.85      3.49
[4,]   13.24      2.59 2.87          21.0      118      2.80      2.69
[5,]   14.20      1.76 2.45          15.2      112      3.27      3.39
[6,]   14.39      1.87 2.45          14.6       96      2.50      2.52
```

Environment History Co

R Global Environment

ujima... num [1, 1:1...


wines num [1:177, ...]

Values

peta Named int [1:...

Files Plots Packages

Zoom Export



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```
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..$ : NULL
..$ : chr [1:13] "alcohol" "malic acid" "ash" "ash alkalinity" ...
> grid<-somgrid(xdim=5,ydim=5,topo="hexagonal")
> som.wines<-som(scale(wines),grid=somgrid(xdim=5,ydim=5,"hexagonal"))
> str(som.wines)
List of 14
 $ data      :List of 1
  ..$ : num [1:177, 1:13] 0.255 0.206 1.702 0.305 1.491 ...
  .. ..- attr(*, "dimnames")=List of 2
  .. .. ..$ : NULL
  .. .. ..$ : chr [1:13] "alcohol" "malic acid" "ash" "ash alkalinity" ...
  .. ..- attr(*, "scaled:center")= Named num [1:13] 12.99 2.34 2.37 19.52 99.59 ...
  .. .. ..- attr(*, "names")= chr [1:13] "alcohol" "malic acid" "ash" "ash alkalinity"
  ...
  .. ..- attr(*, "scaled:scale")= Named num [1:13] 0.809 1.119 0.275 3.336 14.174 ...
  .. .. ..- attr(*, "names")= chr [1:13] "alcohol" "malic acid" "ash" "ash alkalinity"
  ...
 $ unit.classif : num [1:177] 10 4 5 3 5 10 4 10 10 5 ...
 $ distances    : num [1:177] 3.309 4.595 3.528 3.5 0.938 ...
 $ grid         :List of 6
  ..$ pts       : num [1:25, 1:2] 1.5 2.5 3.5 4.5 5.5 1 2 3 4 5 ...
  .. ..- attr(*, "dimnames")=List of 2
  .. .. ..$ : NULL
```

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R Global Environment

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