

Emojis

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Read the file

```
nodes <- read_csv("emoji_degree.csv")[,-1]

## Warning: Missing column names filled in: 'X1' [1]
edges <- read_csv("emoji_edges.csv"),[-1]

## Warning: Missing column names filled in: 'X1' [1]
gr <- graph.data.frame(edges[,c("emo1", "emo2")], directed=FALSE)
dat <- ggnetwork(gr,layout="fruchtermanreingold")

## Loading required package: sna
## Warning: package 'sna' was built under R version 3.5.3
## Loading required package: statnet.common
## Warning: package 'statnet.common' was built under R version 3.5.1
##
## Attaching package: 'statnet.common'
## The following object is masked from 'package:base':
##
##     order
## Loading required package: network
## Warning: package 'network' was built under R version 3.5.3
## network: Classes for Relational Data
## Version 1.14-377 created on 2019-03-04.
## copyright (c) 2005, Carter T. Butts, University of California-Irvine
##           Mark S. Handcock, University of California -- Los Angeles
##           David R. Hunter, Penn State University
##           Martina Morris, University of Washington
##           Skye Bender-deMoll, University of Washington
## For citation information, type citation("network").
## Type help("network-package") to get started.
##
## Attaching package: 'network'
## The following objects are masked from 'package:igraph':
##
##     %c%, %s%, add.edges, add.vertices, delete.edges,
##     delete.vertices, get.edge.attribute, get.edges,
##     get.vertex.attribute, is.bipartite, is.directed,
##     list.edge.attributes, list.vertex.attributes,
##     set.edge.attribute, set.vertex.attribute
```

```

## sna: Tools for Social Network Analysis
## Version 2.4 created on 2016-07-23.
## copyright (c) 2005, Carter T. Butts, University of California-Irvine
## For citation information, type citation("sna").
## Type help(package="sna") to get started.

##
## Attaching package: 'sna'

## The following objects are masked from 'package:igraph':
##
##     betweenness, bonpow, closeness, components, degree,
##     dyad.census, evcent, hierarchy, is.connected, neighborhood,
##     triad.census

## Warning in fortify.network(intergraph::asNetwork(model), ...): duplicated
## edges detected
dat2=merge(dat, nodes,by.x = "vertex.names", by.y = "emoji", all.x = T)

library(gridSVG)

## Warning: package 'gridSVG' was built under R version 3.5.3
##
## Attaching package: 'gridSVG'

## The following object is masked from 'package:grDevices':
##
##     dev.off

library(emojifont)

## Warning: package 'emojifont' was built under R version 3.5.3

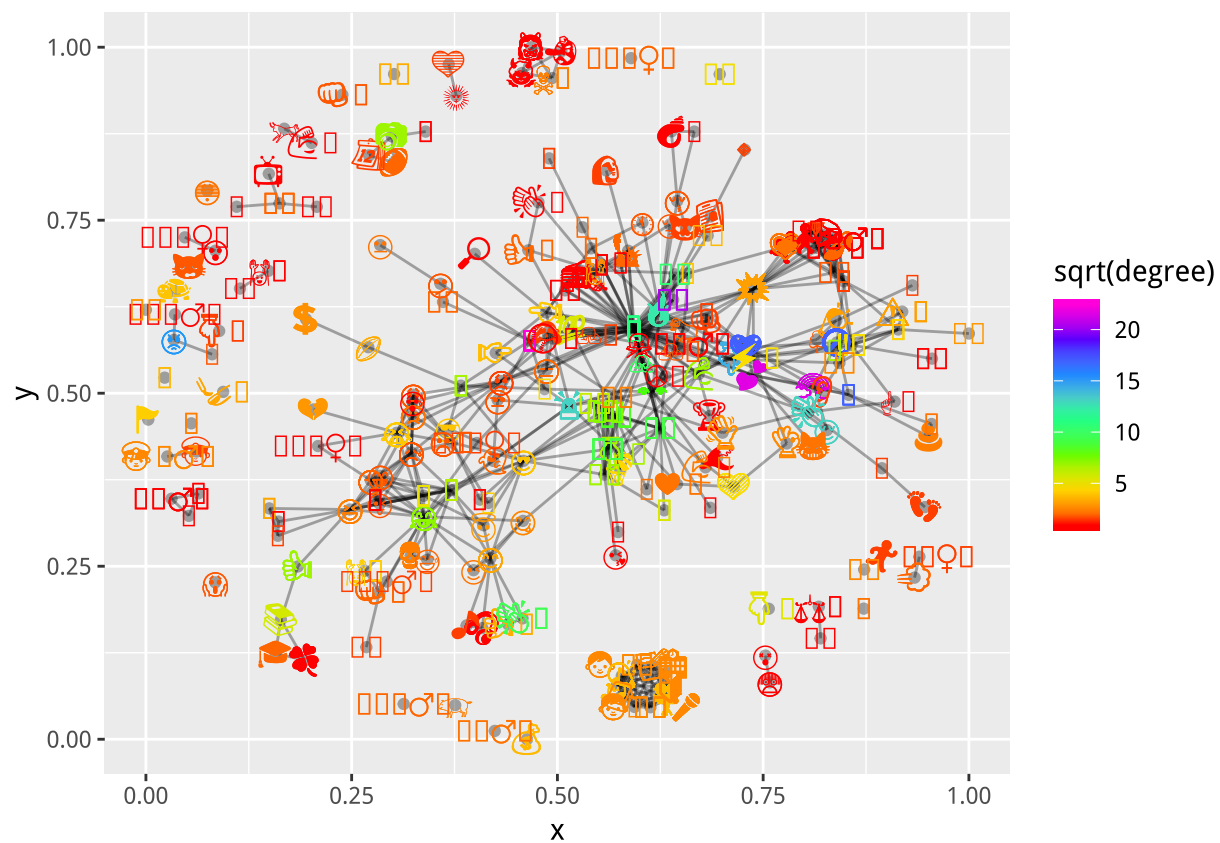
library(Cairo)

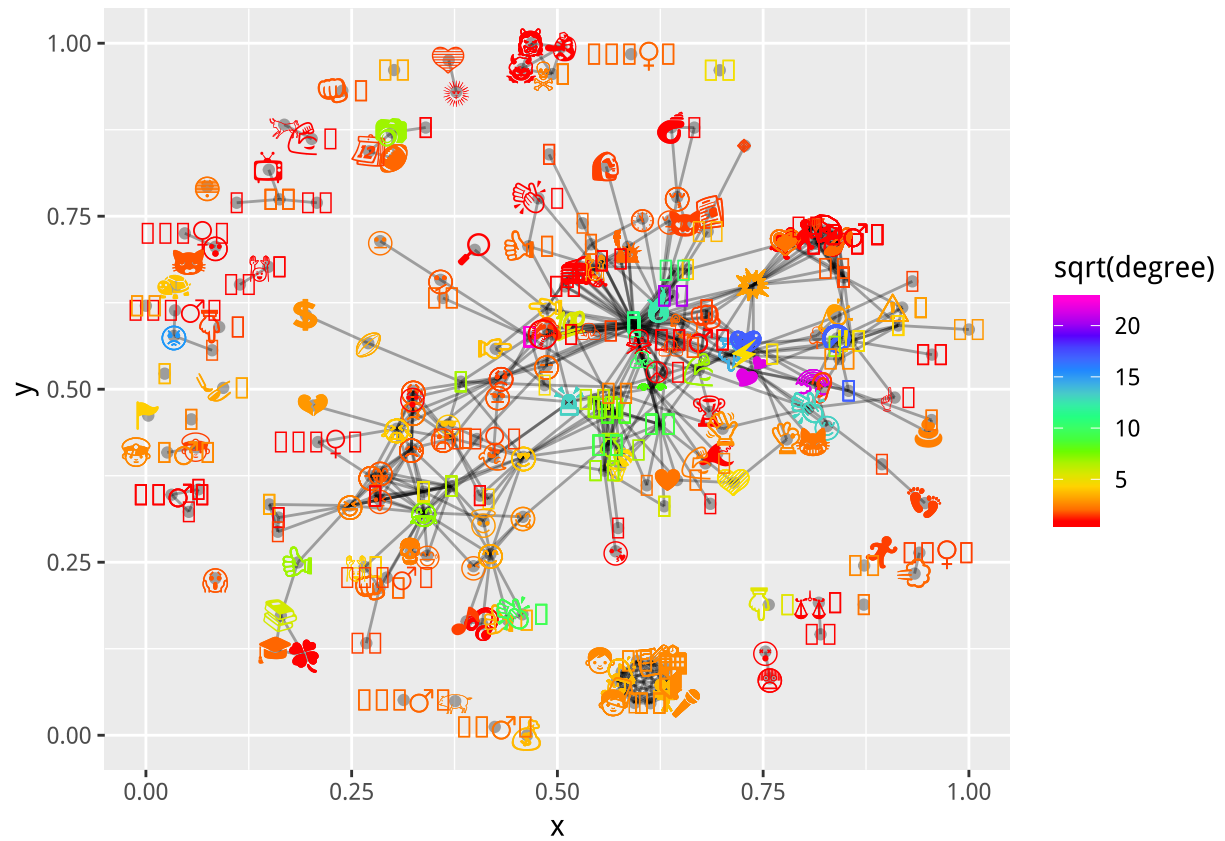
## Warning: package 'Cairo' was built under R version 3.5.2

require(grDevices)
load.emojifont("OpenSansEmoji.ttf")
#cairo_pdf("test.pdf",width = 7, height = 7)
#windows()
#dat$names <- as.character(dat$vertex.names)
ggplot() +
  geom_edges(data=dat2,
    aes(x=x, y=y, xend=xend, yend=yend),alpha=1/3) +
  geom_nodes(data=dat2,
    aes(x=x, y=y),
    alpha=1/3,show.legend = TRUE) +
  geom_text(data=dat2,aes(x=x, y=y, label=vertex.names, color=sqrt(degree), family="OpenSansEmoji"),
    ) +scale_color_gradientn(colours = rainbow(7))

ps = grid.export("emoji.svg", addClass=T)

```





#dev.off()