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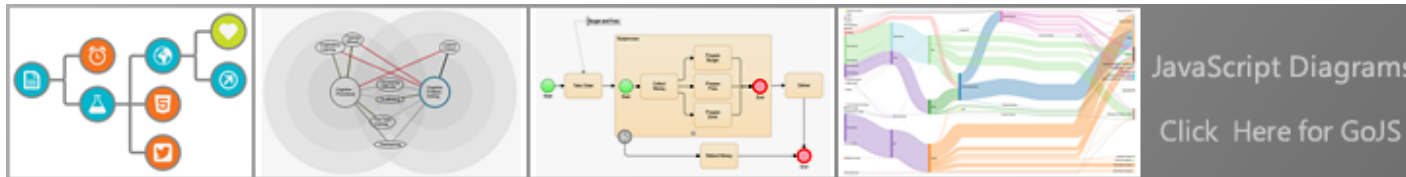
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How do you build a graph from a data frame using the igraph package?



Any way to build a graph (igraph package) from a Data Frame in R ?

The data frame contains node relationships.

```
df = data.frame (  
  A = c("Berlin", "Amsterdam", "New York") ,  
  B = c("Munich", "Utrecht", "Chicago")
```

```
)
```

Edges are :

```
Berlin -> Munich  
Amsteram -> Utrecht  
New York -> Chicago
```

Cheers !

r graph dataframe

edited Aug 2 '12 at 20:11



Gavin Simpson

102k 12 198 301

asked Aug 2 '12 at 20:08



MadSeb

1,723 12 44 91

1 Yes there is. What have you tried? – Tyler Rinker Aug 2 '12 at 22:31

1 Answer

igraph is very flexible and I'm sure there are a number ways to accomplish this. I found the tutorials provided on the [website](#) to be very helpful.

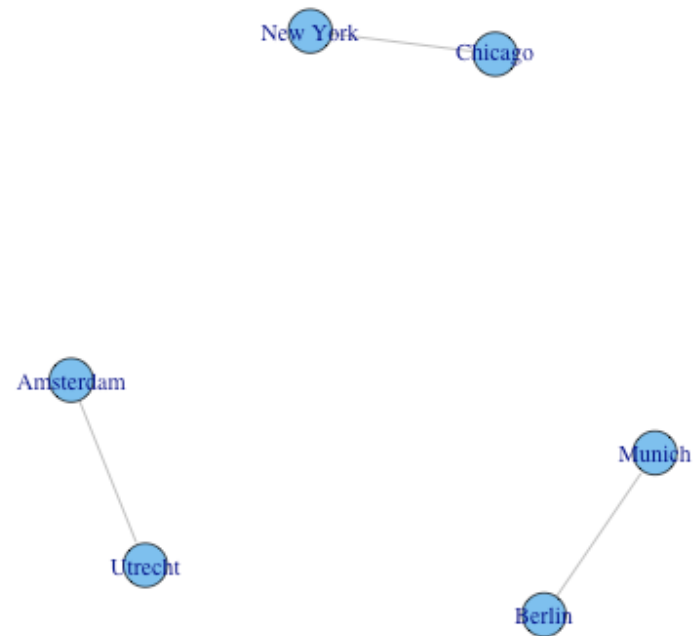
Here's one simple way to create a network plot from a data.frame:

```
library(igraph)

df <- data.frame(
  A = c("Berlin", "Amsterdam", "New York") ,
  B = c("Munich", "Utrecht", "Chicago"))

df.g <- graph.data.frame(d = df, directed = FALSE)

plot(df.g, vertex.label = V(df.g)$name)
```



answered Aug 2 '12 at 23:26



[aaronwolen](#)

1,644

11

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