Is there a simple way to add a legend explaining vertex colors to a fruchterman reingold plot in R?

I have a fruchterman reingold plot of 20 random students' extra curricular activities with the vertex color based on their final grades (numeric, ranging from 0-20) in an associated data set. Is there a way to to display a legend that prints the range for each vertex color?

```
library(igraph)

a <- graph.adjacency(sport,mode="undirected")

plot(a,layout=layout.fruchterman.reingold, vertex.size=6, vertex.color=portsmall$G3)
```

Here is a impage of my plot with colored vertices:

https://i.stack.imgur.com/0vc3j.png

r   plot   igraph

edited Nov 23 at 20:20   asked Nov 23 at 15:44

paqmo   LRomine
780   2   16   **6**   2

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1   `graph.adjacency` is not a function in base R. Could you add the names of the packages you are using as well as a reproducible example? – lmo Nov 23 at 15:52

the package is igraph, what do you need for a reproducible example (so I can make sure to provide everything)? –   LRomine   Nov 23 at 16:25

There is a post about minimum, complete, and verifiable examples, as well as a post on creating a great example in R. – lmo Nov 23 at 16:29

1 Answer

You can just use the `legend` function. For example:

```
legend("top",legend=c(1,2,3),fill=c("red","green","blue"))
```

You'll need to work out the precise nature of the parameters since we don't have your data so we can't guess. Read the docs for `legend` for more.

answered Nov 23 at 20:37

Spacedman
55.3k   6   66   134

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