Exe. 2
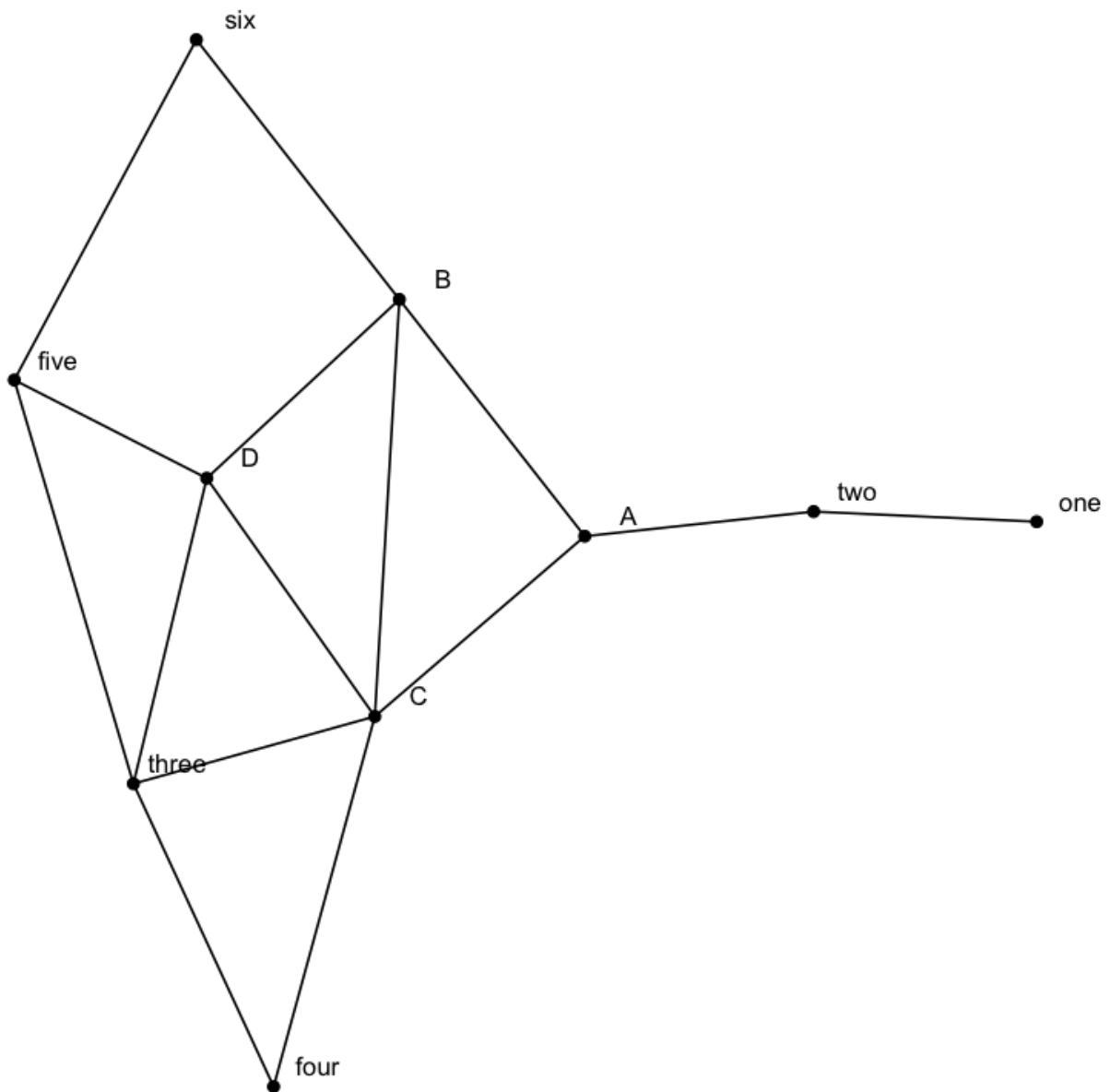
Code

```
nodes <- read_csv("nodes.csv")
edges <- read_csv("edges.csv")
ig <- igraph::graph_from_data_frame(edges, vertices = nodes) %>% as_tbl_graph()
net <- ggraph(ig, layout = "stress") + geom_node_point(size = 2) + geom_node_text(aes(label = name), nud
show(net)
```

B, C, and D have the highest degree centrality. A has the highest betweenness centrality.

```
degree <- degree(ig)
degree
```

A	B	C	D	one	two	three	four	five	six
3	4	5	4	1	2	4	2	3	2

```
closeness <- closeness(ig)
closeness
```

A	B	C	D	one	two	three	four
0.07692308	0.11111111	0.12500000	0.16666667	0.03333333	0.04761905	0.25000000	NaN

five	six
1.00000000	NaN

```
betweenness <- betweenness(ig)
betweenness
```

A	B	C	D	one	two	three	four	five	six
14.0	5.5	11.0	4.5	0.0	8.0	3.0	0.0	3.0	0.0