The Cliques of Avengers

```
clique_graph <- marvel_graph %>%
```

```
activate(edges) %>%
```

```
filter(class == 'Ally') %>%
```

```
activate(nodes) %>%
```

!node_is_isolated())

```
filter(map_lgl(Appearance, ~any(grepl('Avengers', .))),
```

```
geom_edge_hive() +
```

```
ggraph(clique_graph, 'hive', axis = type, split.axes = 'loops', sort.by = centrality_degree()) +
```

```
ggtitle('Hive Plot') +
```

theme_graph()

```
# Draw a Matrix plot using one of the node ranking algorithms
```

```
ggraph(clique_graph, 'matrix', sort.by = node_rank_traveller(dist = 'euclidean')) +
```

Draw a Hive plot splitting nodes by allegiance

```
geom_axis_hive() +
```

```
geom_edge_point(mirror = TRUE) +
```

```
ggtitle('Matrix plot') +
```

Hairballs, Hierarchies, and Hives

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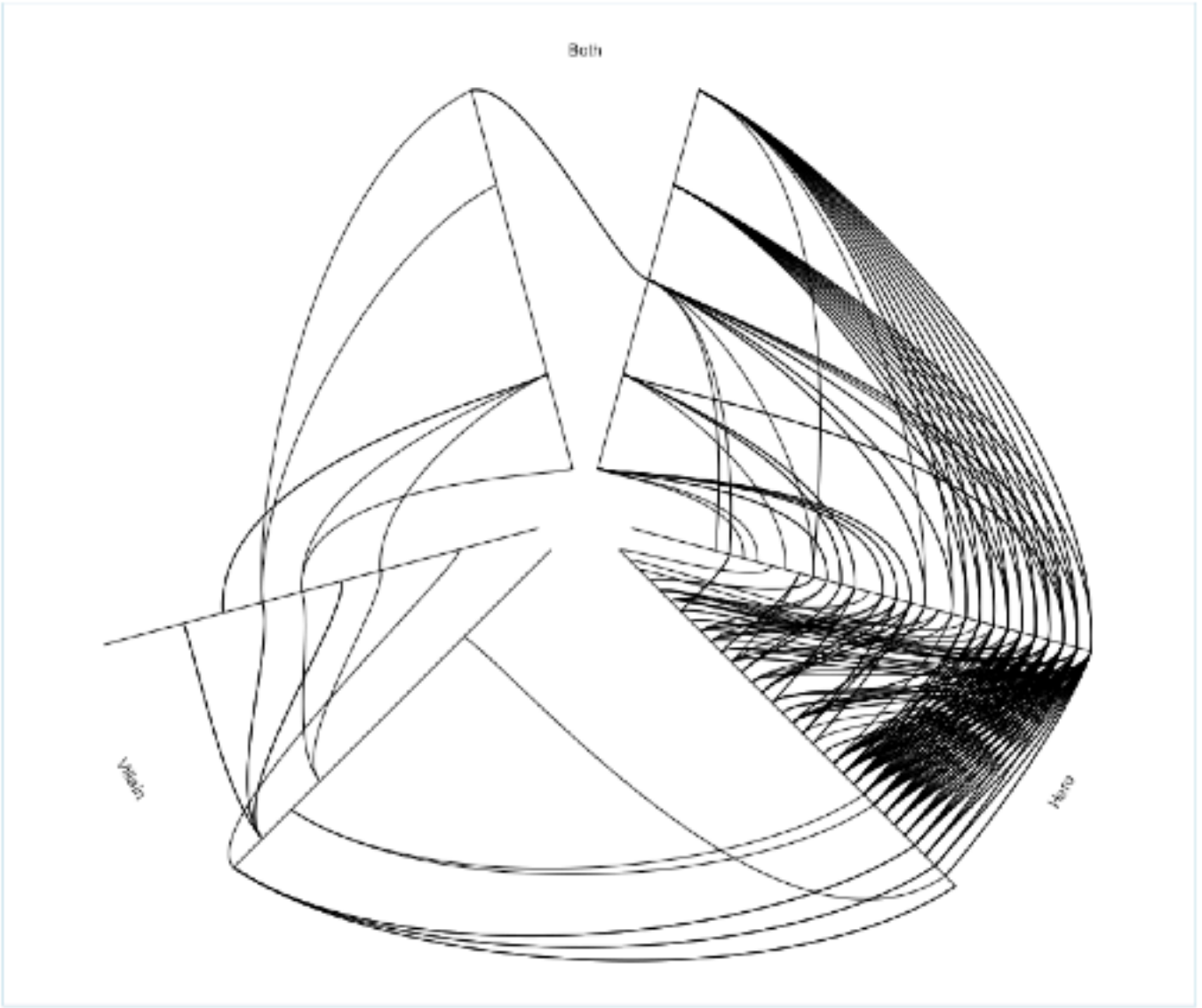
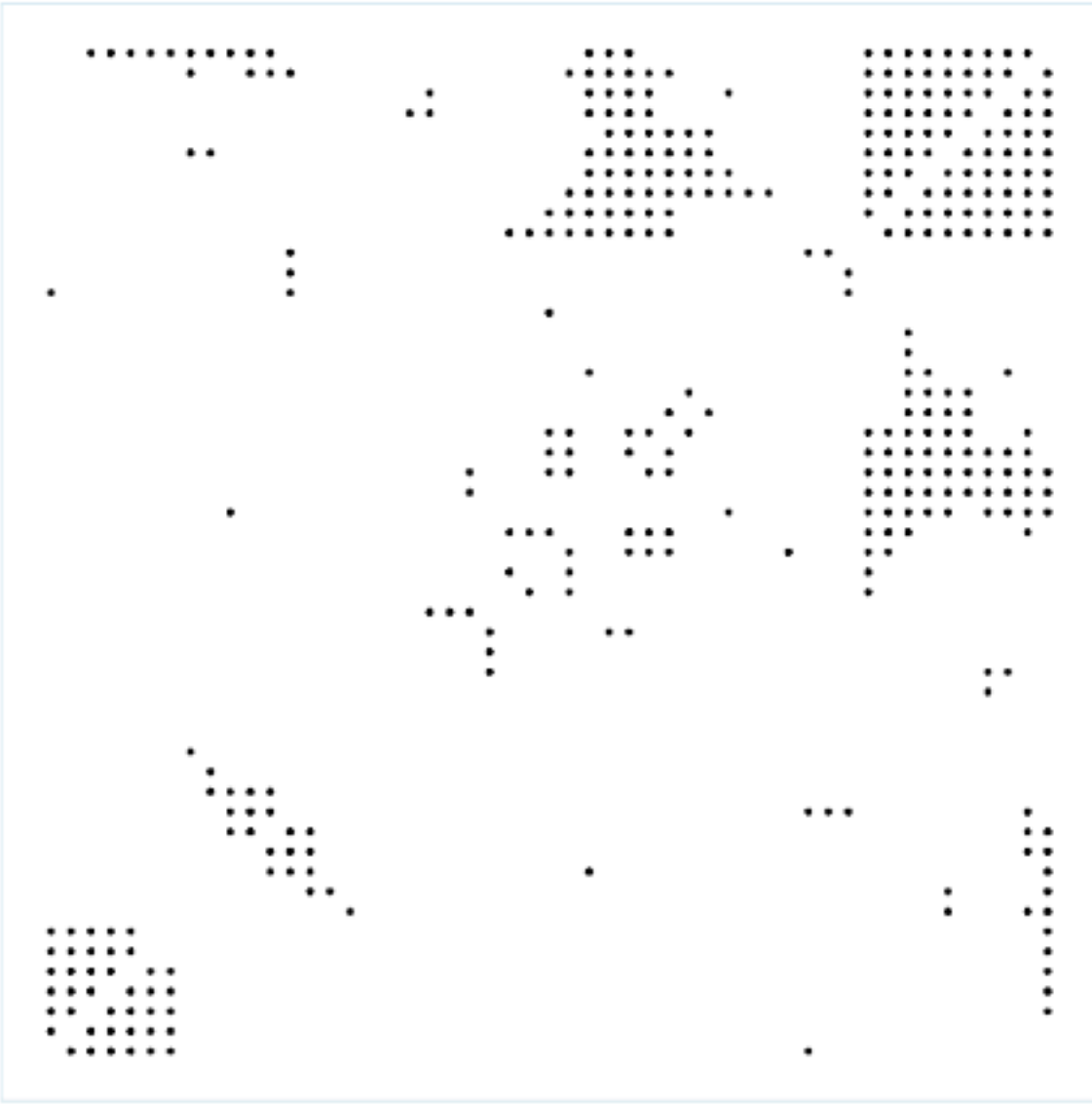
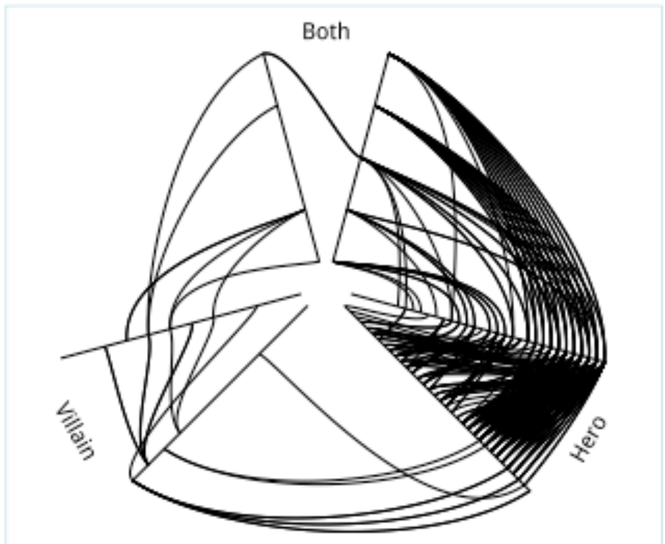
Hive Plot



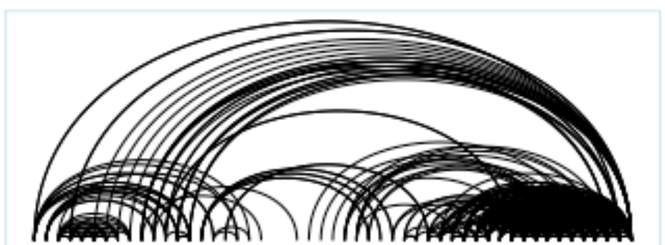
Matrix plot



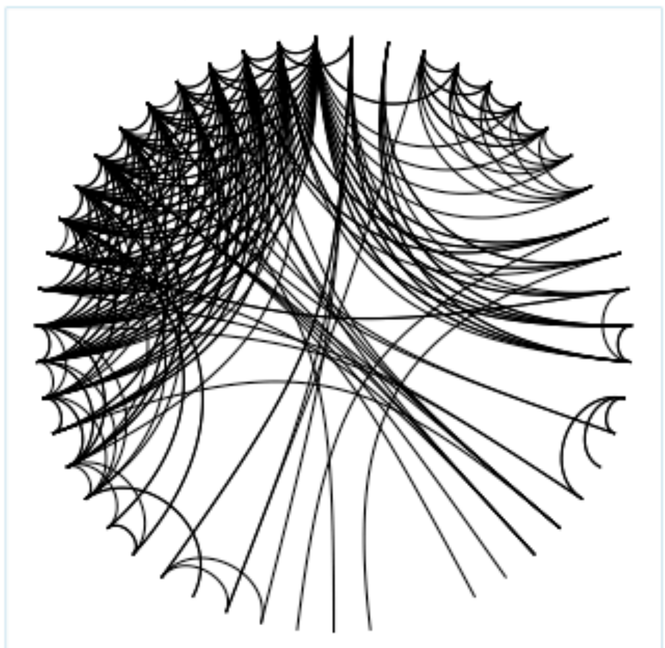
Hive Plot



Arc Diagram



Circular Arc Diagram



Matrix Plot

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