PartitionDAG Real Data Analysis

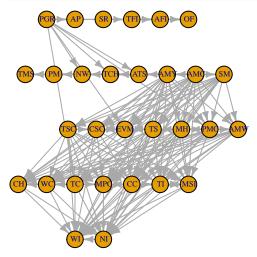
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Partition DAG dairy cattle data

This script includes the dairy cattle data analysis for the partition-DAG paper.

5 group network

In this section we run partition Dag with 5 groups:



10 group network

In this section we run partition Dag with 10 groups:

```
m3 = 4,
    m4 = 6,
    m5 = 10,
    m6 = 14,
    m7 = 21,
    m8 = 23,
    m9 = 28)$B

B = B[invPerm(rand_ordr),invPerm(rand_ordr)]
colnames(B) = colnames(data)
row.names(B) = colnames(data)
graphB = graph_from_adjacency_matrix(t(B), mode = 'directed', weighted = TRUE, diag = FALSE)
plot(graphB, layout = get_coords(10), vertex.size=15, vertex.label.dist = .1,
    vertex.label.cex = 0.5, edge.arrow.size = 0.5)
```

