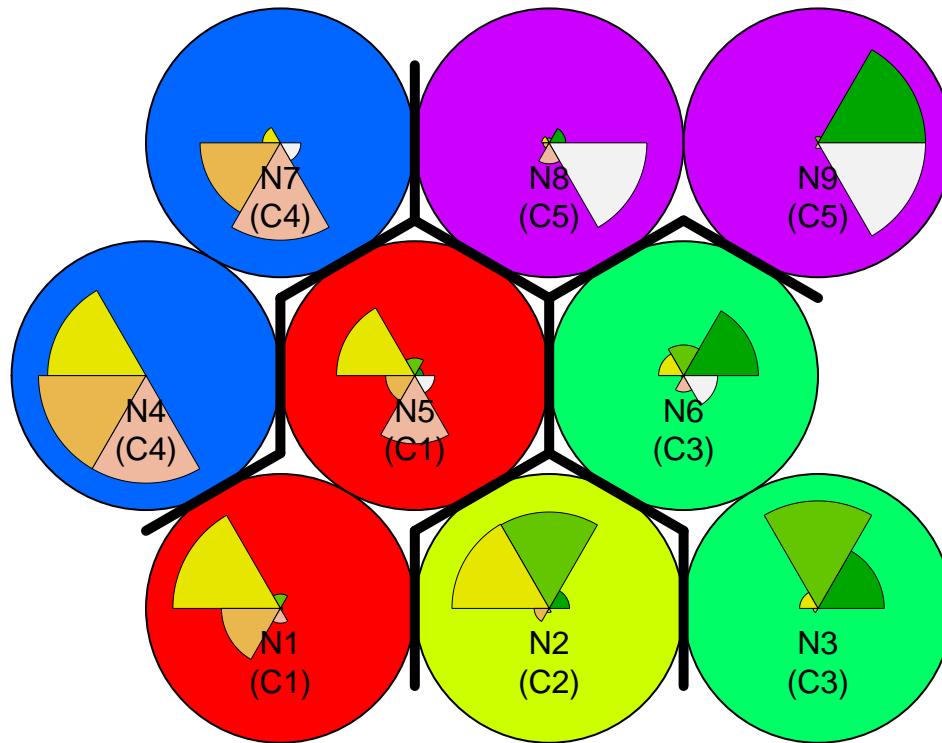


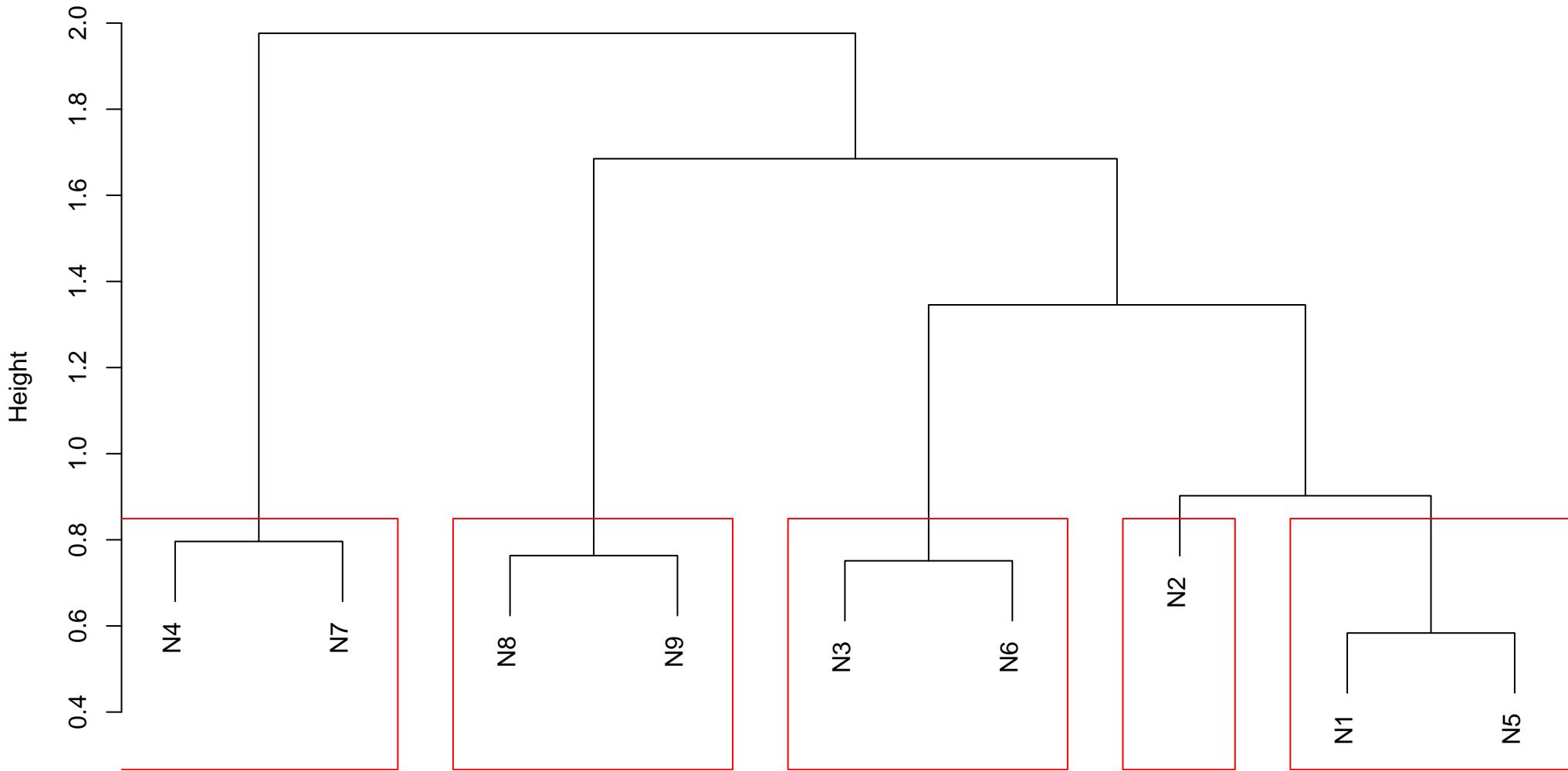
SOM – Clusters (k = 5)



- | | |
|------------------|-------------------|
| ■ amazd.suprised | ■ quiet.still |
| ■ happy.pleased | ■ sad.lonely |
| ■ relaxing.calm | ■ angry.aggresive |

| neuron | Y.amazed.suprised | Y.happy.pleased | Y.relaxing.calm | Y.quiet.still | Y.sad.lonely | Y.angry.aggressive |
|---------------|--------------------------|------------------------|------------------------|----------------------|---------------------|---------------------------|
| 1 1 | 0 | 0 | 49 | 21 | 0 | 1 |
| 2 2 | 8 | 62 | 62 | 4 | 0 | 0 |
| 3 3 | 26 | 42 | 0 | 1 | 0 | 0 |
| 4 4 | 0 | 0 | 44 | 44 | 44 | 0 |
| 5 5 | 0 | 0 | 19 | 0 | 19 | 2 |
| 6 6 | 21 | 0 | 1 | 0 | 4 | 0 |
| 7 7 | 0 | 0 | 0 | 28 | 33 | 1 |
| 8 8 | 0 | 4 | 2 | 0 | 8 | 62 |
| 9 9 | 61 | 4 | 0 | 0 | 3 | 61 |

Cluster Dendrogram



dist(codebook.matrix.best.result)
hclust (*, "complete")

| cluster | Y.amazed.suprised | Y.happy.pleased | Y.relaxing.calm | Y.quiet.still | Y.sad.lonely | Y.angry.aggressive |
|---------|-------------------|-----------------|-----------------|---------------|--------------|--------------------|
| 1 | 1 | 0 | 0 | 68 | 21 | 19 |
| 2 | 2 | 8 | 62 | 62 | 4 | 0 |
| 3 | 3 | 47 | 42 | 1 | 1 | 4 |
| 4 | 4 | 0 | 0 | 44 | 72 | 77 |
| 5 | 5 | 61 | 8 | 2 | 0 | 11 |
| | | | | | | 123 |

| | cluster | combinacao | frequencia |
|---|----------------|-------------------|-------------------|
| 5 | 1 | 001101 | 1 |
| 3 | 1 | 001011 | 2 |
| 2 | 1 | 001010 | 17 |
| 4 | 1 | 001100 | 20 |
| 1 | 1 | 001000 | 28 |

| | cluster | combinacao | frequencia |
|---|----------------|-------------------|-------------------|
| 2 | 2 | 011100 | 4 |
| 3 | 2 | 111000 | 8 |
| 1 | 2 | 011000 | 50 |

| cluster | | combinacao | frequencia |
|----------------|---|-------------------|-------------------|
| 2 | 3 | 010100 | 1 |
| 5 | 3 | 101000 | 1 |
| 4 | 3 | 100010 | 4 |
| 1 | 3 | 010000 | 15 |
| 3 | 3 | 100000 | 16 |
| 6 | 3 | 110000 | 26 |

| | cluster | combinacao | frequencia |
|---|----------------|-------------------|-------------------|
| 4 | 4 | 000111 | 1 |
| 2 | 4 | 000100 | 3 |
| 1 | 4 | 000010 | 8 |
| 3 | 4 | 000110 | 24 |
| 5 | 4 | 001110 | 44 |

| cluster | | combinacao | frequencia |
|----------------|---|-------------------|-------------------|
| 3 | 5 | 001001 | 2 |
| 6 | 5 | 100011 | 3 |
| 4 | 5 | 010001 | 4 |
| 7 | 5 | 110001 | 4 |
| 2 | 5 | 000011 | 8 |
| 1 | 5 | 000001 | 48 |
| 5 | 5 | 100001 | 54 |