1 Histograms of TSPLIB Dataset
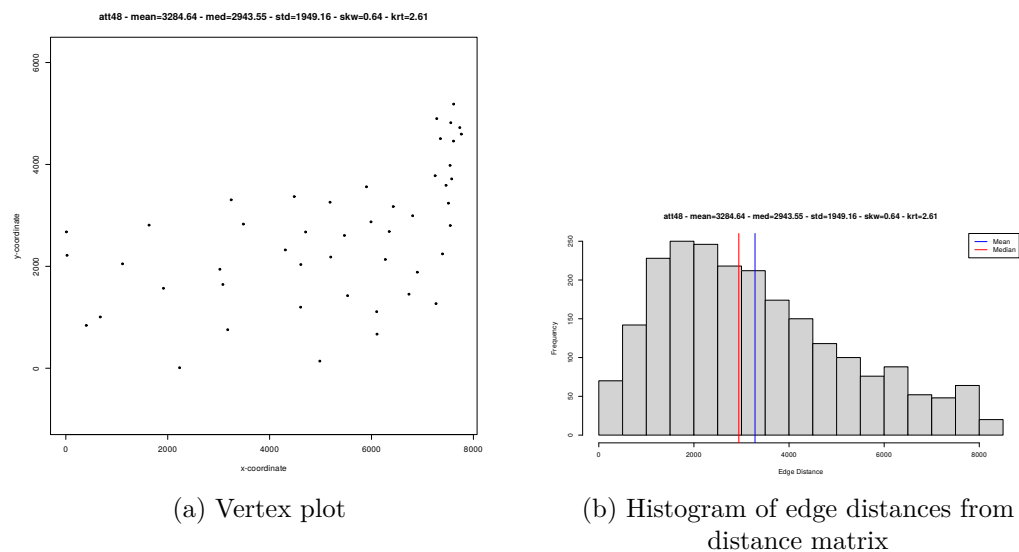

(a) Vertex plot

(b) Histogram of edge distances from distance matrix

Figure 1: att48
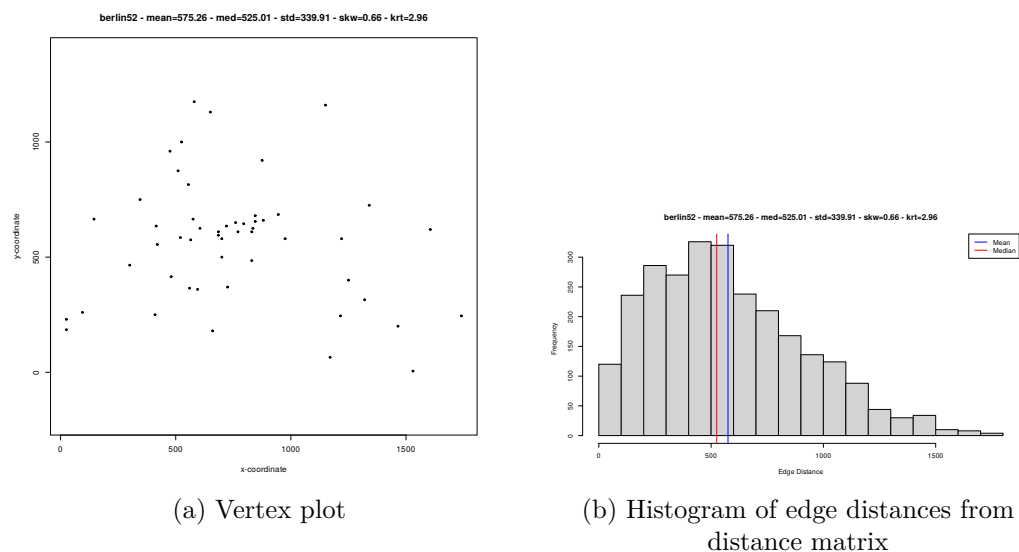

(a) Vertex plot

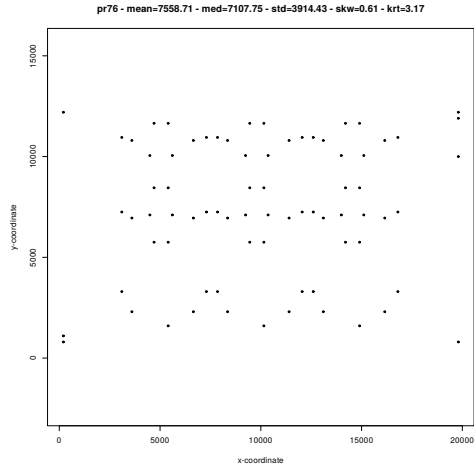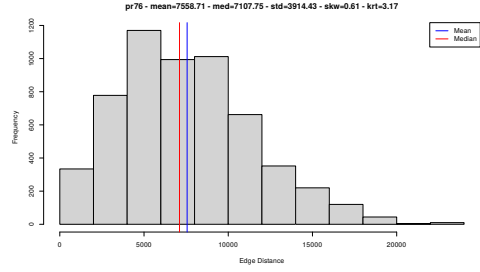(b) Histogram of edge distances from distance matrix
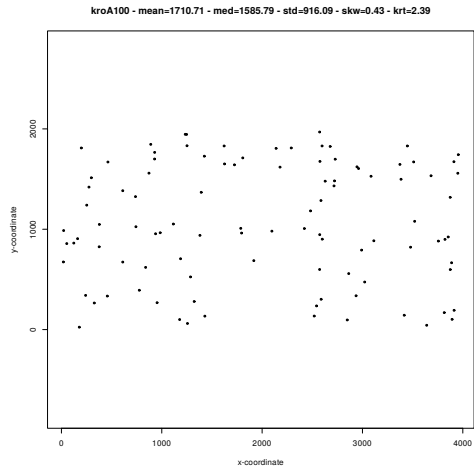
Figure 2: berlin52
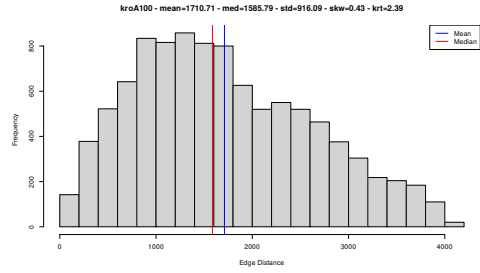
1

(a) Vertex plot

(b) Histogram of edge distances from distance matrix
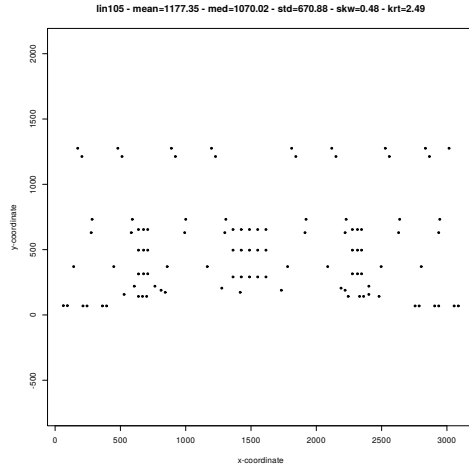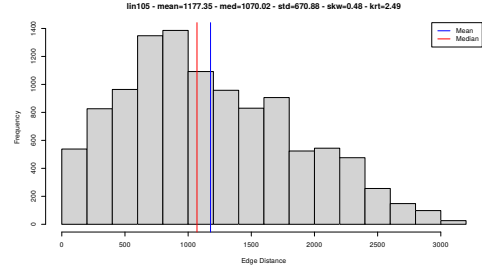
Figure 3: pr76

(a) Vertex plot

(b) Histogram of edge distances from distance matrix
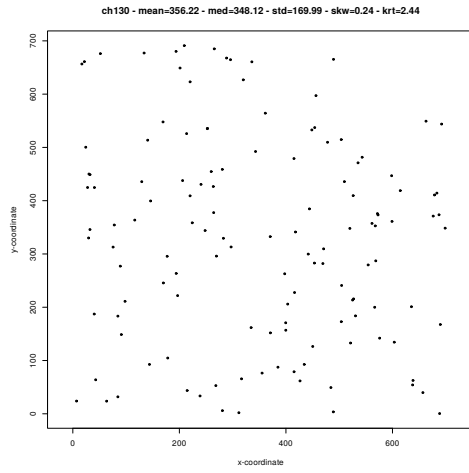
Figure 4: kroA100
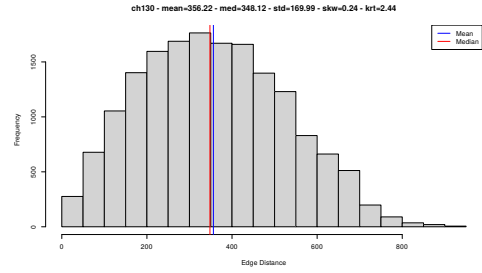
(a) Vertex plot

(b) Histogram of edge distances from distance matrix
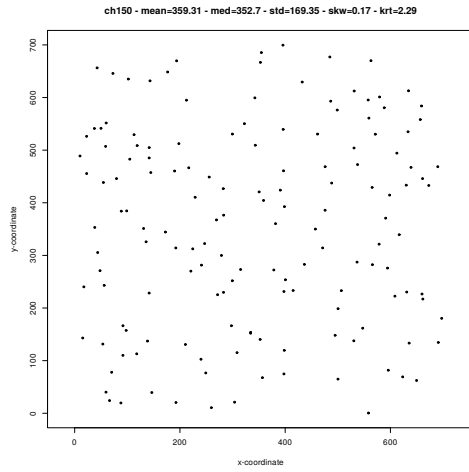
Figure 5: lin105

(a) Vertex plot

(b) Histogram of edge distances from distance matrix

Figure 6: ch130

ch150 - mean=359.31 - med=352.7 - std=169.35 - skw=0.17 - krt=2.29

(a) Vertex plot

(b) Histogram of edge distances from distance matrix

Figure 7: ch150

a280 - mean=121.82 - med=116.28 - std=62.62 - skw=0.34 - krt=2.35
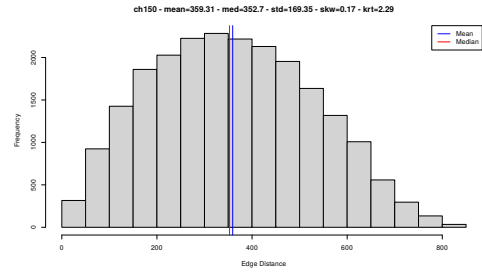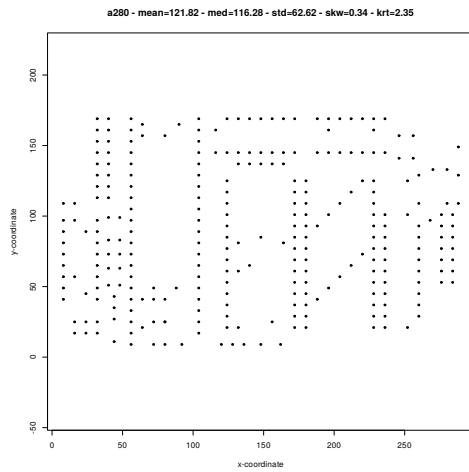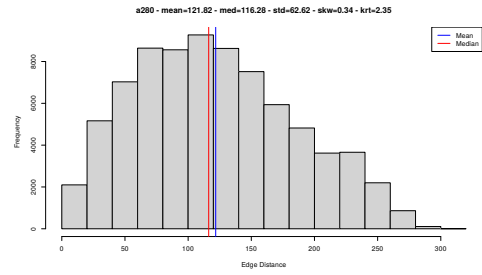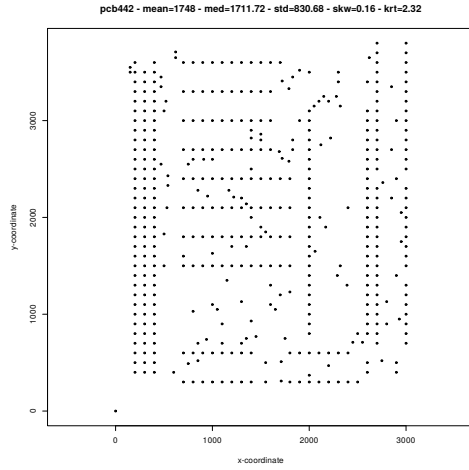
(a) Vertex plot

(b) Histogram of edge distances from distance matrix

Figure 8: a280

4

(a) Vertex plot

(b) Histogram of edge distances from distance matrix

Figure 9: pcb442

2 Histograms of Tnm* Dataset
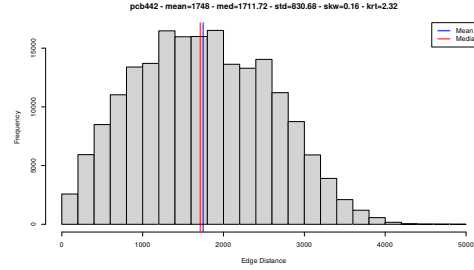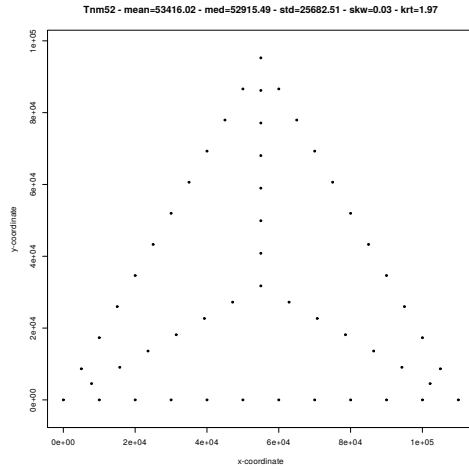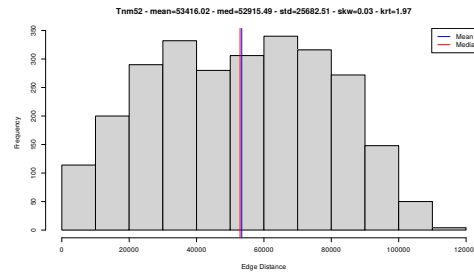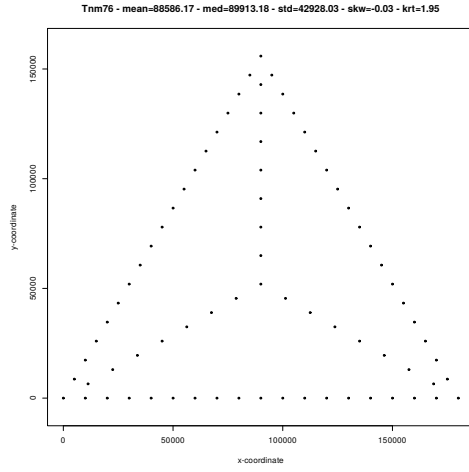

(a) Vertex plot

(b) Histogram of edge distances from distance matrix

Figure 10: Tnm52

(a) Vertex plot

(b) Histogram of edge distances from distance matrix

Figure 11: Tnm76

(a) Vertex plot

(b) Histogram of edge distances from distance matrix

Figure 12: Tnm100

6

(a) Vertex plot

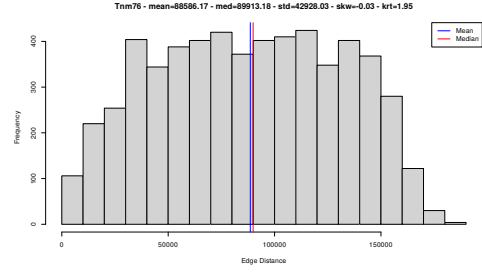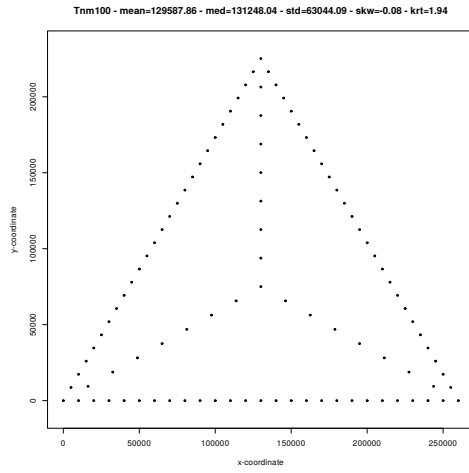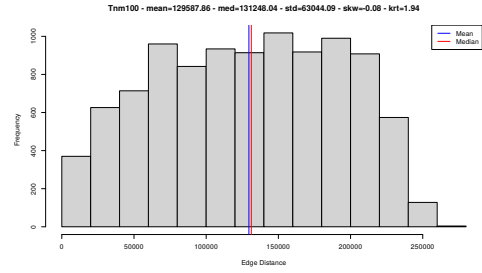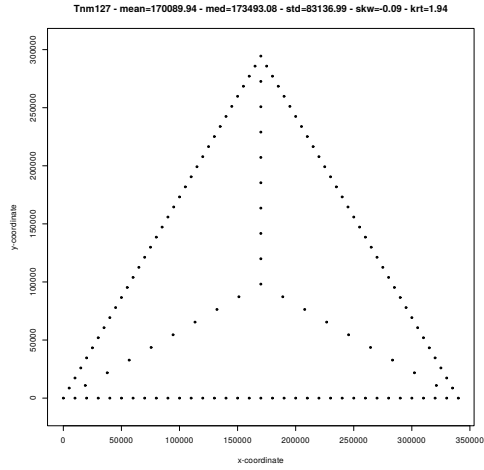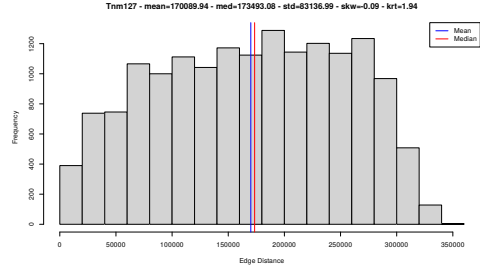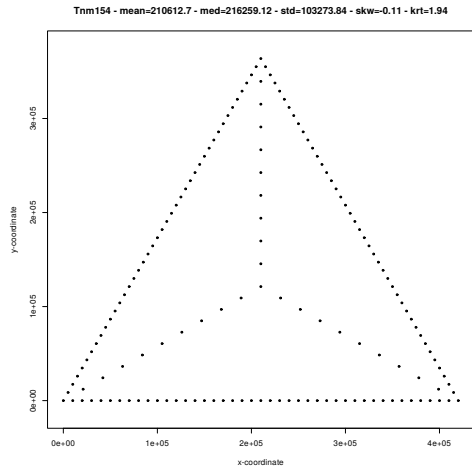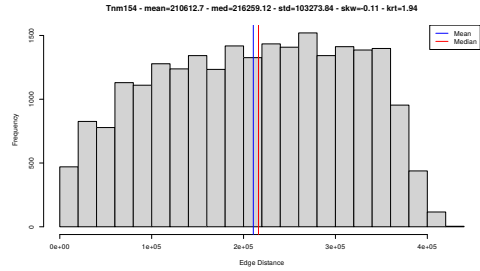(b) Histogram of edge distances from distance matrix
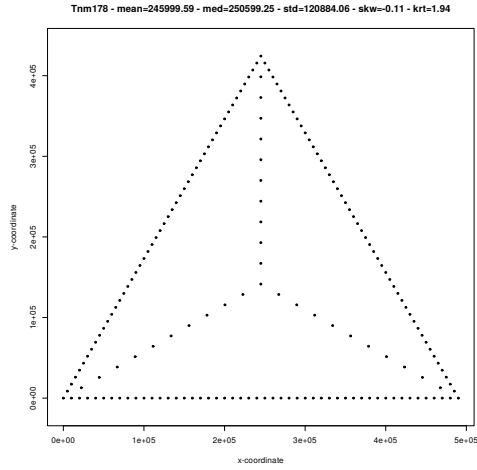
Figure 13: Tnm127

(a) Vertex plot

(b) Histogram of edge distances from distance matrix

Figure 14: Tnm154

7

Tnm178 - mean=245999.59 - med=250599.25 - std=120884.06 - skw=-0.11 - krt=1.94

(a) Vertex plot

(b) Histogram of edge distances from distance matrix

Figure 15: Tnm178

Tnm199 - mean=276243.04 - med=282134.72 - std=135950.98 - skw=-0.12 - krt=1.94

(a) Vertex plot

(b) Histogram of edge distances from distance matrix

Figure 16: Tnm199

8

3 Histograms of Custom Dataset
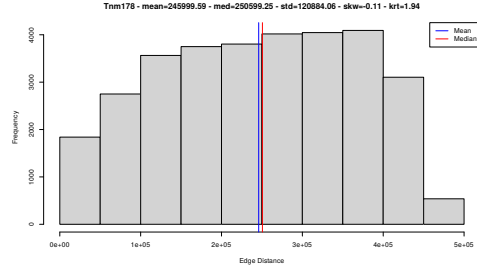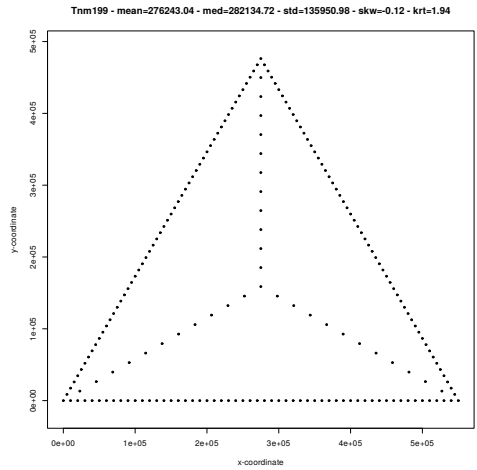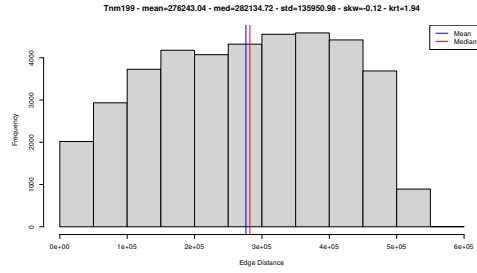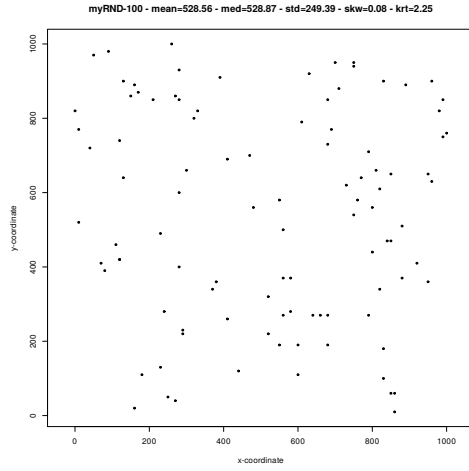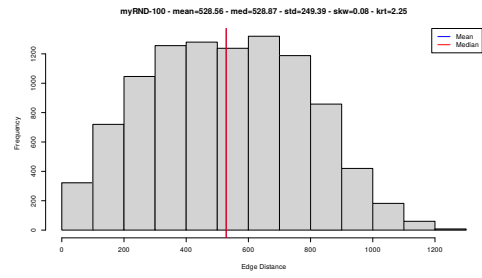

(a) Vertex plot

(b) Histogram of edge distances from distance matrix

Figure 17: myRND-100

(a) Vertex plot

(b) Histogram of edge distances from distance matrix

Figure 18: myRND-200
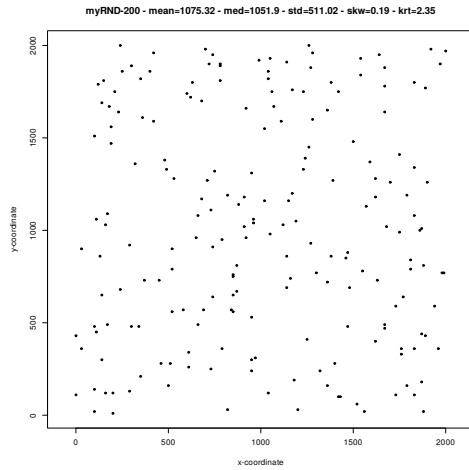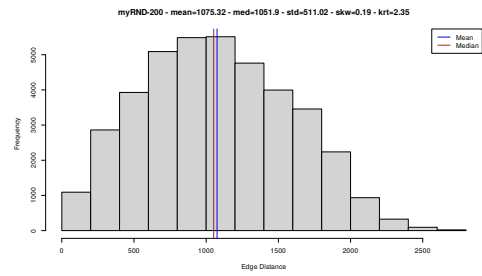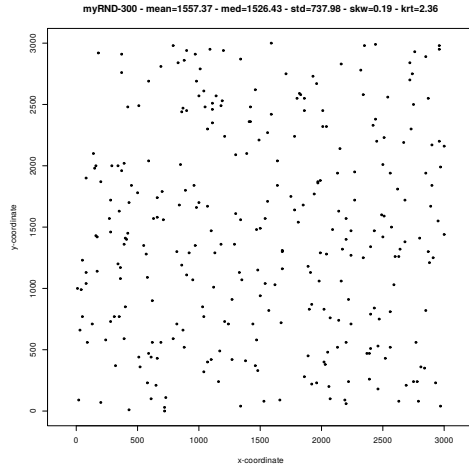
9
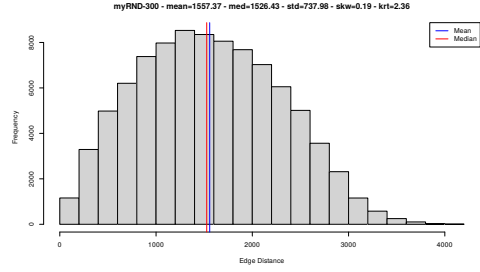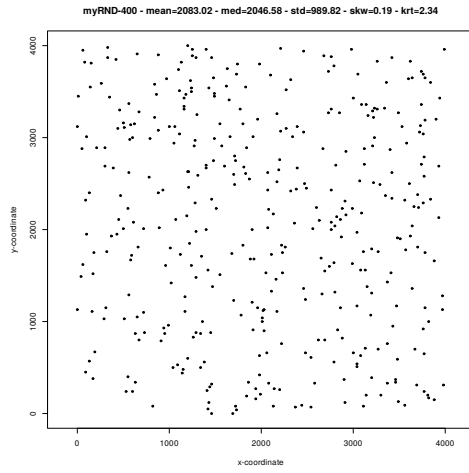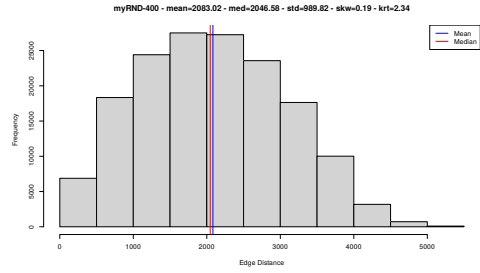
(a) Vertex plot

(b) Histogram of edge distances from distance matrix
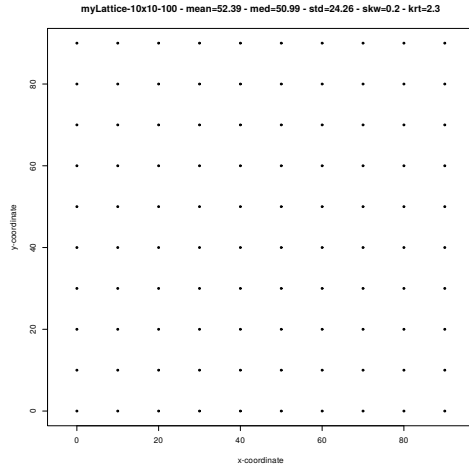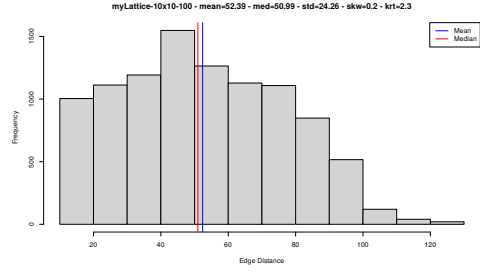
Figure 19: myRND-300

(a) Vertex plot

(b) Histogram of edge distances from distance matrix
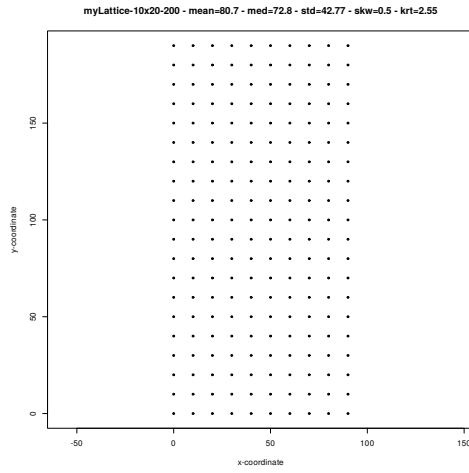
Figure 20: myRND-400
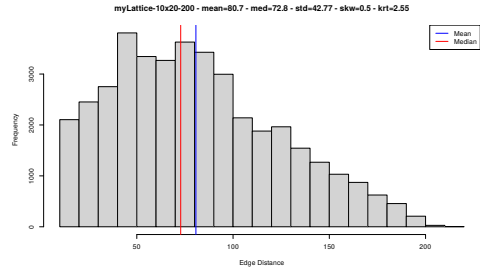
(a) Vertex plot

(b) Histogram of edge distances from distance matrix
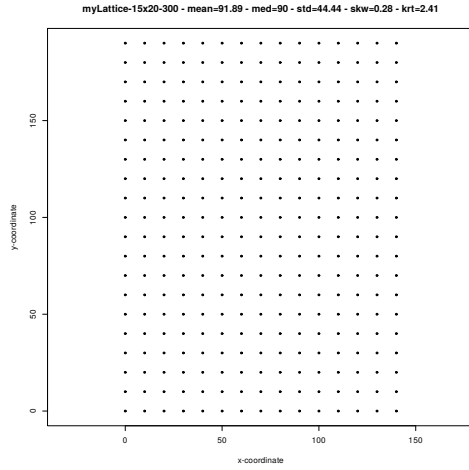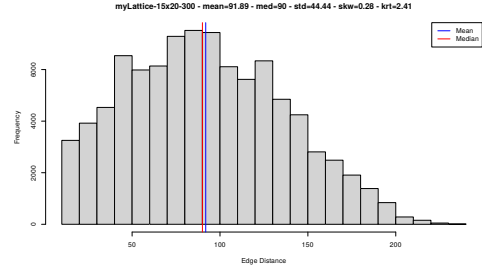
Figure 21: myLattice-10x10-100

(a) Vertex plot

(b) Histogram of edge distances from distance matrix
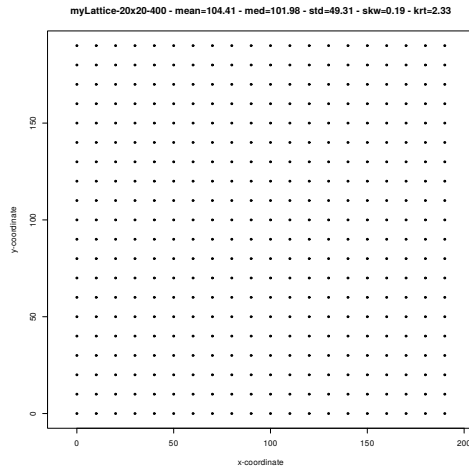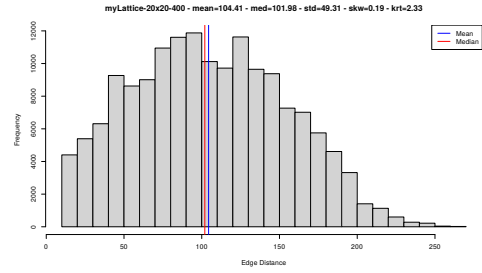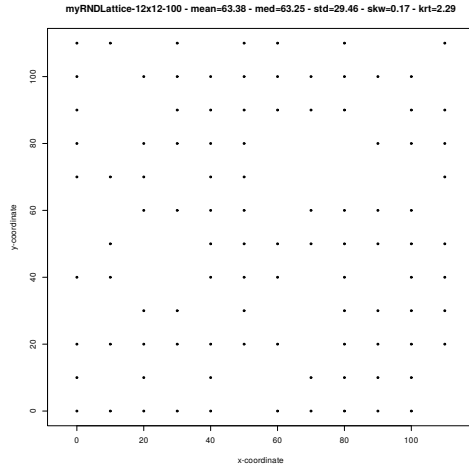
Figure 22: myLattice-10x20-200

myLattice-15x20-300 - mean=91.89 - med=90 - std=44.44 - skw=0.28 - krt=2.41

(a) Vertex plot

myLattice-15x20-300 - mean=91.89 - med=90 - std=44.44 - skw=0.28 - krt=2.41

(b) Histogram of edge distances from distance matrix

Figure 23: myLattice-15x20-300

myLattice-20x20-400 - mean=104.41 - med=101.98 - std=49.31 - skw=0.19 - krt=2.33

(a) Vertex plot

myLattice-20x20-400 - mean=104.41 - med=101.98 - std=49.31 - skw=0.19 - krt=2.33

(b) Histogram of edge distances from distance matrix

Figure 24: myLattice-20x20-400

12

myRNDLattice-12x12-100 - mean=63.38 - med=63.25 - std=29.46 - skw=0.17 - krt=2.29

(a) Vertex plot

(b) Histogram of edge distances from distance matrix

Figure 25: myRNDLattice-12x12-100

myRNDLattice-12x23-200 - mean=92.52 - med=86.02 - std=48.65 - skw=0.51 - krt=2.62

(a) Vertex plot

(b) Histogram of edge distances from distance matrix

Figure 26: myRNDLattice-12x23-200
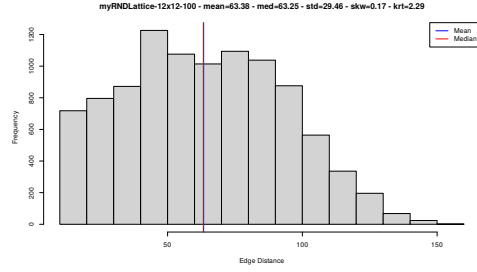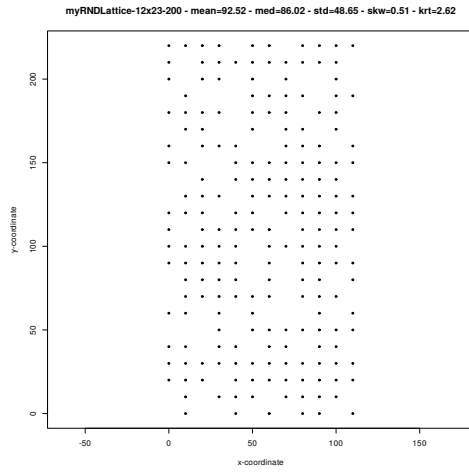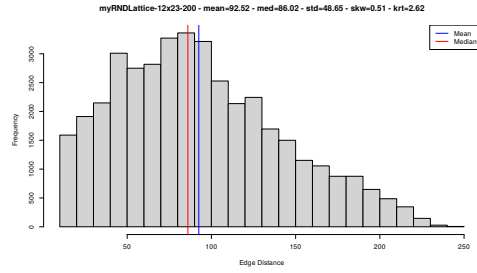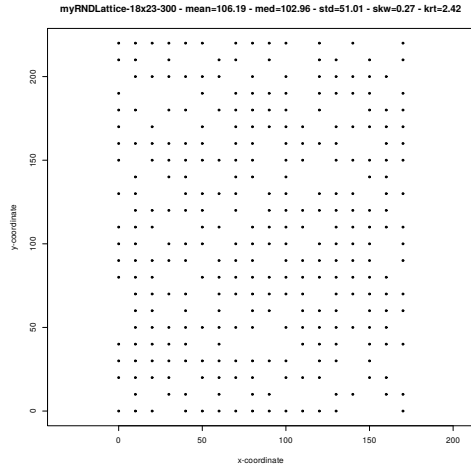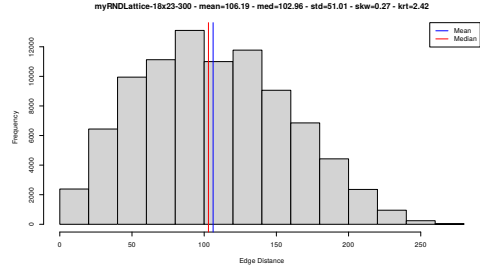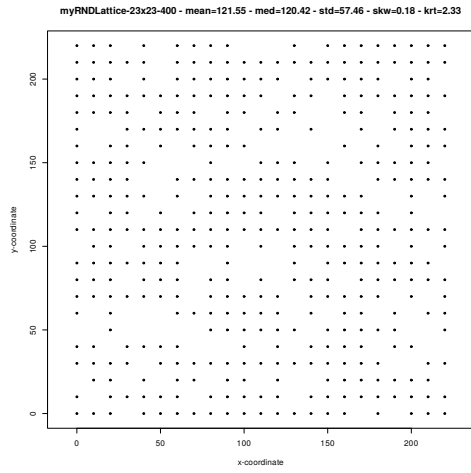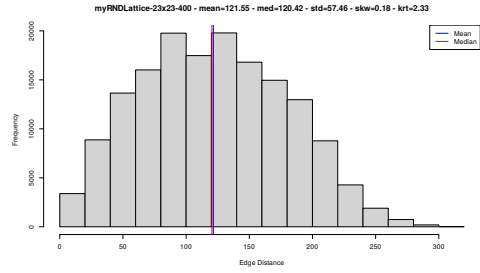
13

(a) Vertex plot

(b) Histogram of edge distances from distance matrix
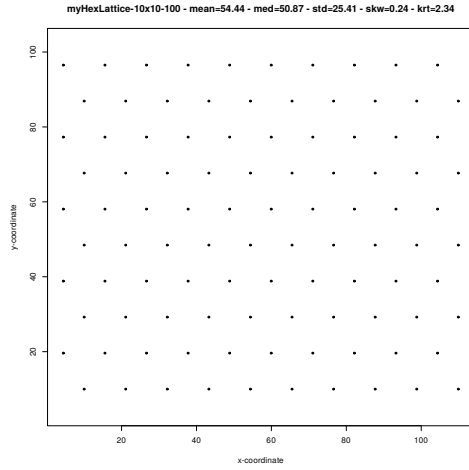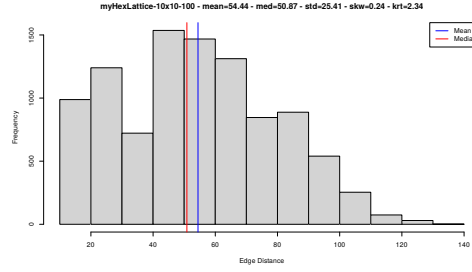
Figure 27: myRNDLattice-18x23-300

(a) Vertex plot

(b) Histogram of edge distances from distance matrix

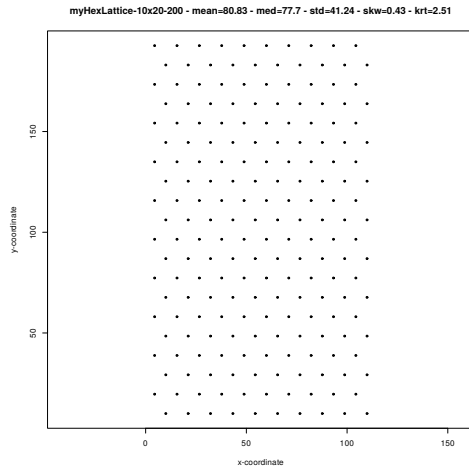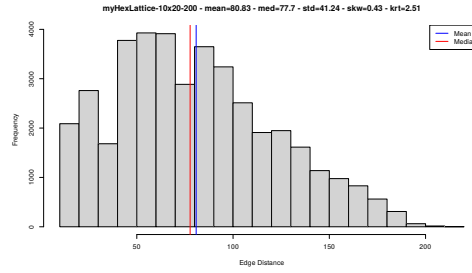Figure 28: myRNDLattice-23x23-400

14

myHexLattice-10x10-100 - mean=54.44 - med=50.87 - std=25.41 - skw=0.24 - krt=2.34

(a) Vertex plot

(b) Histogram of edge distances from distance matrix

Figure 29: a280

myHexLattice-10x20-200 - mean=80.83 - med=77.7 - std=41.24 - skw=0.43 - krt=2.51

(a) Vertex plot

(b) Histogram of edge distances from distance matrix

Figure 30: myHexLattice-10x20-200

15

myHexLattice-15x20-300 - mean=90.77 - med=87.86 - std=43.07 - skw=0.22 - krt=2.35

(a) Vertex plot

(b) Histogram of edge distances from distance matrix

Figure 31: myHexLattice-15x20-300

myHexLattice-20x20-400 - mean=102.96 - med=100.64 - std=48.96 - skw=0.22 - krt=2.36
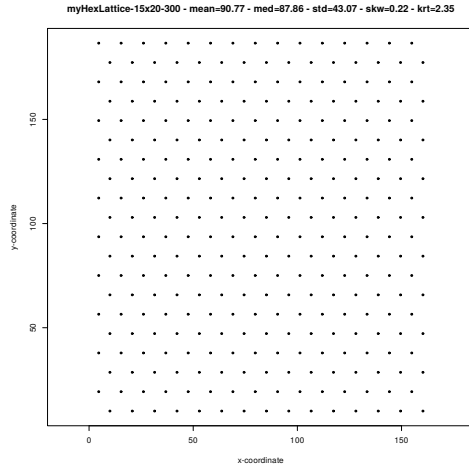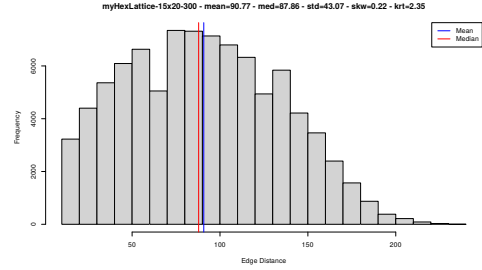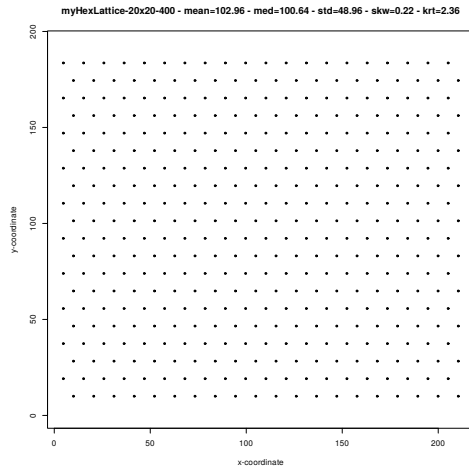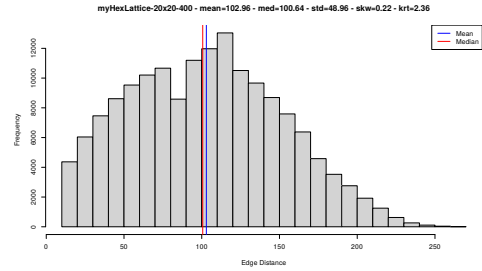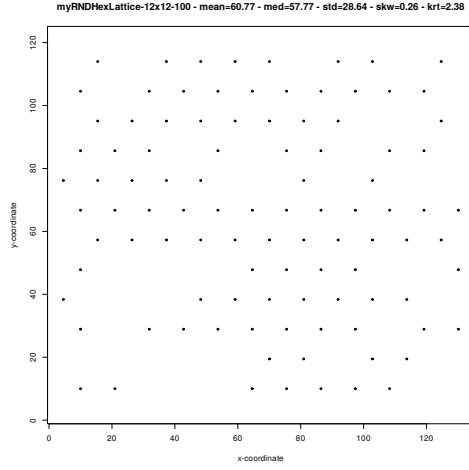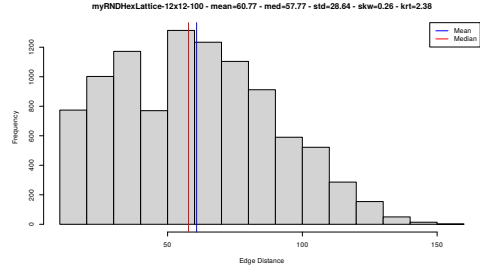
(a) Vertex plot

(b) Histogram of edge distances from distance matrix
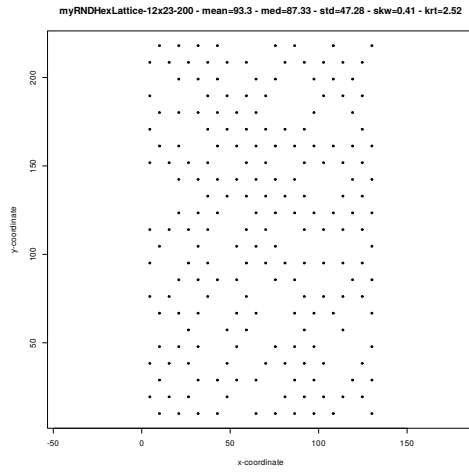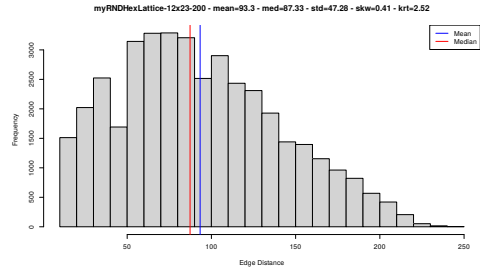
Figure 32: myHexLattice-20x20-400

(a) Vertex plot

(b) Histogram of edge distances from distance matrix
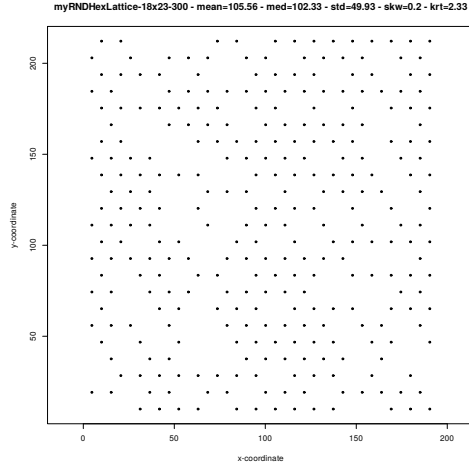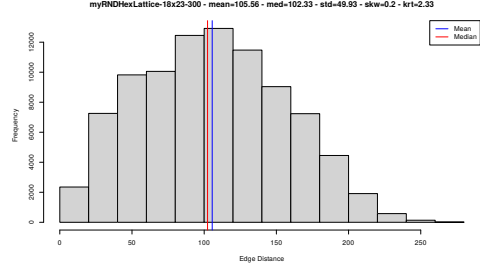
Figure 33: myRNDHexLattice-12x12-100

(a) Vertex plot

(b) Histogram of edge distances from distance matrix
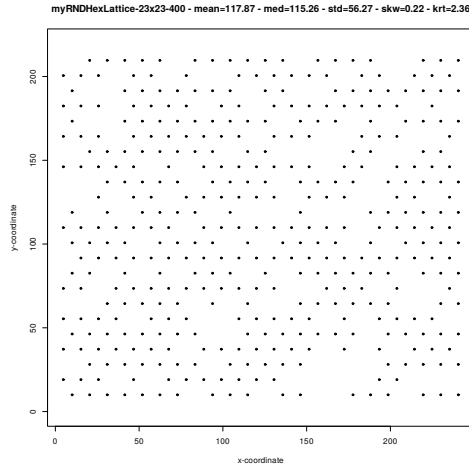
Figure 34: myRNDHexLattice-12x23-200
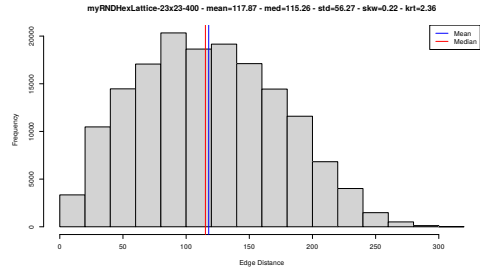
17

(a) Vertex plot

(b) Histogram of edge distances from distance matrix

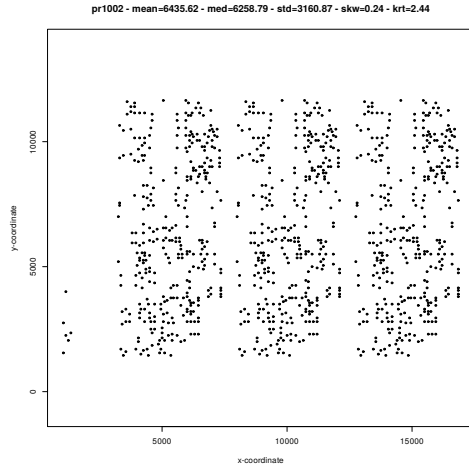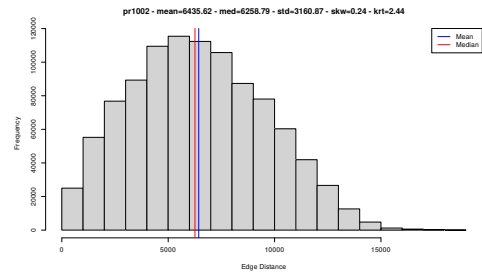Figure 35: myRNDHexLattice-18x23-300

(a) Vertex plot

(b) Histogram of edge distances from distance matrix

Figure 36: myRNDHexLattice-23x23-400

18

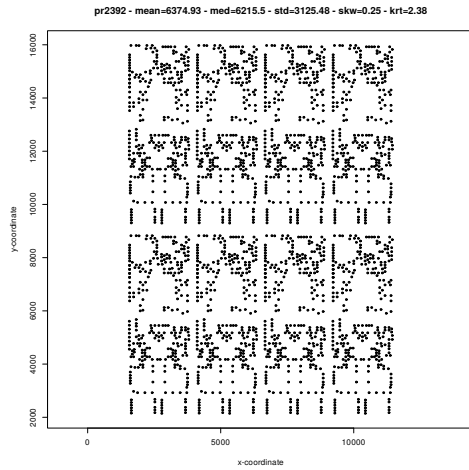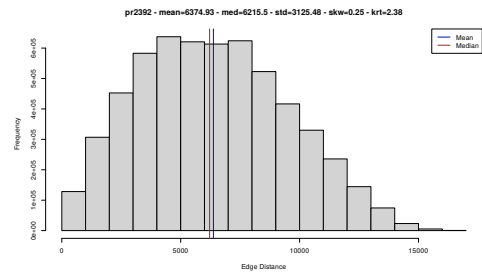# 4 Histograms of Big Dataset

(a) Vertex plot

(b) Histogram of edge distances from distance matrix
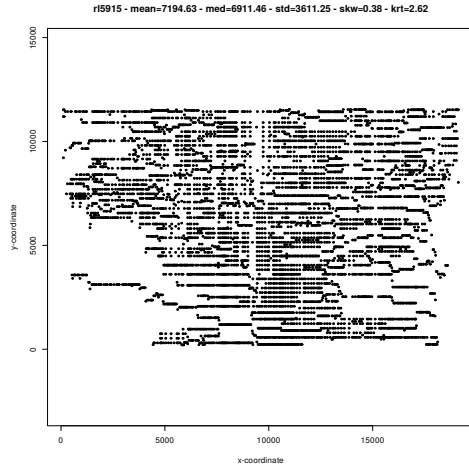
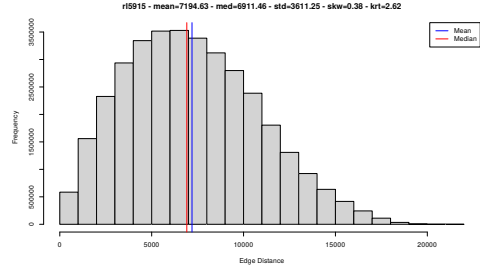Figure 37: pr1002

(a) Vertex plot

(b) Histogram of edge distances from distance matrix
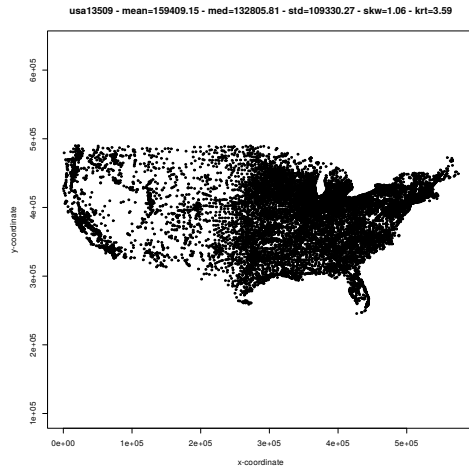
Figure 38: pr2392
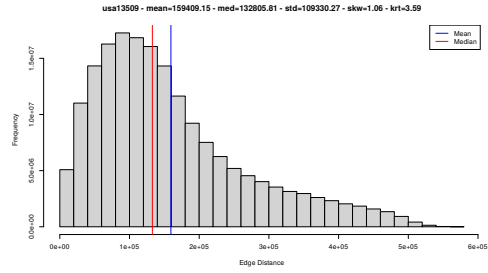
(a) Vertex plot

(b) Histogram of edge distances from distance matrix
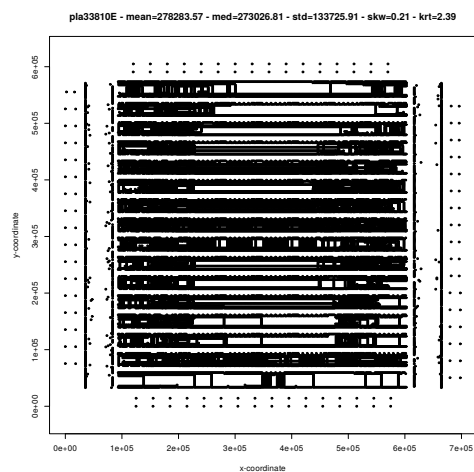
Figure 39: rl5915
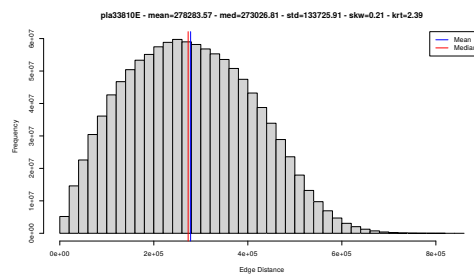

(a) Vertex plot

(b) Histogram of edge distances from distance matrix

Figure 40: usa13509

(a) Vertex plot

(b) Histogram of edge distances from distance matrix

Figure 41: pla33810E