> kruskalmc(length ~ participant.number,probs=0.001, data=r.cobble.data.novice.collected.new) #for some reason the Expert data

Multiple comparison test after Kruskal-Wallis

p.value: 0.001

Comparisons

obs.dif critical.dif difference

N1-N10 20.8 61.14302 FALSE

N1-N11 25.0 61.14302 FALSE

N1-N12 62.4 61.14302 TRUE

N1-N2 72.3 61.14302 TRUE

N1-N3 38.7 61.14302 FALSE

N1-N4 18.8 61.14302 FALSE

N1-N5 28.1 61.14302 FALSE

N1-N6 36.0 61.14302 FALSE

N1-N7 15.3 61.14302 FALSE

N1-N9 43.2 61.14302 FALSE

N10-N11 4.2 61.14302 FALSE

N10-N12 41.6 61.14302 FALSE

N10-N2 51.5 61.14302 FALSE

N10-N3 17.9 61.14302 FALSE

N10-N4 2.0 61.14302 FALSE

N10-N5 7.3 61.14302 FALSE

N10-N6 15.2 61.14302 FALSE

N10-N7 36.1 61.14302 FALSE

N10-N9 22.4 61.14302 FALSE

N11-N12 37.4 61.14302 FALSE

N11-N2 47.3 61.14302 FALSE

N11-N3 13.7 61.14302 FALSE

N11-N4 6.2 61.14302 FALSE

N11-N5 3.1 61.14302 FALSE

N11-N6 11.0 61.14302 FALSE

N11-N7 40.3 61.14302 FALSE

N11-N9 18.2 61.14302 FALSE

N12-N2 9.9 61.14302 FALSE

N12-N3 23.7 61.14302 FALSE

N12-N4 43.6 61.14302 FALSE

N12-N5 34.3 61.14302 FALSE

N12-N6 26.4 61.14302 FALSE

N12-N7 77.7 61.14302 TRUE

N12-N9 19.2 61.14302 FALSE

N2-N3 33.6 61.14302 FALSE

N2-N4 53.5 61.14302 FALSE

N2-N5 44.2 61.14302 FALSE

N2-N6 36.3 61.14302 FALSE

N2-N7 87.6 61.14302 TRUE

N2-N9 29.1 61.14302 FALSE

N3-N4 19.9 61.14302 FALSE

N3-N5 10.6 61.14302 FALSE

N3-N6 2.7 61.14302 FALSE

N3-N7 54.0 61.14302 FALSE

N3-N9 4.5 61.14302 FALSE

N4-N5 9.3 61.14302 FALSE

N4-N6 17.2 61.14302 FALSE

N4-N7 34.1 61.14302 FALSE

N4-N9 24.4 61.14302 FALSE

N5-N6 7.9 61.14302 FALSE

N5-N7 43.4 61.14302 FALSE

N5-N9 15.1 61.14302 FALSE

N6-N7 51.3 61.14302 FALSE

N6-N9 7.2 61.14302 FALSE

N7-N9 58.5 61.14302 FALSE

> kruskalmc(breadth ~ participant.number,probs=0.001, data=r.cobble.data.novice.collected.new)

Multiple comparison test after Kruskal-Wallis

p.value: 0.001

Comparisons

obs.dif critical.dif difference

N1-N10 16.50 61.14302 FALSE

N1-N11 18.70 61.14302 FALSE

N1-N12 62.00 61.14302 TRUE

N1-N2 56.00 61.14302 FALSE

N1-N3 24.90 61.14302 FALSE

N1-N4 18.95 61.14302 FALSE

N1-N5 39.80 61.14302 FALSE

N1-N6 12.65 61.14302 FALSE

N1-N7 19.10 61.14302 FALSE

N1-N9 12.70 61.14302 FALSE

N10-N11 2.20 61.14302 FALSE

N10-N12 45.50 61.14302 FALSE

N10-N2 39.50 61.14302 FALSE

N10-N3 8.40 61.14302 FALSE

N10-N4 2.45 61.14302 FALSE

N10-N5 23.30 61.14302 FALSE

N10-N6 3.85 61.14302 FALSE

N10-N7 35.60 61.14302 FALSE

N10-N9 3.80 61.14302 FALSE

N11-N12 43.30 61.14302 FALSE

N11-N2 37.30 61.14302 FALSE

N11-N3 6.20 61.14302 FALSE

N11-N4 0.25 61.14302 FALSE

N11-N5 21.10 61.14302 FALSE

N11-N6 6.05 61.14302 FALSE

N11-N7 37.80 61.14302 FALSE

N11-N9 6.00 61.14302 FALSE

N12-N2 6.00 61.14302 FALSE

N12-N3 37.10 61.14302 FALSE

N12-N4 43.05 61.14302 FALSE

N12-N5 22.20 61.14302 FALSE

N12-N6 49.35 61.14302 FALSE

N12-N7 81.10 61.14302 TRUE

N12-N9 49.30 61.14302 FALSE

N2-N3 31.10 61.14302 FALSE

N2-N4 37.05 61.14302 FALSE

N2-N5 16.20 61.14302 FALSE

N2-N6 43.35 61.14302 FALSE

N2-N7 75.10 61.14302 TRUE

N2-N9 43.30 61.14302 FALSE

N3-N4 5.95 61.14302 FALSE

N3-N5 14.90 61.14302 FALSE

N3-N6 12.25 61.14302 FALSE

N3-N7 44.00 61.14302 FALSE

N3-N9 12.20 61.14302 FALSE

N4-N5 20.85 61.14302 FALSE

N4-N6 6.30 61.14302 FALSE

N4-N7 38.05 61.14302 FALSE

N4-N9 6.25 61.14302 FALSE

N5-N6 27.15 61.14302 FALSE

N5-N7 58.90 61.14302 FALSE

N5-N9 27.10 61.14302 FALSE

N6-N7 31.75 61.14302 FALSE

N6-N9 0.05 61.14302 FALSE

N7-N9 31.80 61.14302 FALSE

> kruskalmc(thickness~ participant.number,probs=0.001, data=r.cobble.data.novice.collected.new)

Multiple comparison test after Kruskal-Wallis

p.value: 0.001

Comparisons

obs.dif critical.dif difference

N1-N10 43.65 61.14302 FALSE

N1-N11 5.10 61.14302 FALSE

N1-N12 55.35 61.14302 FALSE

N1-N2 57.80 61.14302 FALSE

N1-N3 40.80 61.14302 FALSE

N1-N4 28.15 61.14302 FALSE

N1-N5 37.85 61.14302 FALSE

N1-N6 22.90 61.14302 FALSE

N1-N7 21.10 61.14302 FALSE

N1-N9 25.70 61.14302 FALSE

N10-N11 48.75 61.14302 FALSE

N10-N12 11.70 61.14302 FALSE

N10-N2 14.15 61.14302 FALSE

N10-N3 2.85 61.14302 FALSE

N10-N4 15.50 61.14302 FALSE

N10-N5 5.80 61.14302 FALSE

N10-N6 20.75 61.14302 FALSE

N10-N7 64.75 61.14302 TRUE

N10-N9 17.95 61.14302 FALSE

N11-N12 60.45 61.14302 FALSE

N11-N2 62.90 61.14302 TRUE

N11-N3 45.90 61.14302 FALSE

N11-N4 33.25 61.14302 FALSE

N11-N5 42.95 61.14302 FALSE

N11-N6 28.00 61.14302 FALSE

N11-N7 16.00 61.14302 FALSE

N11-N9 30.80 61.14302 FALSE

N12-N2 2.45 61.14302 FALSE

N12-N3 14.55 61.14302 FALSE

N12-N4 27.20 61.14302 FALSE

N12-N5 17.50 61.14302 FALSE

N12-N6 32.45 61.14302 FALSE

N12-N7 76.45 61.14302 TRUE

N12-N9 29.65 61.14302 FALSE

N2-N3 17.00 61.14302 FALSE

N2-N4 29.65 61.14302 FALSE

N2-N5 19.95 61.14302 FALSE

N2-N6 34.90 61.14302 FALSE

N2-N7 78.90 61.14302 TRUE

N2-N9 32.10 61.14302 FALSE

N3-N4 12.65 61.14302 FALSE

N3-N5 2.95 61.14302 FALSE

N3-N6 17.90 61.14302 FALSE

N3-N7 61.90 61.14302 TRUE

N3-N9 15.10 61.14302 FALSE

N4-N5 9.70 61.14302 FALSE

N4-N6 5.25 61.14302 FALSE

N4-N7 49.25 61.14302 FALSE

N4-N9 2.45 61.14302 FALSE

N5-N6 14.95 61.14302 FALSE

N5-N7 58.95 61.14302 FALSE

N5-N9 12.15 61.14302 FALSE

N6-N7 44.00 61.14302 FALSE

N6-N9 2.80 61.14302 FALSE

N7-N9 46.80 61.14302 FALSE

> kruskalmc(mass ~ participant.number,probs=0.001, data=r.cobble.data.novice.collected.new)

Multiple comparison test after Kruskal-Wallis

p.value: 0.001

Comparisons

obs.dif critical.dif difference

N1-N10 28.35 61.14302 FALSE

N1-N11 10.10 61.14302 FALSE

N1-N12 66.80 61.14302 TRUE

N1-N2 69.15 61.14302 TRUE

N1-N3 39.90 61.14302 FALSE

N1-N4 24.55 61.14302 FALSE

N1-N5 38.20 61.14302 FALSE

N1-N6 28.20 61.14302 FALSE

N1-N7 17.30 61.14302 FALSE

N1-N9 31.60 61.14302 FALSE

N10-N11 18.25 61.14302 FALSE

N10-N12 38.45 61.14302 FALSE

N10-N2 40.80 61.14302 FALSE

N10-N3 11.55 61.14302 FALSE

N10-N4 3.80 61.14302 FALSE

N10-N5 9.85 61.14302 FALSE

N10-N6 0.15 61.14302 FALSE

N10-N7 45.65 61.14302 FALSE

N10-N9 3.25 61.14302 FALSE

N11-N12 56.70 61.14302 FALSE

N11-N2 59.05 61.14302 FALSE

N11-N3 29.80 61.14302 FALSE

N11-N4 14.45 61.14302 FALSE

N11-N5 28.10 61.14302 FALSE

N11-N6 18.10 61.14302 FALSE

N11-N7 27.40 61.14302 FALSE

N11-N9 21.50 61.14302 FALSE

N12-N2 2.35 61.14302 FALSE

N12-N3 26.90 61.14302 FALSE

N12-N4 42.25 61.14302 FALSE

N12-N5 28.60 61.14302 FALSE

N12-N6 38.60 61.14302 FALSE

N12-N7 84.10 61.14302 TRUE

N12-N9 35.20 61.14302 FALSE

N2-N3 29.25 61.14302 FALSE

N2-N4 44.60 61.14302 FALSE

N2-N5 30.95 61.14302 FALSE

N2-N6 40.95 61.14302 FALSE

N2-N7 86.45 61.14302 TRUE

N2-N9 37.55 61.14302 FALSE

N3-N4 15.35 61.14302 FALSE

N3-N5 1.70 61.14302 FALSE

N3-N6 11.70 61.14302 FALSE

N3-N7 57.20 61.14302 FALSE

N3-N9 8.30 61.14302 FALSE

N4-N5 13.65 61.14302 FALSE

N4-N6 3.65 61.14302 FALSE

N4-N7 41.85 61.14302 FALSE

N4-N9 7.05 61.14302 FALSE

N5-N6 10.00 61.14302 FALSE

N5-N7 55.50 61.14302 FALSE

N5-N9 6.60 61.14302 FALSE

N6-N7 45.50 61.14302 FALSE

N6-N9 3.40 61.14302 FALSE

N7-N9 48.90 61.14302 FALSE

> kruskalmc(length ~ participant.number,probs=0.001, data=r.cobble.data.expert.collected.new)

Multiple comparison test after Kruskal-Wallis

p.value: 0.001

Comparisons

obs.dif critical.dif difference

E1-E2 24.212121 25.37039 FALSE

E1-E3 16.742424 25.37039 FALSE

E2-E3 7.469697 25.37039 FALSE

> kruskalmc(breadth ~ participant.number,probs=0.001, data=r.cobble.data.expert.collected.new)

Multiple comparison test after Kruskal-Wallis

p.value: 0.001

Comparisons

obs.dif critical.dif difference

E1-E2 24.409091 25.37039 FALSE

E1-E3 9.863636 25.37039 FALSE

E2-E3 14.545455 25.37039 FALSE

> kruskalmc(thickness ~ participant.number,probs=0.001, data=r.cobble.data.expert.collected.new)

Multiple comparison test after Kruskal-Wallis

p.value: 0.001

Comparisons

obs.dif critical.dif difference

E1-E2 47.27273 25.37039 TRUE

E1-E3 19.63636 25.37039 FALSE

E2-E3 27.63636 25.37039 TRUE

> kruskalmc(mass ~ participant.number,probs=0.001, data=r.cobble.data.expert.collected.new)

Multiple comparison test after Kruskal-Wallis

p.value: 0.001

Comparisons

obs.dif critical.dif difference

E1-E2 38.62121 25.37039 TRUE

E1-E3 18.06061 25.37039 FALSE

E2-E3 20.56061 25.37039 FALSE