

Sheet1

Best Global Fitness

Run	Combo 1	Combo 2	Combo 3	Combo 4	Combo 5	Combo 6
0	12108	13181	13246	12090	13245	13192
1	11974	13082	13178	12033	13329	13280
2	11948	13153	13187	11988	13223	13247
3	12022	13149	13200	12140	13223	13194
4	12068	13240	13106	12108	13251	13247
5	11985	13144	13243	11915	13245	13219
6	11925	13128	13151	12048	13290	13236
7	12040	13132	13178	12075	13180	13212
8	11998	13170	13183	11945	13160	13270
9	11959	13145	13187	12023	13248	13219
10	11881	13153	13116	12079	13176	13228
11	11951	13118	13133	12032	13212	13277
12	11978	13133	13178	12080	13256	13188
13	12040	13195	13150	12011	13311	13228
14	12058	13167	13172	12062	13296	13177
15	12035	13154	13253	12015	13185	13242
16	12102	13190	13185	12018	13299	13215
17	12070	13164	13285	12034	13151	13230
18	11980	13236	13179	12044	13197	13191
19	11948	13121	13283	12052	13303	13250
20	11952	13157	13172	12115	13307	13339
21	12074	13227	13225	12040	13208	13207
22	12003	13158	13085	11944	13215	13237
23	12076	13263	13212	12064	13230	13251
24	12085	13176	13205	11930	13235	13213
25	12044	13186	13179	12098	13224	13267
26	12038	13149	13253	12012	13219	13249
27	12037	13149	13148	12078	13247	13224
28	12005	13223	13177	11991	13207	13261
29	11880	13190	13164	11967	13225	13229
Mean	12008.8	13167.76667	13187.1	12034.36667	13236.56667	13233.96667

F-Test

	Combo 1	Combo 2	Combo 3	Combo 4	Combo 5	Combo 6
Combo 1	X	X	X	X	X	X
Combo 2	0.027125449	X	X	X	X	X
Combo 3	0.203677369	0.336344465	X	X	X	X
Combo 4	0.654550559	0.075554867	0.407811905	X	X	X
Combo 5	0.145914491	0.437338184	0.852509635	0.311384184	X	X
Combo 6	0.001766723	0.330867132	0.055047275	0.006720331	0.082238386	X
Combo 7	0.586442337	0.09241604	0.464471528	0.922922047	0.359486934	0.008810739
Combo 8	0.057006677	0.750708405	0.518659852	0.142530447	0.645534898	0.198215392
Combo 9	0.149336336	0.430060206	0.862288303	0.317324097	0.990059591	0.080121737

F-Critical 161.4476388 (All F's are less than F-critical)

Variance

Sheet1

	Combo 1	Combo 2	Combo 3	Combo 4	Combo 5	Combo 6
Combo 1	X	X	X	X	X	X
Combo 2	inequal	X	X	X	X	X
Combo 3	inequal	inequal	X	X	X	X
Combo 4	inequal	equal	equal	X	X	X
Combo 5	inequal	inequal	inequal	inequal	X	X
Combo 6	inequal	inequal	inequal	inequal	equal	X
Combo 7	inequal	equal	equal	inequal	equal	equal
Combo 8	inequal	inequal	inequal	inequal	inequal	inequal
Combo 9	inequal	inequal	inequal	inequal	inequal	inequal

T-Test (All two-tailed, with either equal or unequal variance assumed)

	Combo 1	Combo 2	Combo 3	Combo 4	Combo 5	Combo 6
Combo 1	X	X	X	X	X	X
Combo 2	2.8467E-056	X	X	X	X	X
Combo 3	2.0270E-059	0.097032035	X	X	X	X
Combo 4	0.097468617	6.1504E-064	1.2052E-062	X	X	X
Combo 5	5.6103E-060	8.9588E-008	0.000156229	2.4231E-062	X	X
Combo 6	1.0622E-053	4.4900E-009	0.000059025	9.7517E-057	0.804693326	X
Combo 7	1.8840E-005	3.1350E-063	6.4451E-062	0.002964913	2.2348E-063	4.1514E-066
Combo 8	5.6846E-059	3.2203E-011	3.0083E-007	9.0005E-062	0.110184873	0.035953397
Combo 9	3.7185E-061	1.2361E-016	3.0083E-007	1.4285E-063	3.3889E-006	1.0946E-007

Combo 9 has the best average global best fitness, and according to the t-test is r

Combo 7	Combo 8	Combo 9
12145	13299	13324
12215	13336	13410
11980	13268	13292
12116	13236	13372
12090	13243	13265
12093	13336	13287
11998	13269	13236
11975	13255	13383
12045	13212	13340
12120	13306	13266
12054	13275	13308
12060	13220	13291
12098	13245	13308
12153	13261	13301
12169	13220	13269
12082	13295	13316
12050	13207	13316
12097	13264	13316
12113	13233	13312
12063	13237	13294
12058	13292	13340
12113	13230	13200
12002	13267	13285
12115	13294	13324
12100	13238	13268
12070	13282	13279
12009	13301	13211
12070	13195	13257
12033	13180	13336
12085	13162	13245
12079.03333	13255.26667	13298.36667

Combo 7	Combo 8	Combo 9
X	X	X
X	X	X
X	X	X
X	X	X
X	X	X
X	X	X
X	X	X
0.170267198	X	X
0.366009419	0.636634697	X

Combo 7	Combo 8	Combo 9
X	X	X
X	X	X
X	X	X
X	X	X
X	X	X
X	X	X
X	X	X
inequal	X	X
inequal	inequal	X

Combo 7	Combo 8	Combo 9
X	X	X
X	X	X
X	X	X
X	X	X
X	X	X
X	X	X
X	X	X
1.4448E-061	X	X
2.9469E-063	0.000433423	X

not likely to be the same distribution as the other combos