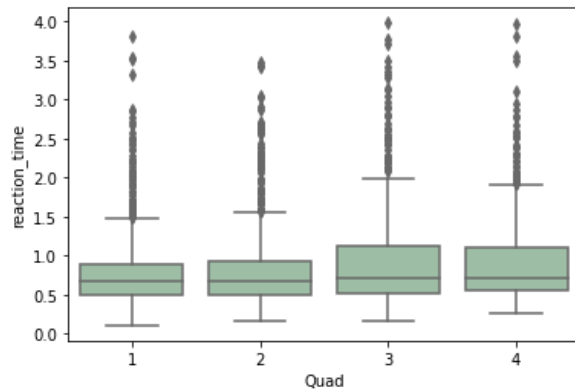


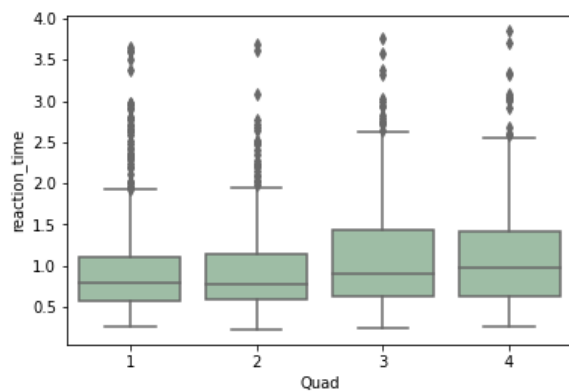
Quadrant and 4Diff Data ANOVA Results:

1. Only includes data with reaction time < 1.5 S
2. Only includes data with TP=1 or FN=1

Box Plot (Quadrants)



Box Plot (4Diff)



ANOVA table for "reaction time" ~ "Quad"

	sum_sq	df	F	PR(>F)
C(Quad)	1.869164	3.0	8.158367	0.000021
Residual	213.606947	2797.0	NaN	NaN

	sum_sq	df	F	PR(>F)
C(Quad)	12.285904	3.0	11.576604	1.608091e-07

Residual 680.981676 1925.0 NaN NaN

ANOVA table for "reaction time" ~ "top-bottom"

	sum_sq	df	F	PR(>F)
C(top)	1.721913	1.0	22.547554	0.000002
Residual	213.754198	2799.0	NaN	NaN

	sum_sq	df	F	PR(>F)
C(top)	12.117273	1.0	34.280223	5.596621e-09
Residual	681.150307	1927.0	NaN	NaN

ANOVA table for "reaction time" ~ "right-left"

	sum_sq	df	F	PR(>F)
C(right)	0.008235	1.0	0.106971	0.743643
Residual	215.467876	2799.0	NaN	NaN

	sum_sq	df	F	PR(>F)
C(right)	0.021926	1.0	0.060947	0.805032
Residual	693.245654	1927.0	NaN	NaN

ANOVA table for "reaction time" ~ "ypos"

	sum_sq	df	F	PR(>F)
C(ypos)	19.397749	5.0	55.301063	5.975622e-55
Residual	196.078361	2795.0	NaN	NaN

	sum_sq	df	F	PR(>F)
C(ypos)	10.256301	13.0	9.180778	1.587642e-18
Residual	135.690686	1579.0	NaN	NaN

Post Hoc table for "reaction time" ~ "Quad"

Multiple Comparison of Means - Tukey HSD, FWER=0.05

=====

group1 group2 meandiff p-adj lower upper reject

```
-----  
1 2 0.0105 0.8789 -0.0269 0.0479 False  
1 3 0.0458 0.0108 0.0077 0.0839 True  
1 4 0.0636 0.001 0.0258 0.1014 True  
2 3 0.0353 0.0825 -0.0029 0.0735 False  
2 4 0.0531 0.0018 0.0152 0.091 True  
3 4 0.0178 0.62 -0.0208 0.0564 False  
-----
```

Multiple Comparison of Means - Tukey HSD, FWER=0.05

=====

group1 group2 meandiff p-adj lower upper reject

```
-----  
1 2 -0.0142 0.9 -0.1143 0.0859 False  
1 3 0.1429 0.001 0.0513 0.2345 True  
1 4 0.1656 0.001 0.0665 0.2647 True  
2 3 0.1571 0.001 0.0568 0.2574 True  
2 4 0.1798 0.001 0.0725 0.287 True  
3 4 0.0227 0.9 -0.0767 0.122 False  
-----
```

Post Hoc table for "reaction time" ~ "ypos"

Multiple Comparison of Means - Tukey HSD, FWER=0.05

=====

group1 group2 meandiff p-adj lower upper reject

```
-----  
-0.924 -0.707 -0.2111 0.001 -0.2624 -0.1599 True  
-0.924 -0.383 -0.0372 0.5035 -0.098 0.0237 False  
-0.924 0.383 -0.1013 0.001 -0.1609 -0.0417 True
```

-0.924	0.707	-0.229	0.001	-0.2801	-0.1779	True
-0.924	0.924	-0.1223	0.001	-0.1813	-0.0633	True
-0.707	-0.383	0.174	0.001	0.1228	0.2251	True
-0.707	0.383	0.1098	0.001	0.0602	0.1594	True
-0.707	0.707	-0.0179	0.7558	-0.0569	0.0212	False
-0.707	0.924	0.0888	0.001	0.0399	0.1378	True
-0.383	0.383	-0.0642	0.0258	-0.1237	-0.0047	True
-0.383	0.707	-0.1918	0.001	-0.2428	-0.1408	True
-0.383	0.924	-0.0851	0.001	-0.1441	-0.0262	True
0.383	0.707	-0.1277	0.001	-0.1771	-0.0782	True
0.383	0.924	-0.021	0.9	-0.0786	0.0366	False
0.707	0.924	0.1067	0.001	0.0579	0.1555	True

Multiple Comparison of Means - Tukey HSD, FWER=0.05

=====

group1	group2	meandiff	p-adj	lower	upper	reject
--------	--------	----------	-------	-------	-------	--------

-1.0	-0.924	0.045	0.9	-0.1031	0.193	False
-1.0	-0.809	0.0138	0.9	-0.1423	0.17	False
-1.0	-0.707	-0.1597	0.002	-0.2867	-0.0327	True
-1.0	-0.5	-0.0802	0.7385	-0.2149	0.0545	False
-1.0	-0.383	-0.0177	0.9	-0.1629	0.1274	False
-1.0	-0.309	-0.0205	0.9	-0.1817	0.1406	False
-1.0	0.309	0.011	0.9	-0.141	0.163	False
-1.0	0.383	-0.1189	0.2699	-0.2658	0.0281	False
-1.0	0.5	-0.1041	0.4101	-0.2437	0.0355	False
-1.0	0.707	-0.2245	0.001	-0.3484	-0.1006	True
-1.0	0.809	-0.0692	0.9	-0.2217	0.0832	False

-1.0 0.924 -0.0844 0.7572 -0.2282 0.0595 False
-1.0 1.0 -0.096 0.5354 -0.2351 0.0431 False
-0.924 -0.809 -0.0311 0.9 -0.1853 0.123 False
-0.924 -0.707 -0.2047 0.001 -0.3292 -0.0801 True
-0.924 -0.5 -0.1252 0.087 -0.2576 0.0072 False
-0.924 -0.383 -0.0627 0.9 -0.2057 0.0803 False
-0.924 -0.309 -0.0655 0.9 -0.2247 0.0937 False
-0.924 0.309 -0.034 0.9 -0.1839 0.116 False
-0.924 0.383 -0.1638 0.0111 -0.3086 -0.019 True
-0.924 0.5 -0.149 0.0195 -0.2864 -0.0116 True
-0.924 0.707 -0.2694 0.001 -0.3908 -0.1481 True
-0.924 0.809 -0.1142 0.3768 -0.2646 0.0362 False
-0.924 0.924 -0.1293 0.1174 -0.271 0.0123 False
-0.924 1.0 -0.141 0.0363 -0.2779 -0.0041 True
-0.809 -0.707 -0.1735 0.0012 -0.3075 -0.0395 True
-0.809 -0.5 -0.094 0.5887 -0.2354 0.0473 False
-0.809 -0.383 -0.0315 0.9 -0.1829 0.1198 False
-0.809 -0.309 -0.0343 0.9 -0.2011 0.1324 False
-0.809 0.309 -0.0029 0.9 -0.1607 0.155 False
-0.809 0.383 -0.1327 0.1736 -0.2857 0.0203 False
-0.809 0.5 -0.1179 0.2731 -0.2639 0.0281 False
-0.809 0.707 -0.2383 0.001 -0.3694 -0.1072 True
-0.809 0.809 -0.0831 0.8902 -0.2414 0.0753 False
-0.809 0.924 -0.0982 0.612 -0.2483 0.0518 False
-0.809 1.0 -0.1099 0.3873 -0.2554 0.0357 False
-0.707 -0.5 0.0795 0.4373 -0.0288 0.1878 False
-0.707 -0.383 0.142 0.0065 0.021 0.263 True
-0.707 -0.309 0.1392 0.0523 -0.0006 0.279 False
-0.707 0.309 0.1707 0.001 0.0416 0.2998 True

-0.707 0.383 0.0408 0.9 -0.0823 0.164 False
-0.707 0.5 0.0556 0.9 -0.0587 0.1699 False
-0.707 0.707 -0.0648 0.5452 -0.1592 0.0297 False
-0.707 0.809 0.0905 0.5197 -0.0392 0.2202 False
-0.707 0.924 0.0753 0.6629 -0.0441 0.1947 False
-0.707 1.0 0.0637 0.8143 -0.05 0.1774 False
-0.5 -0.383 0.0625 0.9 -0.0666 0.1916 False
-0.5 -0.309 0.0597 0.9 -0.0872 0.2066 False
-0.5 0.309 0.0912 0.5855 -0.0456 0.2279 False
-0.5 0.383 -0.0387 0.9 -0.1698 0.0925 False
-0.5 0.5 -0.0238 0.9 -0.1467 0.099 False
-0.5 0.707 -0.1442 0.001 -0.2489 -0.0396 True
-0.5 0.809 0.011 0.9 -0.1263 0.1483 False
-0.5 0.924 -0.0042 0.9 -0.1318 0.1235 False
-0.5 1.0 -0.0158 0.9 -0.1381 0.1065 False
-0.383 -0.309 -0.0028 0.9 -0.1593 0.1537 False
-0.383 0.309 0.0287 0.9 -0.1183 0.1757 False
-0.383 0.383 -0.1012 0.4855 -0.243 0.0407 False
-0.383 0.5 -0.0863 0.6358 -0.2205 0.0479 False
-0.383 0.707 -0.2067 0.001 -0.3245 -0.089 True
-0.383 0.809 -0.0515 0.9 -0.199 0.096 False
-0.383 0.924 -0.0667 0.9 -0.2053 0.0719 False
-0.383 1.0 -0.0783 0.7592 -0.212 0.0554 False
-0.309 0.309 0.0315 0.9 -0.1313 0.1943 False
-0.309 0.383 -0.0984 0.6815 -0.2565 0.0598 False
-0.309 0.5 -0.0836 0.8314 -0.2349 0.0678 False
-0.309 0.707 -0.204 0.001 -0.3409 -0.067 True
-0.309 0.809 -0.0487 0.9 -0.212 0.1146 False
-0.309 0.924 -0.0639 0.9 -0.2191 0.0914 False

-0.309 1.0 -0.0755 0.9 -0.2264 0.0754 False
0.309 0.383 -0.1298 0.1658 -0.2786 0.0189 False
0.309 0.5 -0.115 0.2631 -0.2566 0.0265 False
0.309 0.707 -0.2354 0.001 -0.3615 -0.1094 True
0.309 0.809 -0.0802 0.9 -0.2345 0.074 False
0.309 0.924 -0.0954 0.6123 -0.2411 0.0504 False
0.309 1.0 -0.107 0.3785 -0.2481 0.0341 False
0.383 0.5 0.0148 0.9 -0.1213 0.1509 False
0.383 0.707 -0.1056 0.1554 -0.2255 0.0144 False
0.383 0.809 0.0496 0.9 -0.0996 0.1989 False
0.383 0.924 0.0345 0.9 -0.106 0.175 False
0.383 1.0 0.0228 0.9 -0.1128 0.1585 False
0.5 0.707 -0.1204 0.0192 -0.2313 -0.0095 True
0.5 0.809 0.0348 0.9 -0.1073 0.1769 False
0.5 0.924 0.0197 0.9 -0.1131 0.1525 False
0.5 1.0 0.008 0.9 -0.1196 0.1357 False
0.707 0.809 0.1552 0.0032 0.0286 0.2819 True
0.707 0.924 0.1401 0.0042 0.0239 0.2562 True
0.707 1.0 0.1284 0.0072 0.0182 0.2387 True
0.809 0.924 -0.0151 0.9 -0.1614 0.1311 False
0.809 1.0 -0.0268 0.9 -0.1684 0.1148 False
0.924 1.0 -0.0116 0.9 -0.1439 0.1206 False
