

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Min
						Lower	Upper	
NB_Selection	Gentleman	22	27.73	5.147	1.097	25.45	30.01	20
	MPS	22	37.55	15.358	3.274	30.74	44.35	20
	Total	44	32.64	12.361	1.863	28.88	36.39	20
NB_Blank	Gentleman	22	1.32	1.555	0.332	0.63	2.01	0
	MPS	22	4.59	4.697	1.001	2.51	6.67	0
	Total	44	2.95	3.833	0.578	1.79	4.12	0
NB_Miss	Gentleman	22	0.27	0.703	0.150	-0.04	0.58	0
	MPS	22	0.73	0.883	0.188	0.34	1.12	0
	Total	44	0.50	0.821	0.124	0.25	0.75	0
NB_CxtChange	Gentleman	22	0.00	0.000	0.000	0.00	0.00	0
	MPS	22	8.36	3.430	0.731	6.84	9.88	5
	Total	44	4.18	4.862	0.733	2.70	5.66	0
NB_Idle	Gentleman	22	1.59	1.681	0.358	0.85	2.34	0
	MPS	22	2.27	2.097	0.447	1.34	3.20	0
	Total	44	1.93	1.910	0.288	1.35	2.51	0
T_Idle	Gentleman	22	5.36	7.607	1.622	1.99	8.74	0
	MPS	22	12.32	14.875	3.171	5.72	18.91	0
	Total	44	8.84	12.194	1.838	5.13	12.55	0
NB_QA	Gentleman	22	0.27	0.550	0.117	0.03	0.52	0
	MPS	22	1.32	2.234	0.476	0.33	2.31	0
	Total	44	0.80	1.692	0.255	0.28	1.31	0
T_QA	Gentleman	22	1.50	3.474	0.741	-0.04	3.04	0
	MPS	22	12.27	26.767	5.707	0.40	24.14	0
	Total	44	6.89	19.634	2.960	0.92	12.86	0
T_Total	Gentleman	22	138.18	57.208	12.197	112.82	163.55	75
	MPS	22	227.05	124.065	26.451	172.04	282.05	80
	Total	44	182.61	105.525	15.908	150.53	214.70	75
RT_Success	Gentleman	22	1.00	0.000	0.000	1.00	1.00	1
	MPS	22	1.00	0.000	0.000	1.00	1.00	1
	Total	44	1.00	0.000	0.000	1.00	1.00	1
NB_Block	Gentleman	22	0.00	0.000	0.000	0.00	0.00	0
	MPS	22	0.41	0.590	0.126	0.15	0.67	0
	Total	44	0.20	0.462	0.070	0.06	0.34	0
NB_Typos	Gentleman	22	0.59	0.959	0.204	0.17	1.02	0
	MPS	22	0.32	0.568	0.121	0.07	0.57	0
	Total	44	0.45	0.791	0.119	0.21	0.70	0

NB_DesignErr	Gentleman	22	0.05	0.213	0.045	-0.05	0.14	0
	MPS	22	0.09	0.426	0.091	-0.10	0.28	0
	Total	44	0.07	0.334	0.050	-0.03	0.17	0
NB_Bug	Gentleman	22	0.00	0.000	0.000	0.00	0.00	0
	MPS	22	0.09	0.294	0.063	-0.04	0.22	0
	Total	44	0.05	0.211	0.032	-0.02	0.11	0
Detection	Gentleman	22	0.31818	0.476731	0.101639	0.10681	0.52955	0.000
	MPS	22	0.04545	0.213201	0.045455	-0.04907	0.13998	0.000
	Total	44	0.18182	0.390154	0.058818	0.06320	0.30044	0.000
RT_Recover	Gentleman	22	0.41	0.503	0.107	0.19	0.63	0
	MPS	22	0.23	0.429	0.091	0.04	0.42	0
	Total	44	0.32	0.471	0.071	0.17	0.46	0
T_Recover	Gentleman	22	3.64	6.673	1.423	0.68	6.59	0
	MPS	22	1.27	3.042	0.649	-0.08	2.62	0
	Total	44	2.45	5.263	0.793	0.85	4.05	0
task_velocity	Gentleman	22	0.2269	0.08541	0.01821	0.1891	0.2648	0.09
	MPS	22	0.1907	0.08216	0.01752	0.1543	0.2271	0.09
	Total	44	0.2088	0.08482	0.01279	0.1830	0.2346	0.09

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
NB_Selection	Between Groups	1060.364	1	1060.364	8.083	0.007
	Within Groups	5509.818	42	131.186		
	Total	6570.182	43			
NB_Blank	Between Groups	117.818	1	117.818	9.625	0.003
	Within Groups	514.091	42	12.240		
	Total	631.909	43			
NB_Miss	Between Groups	2.273	1	2.273	3.571	0.066
	Within Groups	26.727	42	0.636		
	Total	29.000	43			
NB_CxtChange	Between Groups	769.455	1	769.455	130.790	0.000
	Within Groups	247.091	42	5.883		
	Total	1016.545	43			
NB_Idle	Between Groups	5.114	1	5.114	1.416	0.241
	Within Groups	151.682	42	3.611		
	Total	156.795	43			
T_Idle	Between Groups	532.023	1	532.023	3.812	0.058
	Within Groups	5861.864	42	139.568		
	Total	6393.886	43			

NB_QA	Between Groups	12.023	1	12.023	4.544	0.039
	Within Groups	111.136	42	2.646		
	Total	123.159	43			
T_QA	Between Groups	1276.568	1	1276.568	3.504	0.068
	Within Groups	15299.864	42	364.282		
	Total	16576.432	43			
T_Total	Between Groups	86864.205	1	86864.205	9.308	0.004
	Within Groups	391960.227	42	9332.386		
	Total	478824.432	43			
RT_Success	Between Groups	0.000	1	0.000		
	Within Groups	0.000	42	0.000		
	Total	0.000	43			
NB_Block	Between Groups	1.841	1	1.841	10.565	0.002
	Within Groups	7.318	42	0.174		
	Total	9.159	43			
NB_Typos	Between Groups	0.818	1	0.818	1.317	0.258
	Within Groups	26.091	42	0.621		
	Total	26.909	43			
NB_DesignErr	Between Groups	0.023	1	0.023	0.200	0.657
	Within Groups	4.773	42	0.114		
	Total	4.795	43			
NB_Bug	Between Groups	0.091	1	0.091	2.100	0.155
	Within Groups	1.818	42	0.043		
	Total	1.909	43			
Detection	Between Groups	0.818	1	0.818	6.000	0.019
	Within Groups	5.727	42	0.136		
	Total	6.545	43			
RT_Recover	Between Groups	0.364	1	0.364	1.663	0.204
	Within Groups	9.182	42	0.219		
	Total	9.545	43			
T_Recover	Between Groups	61.455	1	61.455	2.285	0.138
	Within Groups	1129.455	42	26.892		
	Total	1190.909	43			
task_velocity	Between Groups	0.014	1	0.014	2.055	0.159
	Within Groups	0.295	42	0.007		
	Total	0.309	43			

Robust Tests of Equality of Means^{b,c,d,e}

Statistic ^a	df1	df2	Sig.
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NB_Selection	Welch	8.083	1	25.659	0.009
	Brown-Forsythe	8.083	1	25.659	0.009
NB_Blank	Welch	9.625	1	25.548	0.005
	Brown-Forsythe	9.625	1	25.548	0.005
NB_Miss	Welch	3.571	1	39.985	0.066
	Brown-Forsythe	3.571	1	39.985	0.066
NB_CxtChange	Welch				
	Brown-Forsythe				
NB_Idle	Welch	1.416	1	40.097	0.241
	Brown-Forsythe	1.416	1	40.097	0.241
T_Idle	Welch	3.812	1	31.280	0.060
	Brown-Forsythe	3.812	1	31.280	0.060
NB_QA	Welch	4.544	1	23.542	0.044
	Brown-Forsythe	4.544	1	23.542	0.044
T_QA	Welch	3.504	1	21.707	0.075
	Brown-Forsythe	3.504	1	21.707	0.075
T_Total	Welch	9.308	1	29.544	0.005
	Brown-Forsythe	9.308	1	29.544	0.005
RT_Success	Welch				
	Brown-Forsythe				
NB_Block	Welch				
	Brown-Forsythe				
NB_Typos	Welch	1.317	1	34.113	0.259
	Brown-Forsythe	1.317	1	34.113	0.259
NB_DesignErr	Welch	0.200	1	30.882	0.658
	Brown-Forsythe	0.200	1	30.882	0.658
NB_Bug	Welch				
	Brown-Forsythe				
Detection	Welch	6.000	1	29.077	0.021
	Brown-Forsythe	6.000	1	29.077	0.021
RT_Recover	Welch	1.663	1	40.972	0.204
	Brown-Forsythe	1.663	1	40.972	0.204
T_Recover	Welch	2.285	1	29.368	0.141
	Brown-Forsythe	2.285	1	29.368	0.141
task_velocity	Welch	2.055	1	41.937	0.159
	Brown-Forsythe	2.055	1	41.937	0.159

a. Asymptotically F distributed.

b. Robust tests of equality of means cannot be performed for NB_CxtChange because at least one group has 0 variance.

- c. Robust tests of equality of means cannot be performed for RT_Success because at least one group has 0 variance.
- d. Robust tests of equality of means cannot be performed for NB_Block because at least one group has 0 variance.
- e. Robust tests of equality of means cannot be performed for NB_Bug because at least one group has 0 variance.

Measures of Association

	Eta	Eta Squared
NB_Selection * tool	0.402	0.161
NB_Blank * tool	0.432	0.186
NB_Miss * tool	0.280	0.078
NB_CxtChange * tool	0.870	0.757
NB_Idle * tool	0.181	0.033
T_Idle * tool	0.288	0.083
NB_QA * tool	0.312	0.098
T_QA * tool	0.278	0.077
T_Total * tool	0.426	0.181
NB_Block * tool	0.448	0.201
NB_Typos * tool	0.174	0.030
NB_DesignErr * tool	0.069	0.005
NB_Bug * tool	0.218	0.048
Detection * tool	0.354	0.125
RT_Recover * tool	0.195	0.038
T_Recover * tool	0.227	0.052
task_velocity * tool	0.216	0.047

Max
37
72
72
6
15
15
3
3
3
0
18
18
6
9
9
28
60
60
2
8
8
14
95
95
260
540
540
1
1
1
0
2
2
3
2
3

1
2
2
0
1
1
1.000
1.000
1.000
1
1
1
25
12
25
0.47
0.41
0.47