

Clinical Epidemiology

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QUIZ 23

Here's a statistical analysis of an exam score:

Group Statistics					
	Had_me_before	N	Mean	Std. Deviation	Std. Error Mean
EXAM_ONE_SCORE	No	38	77.32	13.415	2.176
	Yes	4	73.50	15.864	7.932
EXAM_TWO_SCORE	No	37	76.872	15.0729	2.4780
	Yes	4	77.375	23.0050	11.5025
Change_In_Exam_1_and_2	No	37	-.966	9.2639	1.5230
	Yes	4	3.875	10.9421	5.4710
Duration_1	No	38	13.3055	10.99098	1.78297
	Yes	4	21.9825	32.98834	16.49417
Duration_2	No	37	33.4546	26.01511	4.27686
	Yes	4	39.1700	58.06550	29.03275

Levene's Test for Equality of Variances				t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
EXAM_ONE_SCORE	Equal variances assumed	.023	.881	.533	40	.597	3.816	7.156	-10.647	18.279
	Equal variances not assumed			.464	3.467	.670	3.816	8.225	-20.474	28.106
EXAM_TWO_SCORE	Equal variances assumed	1.524	.224	-.060	39	.952	-.5034	8.3292	-17.3507	16.3439
	Equal variances not assumed			-.043	3.284	.968	-.5034	11.7664	-36.1805	35.1737
Change_In_Exam_1_and_2	Equal variances assumed	.089	.767	-.978	39	.334	-4.8412	4.9495	-14.8524	5.1700
	Equal variances not assumed			-.852	3.481	.449	-4.8412	5.6791	-21.5802	11.8978
Duration_1	Equal variances assumed	14.310	.001	-1.187	40	.242	-8.67697	7.30945	-23.44993	6.09598
	Equal variances not assumed			-.523	3.070	.636	-8.67697	16.59026	-60.79550	43.44155
Duration_2	Equal variances assumed	6.100	.018	-.365	39	.717	-5.71541	15.64973	-37.36996	25.93915
	Equal variances not assumed			-.195	3.131	.858	-5.71541	29.34607	-96.92789	85.49708

What statistical test was run? Interpret one result (and report its significance).