

Appendix 3A

Tables of Frequency

Table 1

GENDER

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	male	57	71.3	71.3	71.3
	female	23	28.8	28.8	100.0
	Total	80	100.0	100.0	

Table 2

EDUCATIONAL BACKGROUND

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	BA	21	26.3	26.3	26.3
	MA	45	56.3	56.3	82.5
	PhD	14	17.5	17.5	100.0
	Total	80	100.0	100.0	

Table 3

TEACHING EXPERIENCE

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0-5 years	11	13.8	13.8	13.8
	6-10 years	14	17.5	17.5	31.3
	11-15 years	15	18.8	18.8	50.0
	16-20 years	40	50.0	50.0	100.0
	Total	80	100.0	100.0	

Table 4*PROFESSIONAL DEVELOPMENT TRAINING BACKGROUND IN ASSESSMENT AND TESTING*

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	yes	44	55.0	55.0	55.0
	no	36	45.0	45.0	100.0
	Total	80	100.0	100.0	

Table 5*Total Questionnaire Respondents and Overall Mean*

	N	Range	Minimum	Maximum	Mean	Std. Deviation
Overall	80	22.00	5.00	27.00	17.25	5.27

Appendix 3B

Independent Samples T-Test Group Statistics- Total Mean Score according to Gender

Group Statistics

	gender	N	Mean	Std. Deviation	Std. Error Mean
Overall	male	57	17.14	5.54	.73425
	female	23	17.52	4.61	.96145
Standard1	male	57	2.04	1.16	.15423
	female	23	2.26	.96	.20096
Standard2	male	57	1.75	.85	.11273
	female	23	1.61	.72	.15061
Standard3	male	57	1.02	.88	.11604
	female	23	1.26	.81	.16890
Standard4	male	57	2.07	1.03	.13678
	female	23	1.96	1.07	.22208
Standard5	male	57	2.23	1.20	.15835
	female	23	1.91	1.16	.24279
Standard6	male	57	1.74	1.40	.18484
	female	23	1.65	1.40	.29225
Standard7	male	57	2.49	1.12	.14835
	female	23	2.74	.92	.19087
Standard8	male	57	1.84	1.00	.13195
	female	23	1.78	.95	.19838
Standard9	male	57	1.96	1.00	.13237
	female	23	2.35	1.27	.26382

Appendix 3C

Table 1: *Independent Samples T-Test Group Statistics- Total Questionnaire Score in Each Standard according to Professional Development Training in Assessment and Testing*

T-Test

Group Statistics

	PD training in assessment and testing	N	Mean	Std. Deviation	Std. Error Mean
Overall	yes	44	16.93	5.40	.81373
	no	36	17.64	5.15	.85834
Standard1	yes	44	1.93	1.07	.16059

	no	36	2.31	1.14	.19032
Standard2	yes	44	1.82	.76	.11390
	no	36	1.58	.87	.14571
Standard3	yes	44	1.05	.89	.13387
	no	36	1.14	.83	.13889
Standard4	yes	44	2.05	.99	.14883
	no	36	2.03	1.11	.18468
Standard5	yes	44	2.09	1.18	.17754
	no	36	2.19	1.21	.20244
Standard6	yes	44	1.75	1.40	.21102
	no	36	1.67	1.39	.23231
Standard7	yes	44	2.48	1.07	.16089
	no	36	2.67	1.07	.17817
Standard8	yes	44	1.84	.96	.14519
	no	36	1.81	1.01	.16818
Standard9	yes	44	1.93	.95	.14320
	no	36	2.25	1.23	.20461

Appendix 3D

Table 2: *Independent Samples Test Group Results- Total Questionnaire Score in Each Standard according to Professional Development Training in Assessment and Testing*

Independent Samples Test										
		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	
									Lower	Upper
Overall	Equal variances assumed	2.883	.094	-.291	78	.771	-.38139	1.30852	-2.98646	2.22368
	Equal variances not assumed			-.315	48.645	.754	-.38139	1.20976	-2.81293	2.05016
Standard1	Equal variances assumed	.420	.519	-.822	78	.413	-.22578	.27457	-.77241	.32085
	Equal variances not assumed			-.891	48.886	.377	-.22578	.25332	-.73488	.28332
Standard2	Equal variances assumed	.859	.357	.722	78	.472	.14569	.20177	-.25601	.54739
	Equal variances not assumed			.774	47.674	.443	.14569	.18813	-.23263	.52401
Standard3	Equal variances assumed	.092	.763	-1.148	78	.254	-.24333	.21194	-.66527	.17862
	Equal variances not assumed			-1.187	43.834	.241	-.24333	.20492	-.65636	.16971
Standard4	Equal variances assumed	.004	.953	.442	78	.660	.11365	.25738	-.39875	.62606
	Equal variances not assumed			.436	39.617	.665	.11365	.26083	-.41365	.64096
Standard5	Equal variances assumed	.023	.879	1.075	78	.286	.31503	.29317	-.26863	.89868
	Equal variances not assumed			1.087	41.731	.283	.31503	.28986	-.27005	.90010

Standard6	Equal variances assumed	.039	.844	.245	78	.807	.08467	.34515	-.60247	.77180
	Equal variances not assumed			.245	40.570	.808	.08467	.34580	-.61390	.78324
Standard7	Equal variances assumed	2.289	.134	-.941	78	.350	-.24790	.26340	-.77228	.27648
	Equal variances not assumed			- 1.025	49.508	.310	-.24790	.24174	-.73357	.23777
Standard8	Equal variances assumed	.000	.994	.245	78	.807	.05950	.24302	-.42432	.54332
	Equal variances not assumed			.250	42.505	.804	.05950	.23826	-.42115	.54015
Standard9	Equal variances assumed	3.199	.078	- 1.434	78	.156	-.38291	.26703	-.91454	.14871
	Equal variances not assumed			- 1.297	33.634	.203	-.38291	.29516	-.98300	.21717

Appendix 3E

Table 1: One-way Anova- Total Questionnaire Score in Each Standard according to Academic Level of Achievement

One-way

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Overall	BA	21	15.10	6.16	1.34325	12.2933	17.8972	5.00	24.00
	MA	45	17.60	4.54	.67749	16.2346	18.9654	7.00	26.00
	PhD	14	19.36	5.26	1.40489	16.3221	22.3922	9.00	27.00
	Total	80	17.25	5.27	.58879	16.0780	18.4220	5.00	27.00
Standard1	BA	21	1.62	1.20	.26255	1.0714	2.1667	.00	4.00
	MA	45	2.29	1.06	.15771	1.9711	2.6067	.00	4.00
	PhD	14	2.21	.97	.26057	1.6514	2.7772	.00	4.00
	Total	80	2.10	1.11	.12402	1.8532	2.3468	.00	4.00
Standard2	BA	21	1.76	.89	.19401	1.3572	2.1666	.00	3.00
	MA	45	1.62	.78	.11586	1.3887	1.8557	.00	3.00
	PhD	14	1.93	.83	.22149	1.4501	2.4071	1.00	3.00
	Total	80	1.71	.81	.09104	1.5313	1.8937	.00	3.00
Standard3	BA	21	1.19	.87	.19048	.7931	1.5878	.00	3.00
	MA	45	.98	.81	.12098	.7340	1.2216	.00	3.00
	PhD	14	1.29	.99	.26579	.7115	1.8599	.00	3.00
	Total	80	1.09	.86	.09612	.8962	1.2788	.00	3.00
Standard4	BA	21	1.71	.96	.20866	1.2790	2.1495	.00	4.00
	MA	45	2.09	1.02	.15183	1.7829	2.3949	.00	4.00
	PhD	14	2.36	1.15	.30755	1.6927	3.0216	1.00	4.00
	Total	80	2.04	1.04	.11589	1.8068	2.2682	.00	4.00
Standard5	BA	21	1.62	1.20	.26255	1.0714	2.1667	.00	4.00
	MA	45	2.20	1.14	.16997	1.8575	2.5425	.00	4.00
	PhD	14	2.71	1.07	.28571	2.0970	3.3315	1.00	4.00

	Total	80	2.14	1.19	.13282	1.8731	2.4019	.00	4.00
Standard6	BA	21	1.33	1.35	.29547	.7170	1.9497	.00	4.00
	MA	45	1.82	1.40	.20911	1.4008	2.2437	.00	4.00
	PhD	14	1.93	1.38	.37009	1.1290	2.7281	.00	4.00
	Total	80	1.71	1.39	.15528	1.4034	2.0216	.00	4.00
Standard7	BA	21	2.29	1.06	.23035	1.8052	2.7662	.00	4.00
	MA	45	2.64	1.09	.16254	2.3169	2.9720	.00	4.00
	PhD	14	2.71	.99	.26579	2.1401	3.2885	1.00	4.00
	Total	80	2.56	1.07	.11913	2.3254	2.7996	.00	4.00
Standard8	BA	21	1.67	1.11	.24234	1.1611	2.1722	.00	4.00
	MA	45	1.84	.90	.13467	1.5730	2.1159	.00	4.00
	PhD	14	2.00	1.04	.27735	1.4008	2.5992	.00	4.00
	Total	80	1.83	.98	.10933	1.6074	2.0426	.00	4.00
Standard9	BA	21	1.90	1.09	.23810	1.4081	2.4014	.00	4.00
	MA	45	2.11	1.11	.16582	1.7769	2.4453	.00	4.00
	PhD	14	2.21	1.05	.28087	1.6075	2.8211	1.00	4.00
	Total	80	2.08	1.09	.12166	1.8328	2.3172	.00	4.00

Appendix 3F

Table 2: One-way Anova Statistical Significance Comparison Related to Each Standard as per Academic Achievement

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Overall	Between Groups	165.176	2	82.588	3.139	.049
	Within Groups	2025.824	77	26.309		
	Total	2191.000	79			
Standard1	Between Groups	6.646	2	3.323	2.826	.065
	Within Groups	90.554	77	1.176		
	Total	97.200	79			
Standard2	Between Groups	1.072	2	.536	.804	.451
	Within Groups	51.316	77	.666		
	Total	52.388	79			
Standard3	Between Groups	1.314	2	.657	.887	.416
	Within Groups	57.073	77	.741		
	Total	58.388	79			
Standard4	Between Groups	3.743	2	1.872	1.776	.176
	Within Groups	81.144	77	1.054		
	Total	84.888	79			
Standard5	Between Groups	10.478	2	5.239	3.994	.022
	Within Groups	101.010	77	1.312		
	Total	111.488	79			
Standard6	Between Groups	4.214	2	2.107	1.095	.340

	Within Groups	148.173	77	1.924		
	Total	152.388	79			
Standard7	Between Groups	2.234	2	1.117	.983	.379
	Within Groups	87.454	77	1.136		
	Total	89.688	79			
Standard8	Between Groups	.972	2	.486	.502	.607
	Within Groups	74.578	77	.969		
	Total	75.550	79			
Standard9	Between Groups	.939	2	.469	.390	.678
	Within Groups	92.611	77	1.203		
	Total	93.550	79			

Appendix 3G

Table 3: One-way Anova Statistical Significance Comparison Related to Standard 5 as per Academic Achievement

One-way

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Overall	Between Groups	165.176	2	82.588	3.139	.049
	Within Groups	2025.824	77	26.309		
	Total	2191.000	79			
Standard5	Between Groups	10.478	2	5.239	3.994	.022
	Within Groups	101.010	77	1.312		
	Total	111.488	79			

Appendix 3H

Table 4: Post Hoc Test- Statistical Significance Comparison Related to Standard 5

Post Hoc Tests

Multiple Comparisons

LSD							
Dependent Variable	(I) education	(J) education	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Overall	BA	MA	-2.50476	1.35554	.068	-5.2040	.1945
		PhD	-4.26190*	1.76977	.018	-7.7860	-.7379
	MA	BA	2.50476	1.35554	.068	-.1945	5.2040
		PhD	-1.75714	1.56968	.266	-4.8828	1.3685

Standard5	PhD	BA	4.26190*	1.76977	.018	.7379	7.7860
		MA	1.75714	1.56968	.266	-1.3685	4.8828
	BA	MA	-.58095	.30269	.059	-1.1837	.0218
		PhD	-1.09524*	.39518	.007	-1.8821	-.3083
	MA	BA	.58095	.30269	.059	-.0218	1.1837
		PhD	-.51429	.35050	.146	-1.2122	.1837
	PhD	BA	1.09524*	.39518	.007	.3083	1.8821
		MA	.51429	.35050	.146	-.1837	1.2122

*. The mean difference is significant at the 0.05 level.

Appendix 3I

Table 1

One-way Anova- Total Questionnaire Score in Each Standard according to Years of Teaching Experience Groups

One-way

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Overall	0-5 years	11	14.91	5.01	1.51030	11.5439	18.2742	7.00	23.00
	6-10 years	14	15.43	5.32	1.42086	12.3590	18.4981	6.00	24.00
	11-15 years	15	18.40	3.81	.98464	16.2881	20.5119	13.00	27.00
	16-20 years	40	18.10	5.58	.88201	16.3160	19.8840	5.00	27.00
	Total	80	17.25	5.27	.58879	16.0780	18.4220	5.00	27.00
Standard1	0-5 years	11	1.73	1.01	.30424	1.0494	2.4052	1.00	4.00
	6-10 years	14	1.71	1.33	.35438	.9487	2.4799	.00	4.00
	11-15 years	15	2.20	.77	.20000	1.7710	2.6290	.00	3.00
	16-20 years	40	2.30	1.14	.17974	1.9364	2.6636	.00	4.00
	Total	80	2.10	1.11	.12402	1.8532	2.3468	.00	4.00
Standard2	0-5 years	11	1.45	1.13	.34015	.6966	2.2124	.00	3.00
	6-10 years	14	1.57	.65	.17271	1.1983	1.9445	1.00	3.00
	11-15 years	15	2.07	.70	.18170	1.6770	2.4564	1.00	3.00
	16-20 years	40	1.70	.79	.12506	1.4470	1.9530	.00	3.00
	Total	80	1.71	.81	.09104	1.5313	1.8937	.00	3.00
Standard3	0-5 years	11	1.36	1.03	.30963	.6737	2.0535	.00	3.00
	6-10 years	14	1.07	.73	.19511	.6499	1.4929	.00	2.00

	11-15 years	15	1.20	.86	.22254	.7227	1.6773	.00	3.00
	16-20 years	40	.98	.86	.13629	.6993	1.2507	.00	3.00
	Total	80	1.09	.86	.09612	.8962	1.2788	.00	3.00
Standard4	0-5 years	11	1.36	.92	.27872	.7426	1.9847	.00	3.00
	6-10 years	14	2.07	.92	.24505	1.5420	2.6008	1.00	4.00
	11-15 years	15	2.13	.99	.25573	1.5849	2.6818	.00	4.00
	16-20 years	40	2.18	1.08	.17130	1.8285	2.5215	.00	4.00
	Total	80	2.04	1.04	.11589	1.8068	2.2682	.00	4.00
Standard5	0-5 years	11	1.64	1.03	.30963	.9465	2.3263	.00	3.00
	6-10 years	14	1.86	1.29	.34541	1.1109	2.6034	.00	4.00
	11-15 years	15	2.27	.80	.20625	1.8243	2.7090	1.00	3.00
	16-20 years	40	2.33	1.29	.20377	1.9128	2.7372	.00	4.00
	Total	80	2.14	1.19	.13282	1.8731	2.4019	.00	4.00
Standard6	0-5 years	11	1.18	1.17	.35209	.3973	1.9663	.00	4.00
	6-10 years	14	1.07	.92	.24505	.5420	1.6008	.00	3.00
	11-15 years	15	1.80	1.47	.38048	.9840	2.6160	.00	4.00
	16-20 years	40	2.05	1.47	.23191	1.5809	2.5191	.00	4.00
	Total	80	1.71	1.39	.15528	1.4034	2.0216	.00	4.00
Standard7	0-5 years	11	2.36	1.29	.38783	1.4995	3.2278	.00	4.00
	6-10 years	14	2.36	1.15	.30755	1.6927	3.0216	.00	4.00
	11-15 years	15	2.67	.98	.25198	2.1262	3.2071	1.00	4.00
	16-20 years	40	2.65	1.03	.16231	2.3217	2.9783	1.00	4.00
	Total	80	2.56	1.07	.11913	2.3254	2.7996	.00	4.00
Standard8	0-5 years	11	1.91	.94	.28459	1.2750	2.5432	1.00	4.00
	6-10 years	14	1.64	1.01	.26945	1.0607	2.2250	.00	3.00
	11-15 years	15	1.93	1.22	.31573	1.2562	2.6105	.00	4.00
	16-20 years	40	1.83	.90	.14272	1.5363	2.1137	.00	4.00
	Total	80	1.83	.98	.10933	1.6074	2.0426	.00	4.00
Standard9	0-5 years	11	1.91	1.45	.43598	.9377	2.8805	.00	4.00
	6-10 years	14	2.07	1.21	.32250	1.3747	2.7681	.00	4.00
	11-15 years	15	2.13	.92	.23637	1.6264	2.6403	1.00	4.00
	16-20 years	40	2.10	1.03	.16330	1.7697	2.4303	.00	4.00
	Total	80	2.08	1.09	.12166	1.8328	2.3172	.00	4.00

Appendix 3J

Table 2: *One-way Anova- Statistical Significance of Comparison Related to Each Standard as per Years of Teaching Experience*

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Overall	Between Groups	155.462	3	51.821	1.935	.131
	Within Groups	2035.538	76	26.783		
	Total	2191.000	79			
Standard1	Between Groups	5.361	3	1.787	1.479	.227
	Within Groups	91.839	76	1.208		
	Total	97.200	79			
Standard2	Between Groups	2.898	3	.966	1.484	.226
	Within Groups	49.489	76	.651		
	Total	52.388	79			
Standard3	Between Groups	1.538	3	.513	.686	.564
	Within Groups	56.849	76	.748		
	Total	58.388	79			
Standard4	Between Groups	5.905	3	1.968	1.894	.138
	Within Groups	78.982	76	1.039		
	Total	84.888	79			
Standard5	Between Groups	5.519	3	1.840	1.320	.274
	Within Groups	105.968	76	1.394		
	Total	111.488	79			
Standard6	Between Groups	13.523	3	4.508	2.467	.069
	Within Groups	138.865	76	1.827		
	Total	152.388	79			
Standard7	Between Groups	1.494	3	.498	.429	.733
	Within Groups	88.193	76	1.160		
	Total	89.688	79			
Standard8	Between Groups	.718	3	.239	.243	.866
	Within Groups	74.832	76	.985		
	Total	75.550	79			
Standard9	Between Groups	.379	3	.126	.103	.958
	Within Groups	93.171	76	1.226		
	Total	93.550	79			

Appendix 3K

Table 3: One-way Anova- Statistical Significance of Comparison Related to Standard 6 as per Years of Teaching Experience

One-way

ANOVA

Standard6					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	13.523	3	4.508	2.467	.069
Within Groups	138.865	76	1.827		
Total	152.388	79			

Appendix 3L

Table 4: Post Hoc Test- Statistical Significance Multiple Comparisons as per Years of Teaching Experience

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Standard6						
LSD						
(I) Teaching experience	(J) Teaching experience	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0-5 years	6-10 years	.11039	.54463	.840	-.9743	1.1951
	11-15 years	-.61818	.53658	.253	-1.6869	.4505
	16-20 years	-.86818	.46020	.063	-1.7848	.0484
6-10 years	0-5 years	-.11039	.54463	.840	-1.1951	.9743
	11-15 years	-.72857	.50232	.151	-1.7290	.2719
	16-20 years	-.97857*	.41975	.022	-1.8146	-.1426
11-15 years	0-5 years	.61818	.53658	.253	-.4505	1.6869
	6-10 years	.72857	.50232	.151	-.2719	1.7290
	16-20 years	-.25000	.40926	.543	-1.0651	.5651

16-20 years	0-5 years	.86818	.46020	.063	-.0484	1.7848
	6-10 years	.97857*	.41975	.022	.1426	1.8146
	11-15 years	.25000	.40926	.543	-.5651	1.0651
*. The mean difference is significant at the 0.05 level.						