

Addendum 5.4 Analysis of Spearman rank-order data

Spearman's rank-order correlations ($r_s \geq 0.5$) among the factors in the statistical constructs interactivity (Table 5.8) and infrastructure (Table 5.9) identified through factor analysis

Factors	Infrastructure for student support	Infrastructure and technology	Barriers to infrastructure	Innovation for infrastructure	Infrastructure for programme delivery	Infrastructural options	Infrastructure for motivation
Characteristics of interactivity	0.53	0.37	0.13	0.59	0.52	0.31	0.32
Barriers to interactivity			0.49	0.08			
Support for interactivity	0.54	0.33	0.14	0.50	0.48	0.27	0.21
Ubiquitous interactivity	0.17	0.37		0.16	0.20	0.26	0.14
Face-to-face interactivity	0.43	0.22	0.18	0.38	0.39	0.19	0.19
Flexibility of interactivity	0.41	0.31	0.11	0.45	0.37	0.25	0.23

Spearman's rank-order correlations ($r_s \geq 0.5$) among the factors in the statistical constructs interactivity (Table 5.8) and TEL (Table 5.7) identified through factor analysis

Factors	TEL support	TEL devices	Assessment with TEL	Feedback with TEL	Interaction with TEL	Possibilities of TEL	TEL content	Advantages of TEL	Flexibility with TEL	TEL options
Characteristics of interactivity	0.48	0.33	0.37	0.37	0.25	0.38	0.55	0.48	0.54	0.27
Barriers to interactivity			0.16		0.17		-0.10		-0.10	
Support for interactivity	0.47	0.42	0.33	0.34	0.31	0.38	0.40	0.44	0.40	0.27
Ubiquitous interactivity	0.19	0.10	0.21	0.12	0.12	0.29	0.37	0.21	0.24	0.19
Face-to-face interactivity	0.37	0.33	0.42	0.34	0.45	0.27	0.33	0.38	0.32	0.27
Flexibility of interactivity	0.40	0.26	0.30	0.32	0.23	0.31	0.39	0.32	0.43	0.19

Spearman's rank-order correlations ($r_s \geq 0.5$) among the factors in the statistical constructs interactivity (Table 5.8) and flexibility (Table 5.6) through factor analysis

Factors	Flexible support	Flexible contact	Flexible content	Flexible access	Vehicles for flexibility	Flexible technology use	Barriers to flexibility
Characteristics of interactivity	0.44	0.21	0.16	0.10	0.21	0.20	
Barriers to interactivity			0.15			0.12	0.11
Support for interactivity	0.40	0.26	0.22	0.19	0.19	0.15	
Ubiquitous interactivity	0.20		0.08	0.22	0.30		-0.08
Face-to-face interactivity	0.34	0.19	0.20	0.09	0.15	0.23	
Flexibility of interactivity	0.34	0.12	0.08	0.14	0.13	0.08	

Spearman's rank-order correlations ($r_s \geq 0.5$) among the factors in the statistical constructs infrastructure (Table 5.9) and flexibility (Table 5.6) through factor analysis

Factors	Flexible support	Flexible contact	Flexible content	Flexible access	Vehicles for flexibility	Flexible technology use	Barriers to flexibility
Infrastructure for student support	0.45	0.28	0.15	0.12	0.13	0.17	
Infrastructure & technology	0.32		0.08	0.22	0.30		-0.09
Barriers to infrastructure		0.09				0.10	
Innovation for infrastructure	0.30	0.16	0.16	0.09	0.10	0.15	
Infrastructure for programme delivery	0.44	0.33	0.20	0.11	0.22	0.15	
Infrastructural options	0.25	0.11	0.09	0.11	0.31		

Spearman's rank-order correlations ($r_s \geq 0.5$) among the factors in the statistical constructs TEL (Table 5.7) and flexibility (Table 5.6) through factor analysis

Factors	Flexible support	Flexible contact	Flexibe content	Flexible access	Vehicles for flexibility	Flexible technology use	Barriers to flexibility
TEL support	0.45	0.29	0.16	0.08	0.14	.20	
TEL devices	0.37	0.50	0.17	0.15	0.15	0.24	
Assessment with TEL	0.28	0.13	0.14	0.17	0.13	0.25	
Feedback with TEL	0.56	0.23	0.16	0.08	0.14	0.15	
Interaction with TEL	0.19	0.12		0.10	0.19	0.10	
Possibilities of TEL	0.31	0.14		0.26	0.16		
TEL content	0.46	0.08	0.16	0.15	0.31	0.17	-.08
Advantages of TEL	0.38	0.33	0.13	0.13	0.18	0.25	
Flexibility with TEL	0.39	0.15	0.19	0.13	0.14	0.15	
TEL options	0.18	0.08			0.14	0.09	

Spearman's rank-order correlations ($r_s \geq 0.5$) among the factors in the statistical constructs infrastructure (Table 5.9) and TEL (Table 5.7) through factor analysis

Factors	TEL support	TEL devices	Assessment with TEL	Feedback with TEL	Interaction with TEL	Possibilities of TEL	TEL content	Advantages of TEL	Flexibility with TEL	TEL options
Infrastructure for student support	0.50	0.46	0.27	0.41	0.23	0.35	0.39	0.48	0.45	0.26
Infrastructure & technology	0.25	0.16	0.14	0.16	0.15	0.34	0.48	0.24	0.36	0.17
Barriers to infrastructure		0.09	0.16	0.11	0.12					
Innovation for infrastructure	0.40	0.25	0.26	0.26	0.19	0.28	0.37	0.37	0.41	0.17
Infrastructure for programme delivery	0.42	0.36	0.26	0.33	0.20	0.34	0.39	0.42	0.38	0.21
Infrastructural options	0.23	0.16	0.09	0.13	0.08	0.29	0.38	0.23	0.29	0.12
Infrastructure for motivation	0.20	0.12	0.16	0.17	0.10	0.25	0.33	0.25	0.36	0.13