

Uses models:	Yes
Uses documents:	Yes
Emulates:	Responsiveness

	Initial summaries				Update summaries			
	Pyramid		Responsiveness		Pyramid		Responsiveness	
	value	p (95% CI)	value	p (95% CI)	value	p (95% CI)	value	p (95% CI)
Pearson	0.835	0.000 (0.726 - 0.903)	0.857	0.000 (0.761 - 0.916)	0.704	0.000 (0.532 - 0.821)	0.716	0.000 (0.548 - 0.828)
Spearman	0.914	0.000	0.890	0.000	0.853	0.000	0.864	0.000
Kendall	0.752	0.000	0.717	0.000	0.659	0.000	0.696	0.000

Table 1: Correlations for CIST1, initial and update summaries, all peers.

	Initial summaries				Update summaries			
	Pyramid		Responsiveness		Pyramid		Responsiveness	
	value	p (95% CI)	value	p (95% CI)	value	p (95% CI)	value	p (95% CI)
Pearson	0.688	0.000 (0.488 - 0.819)	0.666	0.000 (0.457 - 0.805)	0.655	0.000 (0.441 - 0.798)	0.648	0.000 (0.432 - 0.794)
Spearman	0.483	0.001	0.504	0.001	0.481	0.001	0.455	0.002
Kendall	0.340	0.001	0.347	0.001	0.343	0.001	0.321	0.003

Table 2: Correlations for CIST1, initial and update summaries, no models.

		A>B	A=B	A<B
CIST1	A>B	344	0	
	A=B	0	0	
	A>B			0

Table 3: Discriminative power for CIST1 compared with Pyramid. Initial summaries, models vs. non-models.

		A>B	A=B	A<B
CIST1	A>B	341	0	
	A=B	3	0	
	A>B			0

Table 4: Discriminative power for CIST1 compared with Pyramid. Update summaries, models vs. non-models.

		A>B	A=B	A<B
CIST1	A>B	344	0	
	A=B	0	0	
	A>B			0

Table 5: Discriminative power for CIST1 compared with Responsiveness. Initial summaries, models vs. non-models.

		A>B	A=B	A<B
CIST1	A>B	341	0	
	A=B	3	0	
	A>B			0

Table 6: Discriminative power for CIST1 compared with Responsiveness. Update summaries, models vs. non-models.

		A>B	A=B	A<B
CIST1	A>B	79	8	
	A=B	239	577	
	A>B			0

Table 7: Discriminative power for CIST1 compared with Pyramid. Initial summaries, non-model summaries.

		A>B	A=B	A<B
CIST1	A>B	83	11	
	A=B	144	665	
	A>B			0

Table 8: Discriminative power for CIST1 compared with Pyramid. Update summaries, non-model summaries.

		A>B	A=B	A<B
CIST1	A>B	73	14	
	A=B	221	595	
	A>B			0

Table 9: Discriminative power for CIST1 compared with Responsiveness. Initial summaries, non-model summaries.

		A>B	A=B	A<B
CIST1	A>B	81	13	
	A=B	127	682	
	A>B			0

Table 10: Discriminative power for CIST1 compared with Responsiveness. Update summaries, non-model summaries.

Uses models:	Yes
Uses documents:	Yes
Emulates:	Responsiveness

	Initial summaries				Update summaries			
	Pyramid		Responsiveness		Pyramid		Responsiveness	
	value	p (95% CI)	value	p (95% CI)	value	p (95% CI)	value	p (95% CI)
Pearson	0.820	0.000 (0.703 - 0.893)	0.841	0.000 (0.736 - 0.907)	0.693	0.000 (0.516 - 0.813)	0.704	0.000 (0.531 - 0.820)
Spearman	0.897	0.000	0.883	0.000	0.849	0.000	0.854	0.000
Kendall	0.719	0.000	0.706	0.000	0.653	0.000	0.670	0.000

Table 1: Correlations for CIST2, initial and update summaries, all peers.

	Initial summaries				Update summaries			
	Pyramid		Responsiveness		Pyramid		Responsiveness	
	value	p (95% CI)	value	p (95% CI)	value	p (95% CI)	value	p (95% CI)
Pearson	0.786	0.000 (0.636 - 0.879)	0.763	0.000 (0.600 - 0.865)	0.723	0.000 (0.540 - 0.841)	0.715	0.000 (0.528 - 0.836)
Spearman	0.672	0.000	0.661	0.000	0.674	0.000	0.662	0.000
Kendall	0.487	0.000	0.491	0.000	0.485	0.000	0.486	0.000

Table 2: Correlations for CIST2, initial and update summaries, no models.

		A>B	A=B	A<B
CIST2	A>B	344	0	
	A=B	0	0	
	A>B			0

Table 3: Discriminative power for CIST2 compared with Pyramid. Initial summaries, models vs. non-models.

		A>B	A=B	A<B
CIST2	A>B	344	0	
	A=B	0	0	
	A>B			0

Table 4: Discriminative power for CIST2 compared with Pyramid. Update summaries, models vs. non-models.

		A>B	A=B	A<B
CIST2	A>B	344	0	
	A=B	0	0	
	A>B			0

Table 5: Discriminative power for CIST2 compared with Responsiveness. Initial summaries, models vs. non-models.

		A>B	A=B	A<B
CIST2	A>B	344	0	
	A=B	0	0	
	A>B			0

Table 6: Discriminative power for CIST2 compared with Responsiveness. Update summaries, models vs. non-models.

		A>B	A=B	A<B
CIST2	A>B	118	16	
	A=B	200	569	
	A>B			0

Table 7: Discriminative power for CIST2 compared with Pyramid. Initial summaries, non-model summaries.

		A>B	A=B	A<B
CIST2	A>B	76	6	
	A=B	151	670	
	A>B			0

Table 8: Discriminative power for CIST2 compared with Pyramid. Update summaries, non-model summaries.

		A>B	A=B	A<B
CIST2	A>B	109	25	
	A=B	185	584	
	A>B			0

Table 9: Discriminative power for CIST2 compared with Responsiveness. Initial summaries, non-model summaries.

		A>B	A=B	A<B
CIST2	A>B	75	7	
	A=B	133	688	
	A>B			0

Table 10: Discriminative power for CIST2 compared with Responsiveness. Update summaries, non-model summaries.

Uses models:	Yes
Uses documents:	Yes
Emulates:	Responsiveness

	Initial summaries				Update summaries			
	Pyramid		Responsiveness		Pyramid		Responsiveness	
	value	p (95% CI)	value	p (95% CI)	value	p (95% CI)	value	p (95% CI)
Pearson	0.595	0.000 (0.382 - 0.748)	0.652	0.000 (0.459 - 0.786)	0.464	0.001 (0.215 - 0.655)	0.495	0.000 (0.254 - 0.678)
Spearman	0.698	0.000	0.675	0.000	0.631	0.000	0.645	0.000
Kendall	0.520	0.000	0.512	0.000	0.459	0.000	0.478	0.000

Table 1: Correlations for CIST3, initial and update summaries, all peers.

	Initial summaries				Update summaries			
	Pyramid		Responsiveness		Pyramid		Responsiveness	
	value	p (95% CI)	value	p (95% CI)	value	p (95% CI)	value	p (95% CI)
Pearson	0.725	0.000 (0.543 - 0.842)	0.696	0.000 (0.500 - 0.824)	0.674	0.000 (0.469 - 0.811)	0.663	0.000 (0.453 - 0.803)
Spearman	0.590	0.000	0.575	0.000	0.663	0.000	0.637	0.000
Kendall	0.422	0.000	0.419	0.000	0.474	0.000	0.470	0.000

Table 2: Correlations for CIST3, initial and update summaries, no models.

		A>B	A=B	A<B
CIST3	A>B	89	0	
	A=B	255	0	
	A>B			0

Table 3: Discriminative power for CIST3 compared with Pyramid. Initial summaries, models vs. non-models.

		A>B	A=B	A<B
CIST3	A>B	65	0	
	A=B	277	0	
	A>B			2

Table 4: Discriminative power for CIST3 compared with Pyramid. Update summaries, models vs. non-models.

		A>B	A=B	A<B
CIST3	A>B	89	0	
	A=B	255	0	
	A>B			0

Table 5: Discriminative power for CIST3 compared with Responsiveness. Initial summaries, models vs. non-models.

		A>B	A=B	A<B
CIST3	A>B	65	0	
	A=B	277	0	
	A>B			2

Table 6: Discriminative power for CIST3 compared with Responsiveness. Update summaries, models vs. non-models.

		A>B	A=B	A<B
CIST3	A>B	122	27	
	A=B	196	558	
	A>B			0

Table 7: Discriminative power for CIST3 compared with Pyramid. Initial summaries, non-model summaries.

		A>B	A=B	A<B
CIST3	A>B	76	9	
	A=B	151	667	
	A>B			0

Table 8: Discriminative power for CIST3 compared with Pyramid. Update summaries, non-model summaries.

		A>B	A=B	A<B
CIST3	A>B	112	37	
	A=B	182	572	
	A>B			0

Table 9: Discriminative power for CIST3 compared with Responsiveness. Initial summaries, non-model summaries.

		A>B	A=B	A<B
CIST3	A>B	75	10	
	A=B	133	685	
	A>B			0

Table 10: Discriminative power for CIST3 compared with Responsiveness. Update summaries, non-model summaries.

Uses models:	Yes
Uses documents:	Yes
Emulates:	Responsiveness

	Initial summaries				Update summaries			
	Pyramid		Responsiveness		Pyramid		Responsiveness	
	value	p (95% CI)	value	p (95% CI)	value	p (95% CI)	value	p (95% CI)
Pearson	0.583	0.000 (0.367 - 0.740)	0.641	0.000 (0.443 - 0.779)	0.452	0.001 (0.202 - 0.647)	0.483	0.000 (0.239 - 0.669)
Spearman	0.675	0.000	0.659	0.000	0.623	0.000	0.636	0.000
Kendall	0.496	0.000	0.488	0.000	0.442	0.000	0.461	0.000

Table 1: Correlations for CIST4, initial and update summaries, all peers.

	Initial summaries				Update summaries			
	Pyramid		Responsiveness		Pyramid		Responsiveness	
	value	p (95% CI)	value	p (95% CI)	value	p (95% CI)	value	p (95% CI)
Pearson	0.725	0.000 (0.543 - 0.842)	0.697	0.000 (0.501 - 0.824)	0.676	0.000 (0.471 - 0.811)	0.665	0.000 (0.456 - 0.805)
Spearman	0.570	0.000	0.557	0.000	0.686	0.000	0.664	0.000
Kendall	0.416	0.000	0.410	0.000	0.490	0.000	0.491	0.000

Table 2: Correlations for CIST4, initial and update summaries, no models.

		A>B	A=B	A<B
CIST4	A>B	88	0	
	A=B	256	0	
	A>B			0

Table 3: Discriminative power for CIST4 compared with Pyramid. Initial summaries, models vs. non-models.

		A>B	A=B	A<B
CIST4	A>B	61	0	
	A=B	280	0	
	A>B			3

Table 4: Discriminative power for CIST4 compared with Pyramid. Update summaries, models vs. non-models.

		A>B	A=B	A<B
CIST4	A>B	88	0	
	A=B	256	0	
	A>B			0

Table 5: Discriminative power for CIST4 compared with Responsiveness. Initial summaries, models vs. non-models.

		A>B	A=B	A<B
CIST4	A>B	61	0	
	A=B	280	0	
	A>B			3

Table 6: Discriminative power for CIST4 compared with Responsiveness. Update summaries, models vs. non-models.

		A>B	A=B	A<B
CIST4	A>B	122	23	
	A=B	196	562	
	A>B			0

Table 7: Discriminative power for CIST4 compared with Pyramid. Initial summaries, non-model summaries.

		A>B	A=B	A<B
CIST4	A>B	78	8	
	A=B	149	668	
	A>B			0

Table 8: Discriminative power for CIST4 compared with Pyramid. Update summaries, non-model summaries.

		A>B	A=B	A<B
CIST4	A>B	112	33	
	A=B	182	576	
	A>B			0

Table 9: Discriminative power for CIST4 compared with Responsiveness. Initial summaries, non-model summaries.

		A>B	A=B	A<B
CIST4	A>B	76	10	
	A=B	132	685	
	A>B			0

Table 10: Discriminative power for CIST4 compared with Responsiveness. Update summaries, non-model summaries.