

Uses models:	Yes
Uses documents:	No
Emulates:	Pyramid and 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	0.911	0.000 (0.849 - 0.949)	0.908	0.000 (0.844 - 0.947)	0.821	0.000 (0.706 - 0.895)	0.797	0.000 (0.668 - 0.879)
Spearman	0.895	0.000	0.879	0.000	0.875	0.000	0.835	0.000
Kendall	0.762	0.000	0.759	0.000	0.747	0.000	0.693	0.000

Table 1: Correlations for PolyU1, 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	0.892	0.000 (0.809 - 0.941)	0.848	0.000 (0.735 - 0.915)	0.865	0.000 (0.763 - 0.925)	0.820	0.000 (0.690 - 0.899)
Spearman	0.821	0.000	0.798	0.000	0.809	0.000	0.746	0.000
Kendall	0.680	0.000	0.677	0.000	0.665	0.000	0.613	0.000

Table 2: Correlations for PolyU1, initial and update summaries, no models.

		A>B	A=B	A<B
PolyU1	A>B	328	0	
	A=B	16	0	
	A>B			0

Table 3: Discriminative power for PolyU1 compared with Pyramid. Initial summaries, models vs. non-models.

		A>B	A=B	A<B
PolyU1	A>B	274	0	
	A=B	70	0	
	A>B			0

Table 4: Discriminative power for PolyU1 compared with Pyramid. Update summaries, models vs. non-models.

		A>B	A=B	A<B
PolyU1	A>B	328	0	
	A=B	16	0	
	A>B			0

Table 5: Discriminative power for PolyU1 compared with Responsiveness. Initial summaries, models vs. non-models.

		A>B	A=B	A<B
PolyU1	A>B	274	0	
	A=B	70	0	
	A>B			0

Table 6: Discriminative power for PolyU1 compared with Responsiveness. Update summaries, models vs. non-models.

		A>B	A=B	A<B
PolyU1	A>B	279	102	
	A=B	39	483	
	A>B			0

Table 7: Discriminative power for PolyU1 compared with Pyramid. Initial summaries, non-model summaries.

		A>B	A=B	A<B
PolyU1	A>B	197	138	
	A=B	30	538	
	A>B			0

Table 8: Discriminative power for PolyU1 compared with Pyramid. Update summaries, non-model summaries.

		A>B	A=B	A<B
PolyU1	A>B	257	123	
	A=B	36	486	
	A>B			1

Table 9: Discriminative power for PolyU1 compared with Responsiveness. Initial summaries, non-model summaries.

		A>B	A=B	A<B
PolyU1	A>B	178	155	
	A=B	28	540	
	A>B			2

Table 10: Discriminative power for PolyU1 compared with Responsiveness. Update summaries, non-model summaries.

Uses models:	Yes
Uses documents:	Yes
Emulates:	Pyramid and 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	0.846	0.000 (0.744 - 0.910)	0.856	0.000 (0.760 - 0.916)	0.717	0.000 (0.551 - 0.829)	0.687	0.000 (0.507 - 0.809)
Spearman	0.900	0.000	0.890	0.000	0.854	0.000	0.802	0.000
Kendall	0.767	0.000	0.782	0.000	0.726	0.000	0.666	0.000

Table 1: Correlations for PolyU2, 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	0.917	0.000 (0.852 - 0.955)	0.881	0.000 (0.790 - 0.934)	0.897	0.000 (0.817 - 0.943)	0.850	0.000 (0.739 - 0.917)
Spearman	0.843	0.000	0.830	0.000	0.822	0.000	0.764	0.000
Kendall	0.697	0.000	0.726	0.000	0.684	0.000	0.632	0.000

Table 2: Correlations for PolyU2, initial and update summaries, no models.

	A>B	A=B	A<B
PolyU2	212	0	0
	A=B	132	0
	A>B		0

Table 3: Discriminative power for PolyU2 compared with Pyramid. Initial summaries, models vs. non-models.

	A>B	A=B	A<B
PolyU2	149	0	0
	A=B	195	0
	A>B		0

Table 4: Discriminative power for PolyU2 compared with Pyramid. Update summaries, models vs. non-models.

	A>B	A=B	A<B
PolyU2	212	0	0
	A=B	132	0
	A>B		0

Table 5: Discriminative power for PolyU2 compared with Responsiveness. Initial summaries, models vs. non-models.

	A>B	A=B	A<B
PolyU2	149	0	0
	A=B	195	0
	A>B		0

Table 6: Discriminative power for PolyU2 compared with Responsiveness. Update summaries, models vs. non-models.

	A>B	A=B	A<B
PolyU2	270	80	0
	A=B	48	505
	A>B		0

Table 7: Discriminative power for PolyU2 compared with Pyramid. Initial summaries, non-model summaries.

	A>B	A=B	A<B
PolyU2	209	139	0
	A=B	18	537
	A>B		0

Table 8: Discriminative power for PolyU2 compared with Pyramid. Update summaries, non-model summaries.

	A>B	A=B	A<B
PolyU2	250	100	0
	A=B	44	509
	A>B		0

Table 9: Discriminative power for PolyU2 compared with Responsiveness. Initial summaries, non-model summaries.

	A>B	A=B	A<B
PolyU2	186	162	0
	A=B	22	533
	A>B		0

Table 10: Discriminative power for PolyU2 compared with Responsiveness. Update summaries, non-model summaries.

Uses models:	Yes
Uses documents:	No
Emulates:	Pyramid and 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	0.904	0.000 (0.838 - 0.945)	0.903	0.000 (0.835 - 0.944)	0.814	0.000 (0.693 - 0.890)	0.793	0.000 (0.662 - 0.877)
Spearman	0.915	0.000	0.896	0.000	0.880	0.000	0.839	0.000
Kendall	0.797	0.000	0.778	0.000	0.746	0.000	0.692	0.000

Table 1: Correlations for PolyU3, 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	0.916	0.000 (0.850 - 0.954)	0.873	0.000 (0.776 - 0.929)	0.906	0.000 (0.832 - 0.948)	0.867	0.000 (0.766 - 0.926)
Spearman	0.860	0.000	0.834	0.000	0.801	0.000	0.743	0.000
Kendall	0.731	0.000	0.715	0.000	0.653	0.000	0.595	0.000

Table 2: Correlations for PolyU3, initial and update summaries, no models.

		A>B	A=B	A<B
PolyU3	A>B	323	0	
	A=B	21	0	
	A>B			0

Table 3: Discriminative power for PolyU3 compared with Pyramid. Initial summaries, models vs. non-models.

		A>B	A=B	A<B
PolyU3	A>B	261	0	
	A=B	83	0	
	A>B			0

Table 4: Discriminative power for PolyU3 compared with Pyramid. Update summaries, models vs. non-models.

		A>B	A=B	A<B
PolyU3	A>B	323	0	
	A=B	21	0	
	A>B			0

Table 5: Discriminative power for PolyU3 compared with Responsiveness. Initial summaries, models vs. non-models.

		A>B	A=B	A<B
PolyU3	A>B	261	0	
	A=B	83	0	
	A>B			0

Table 6: Discriminative power for PolyU3 compared with Responsiveness. Update summaries, models vs. non-models.

		A>B	A=B	A<B
PolyU3	A>B	303	96	
	A=B	15	489	
	A>B			0

Table 7: Discriminative power for PolyU3 compared with Pyramid. Initial summaries, non-model summaries.

		A>B	A=B	A<B
PolyU3	A>B	212	161	
	A=B	15	515	
	A>B			0

Table 8: Discriminative power for PolyU3 compared with Pyramid. Update summaries, non-model summaries.

		A>B	A=B	A<B
PolyU3	A>B	280	118	
	A=B	13	491	
	A>B			1

Table 9: Discriminative power for PolyU3 compared with Responsiveness. Initial summaries, non-model summaries.

		A>B	A=B	A<B
PolyU3	A>B	192	181	
	A=B	16	514	
	A>B			0

Table 10: Discriminative power for PolyU3 compared with Responsiveness. Update summaries, non-model summaries.

Uses models:	Yes
Uses documents:	Yes
Emulates:	Pyramid and 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	0.848	0.000 (0.747 - 0.911)	0.859	0.000 (0.765 - 0.918)	0.732	0.000 (0.572 - 0.838)	0.720	0.000 (0.554 - 0.830)
Spearman	0.905	0.000	0.881	0.000	0.882	0.000	0.853	0.000
Kendall	0.782	0.000	0.746	0.000	0.751	0.000	0.720	0.000

Table 1: Correlations for PolyU4, 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	0.923	0.000 (0.861 - 0.958)	0.885	0.000 (0.796 - 0.936)	0.889	0.000 (0.803 - 0.939)	0.859	0.000 (0.753 - 0.922)
Spearman	0.846	0.000	0.807	0.000	0.808	0.000	0.765	0.000
Kendall	0.709	0.000	0.669	0.000	0.676	0.000	0.646	0.000

Table 2: Correlations for PolyU4, initial and update summaries, no models.

		A>B	A=B	A<B
PolyU4	A>B	249	0	
	A=B	95	0	
	A>B			0

Table 3: Discriminative power for PolyU4 compared with Pyramid. Initial summaries, models vs. non-models.

		A>B	A=B	A<B
PolyU4	A>B	227	0	
	A=B	117	0	
	A>B			0

Table 4: Discriminative power for PolyU4 compared with Pyramid. Update summaries, models vs. non-models.

		A>B	A=B	A<B
PolyU4	A>B	249	0	
	A=B	95	0	
	A>B			0

Table 5: Discriminative power for PolyU4 compared with Responsiveness. Initial summaries, models vs. non-models.

		A>B	A=B	A<B
PolyU4	A>B	227	0	
	A=B	117	0	
	A>B			0

Table 6: Discriminative power for PolyU4 compared with Responsiveness. Update summaries, models vs. non-models.

		A>B	A=B	A<B
PolyU4	A>B	294	62	
	A=B	24	523	
	A>B			0

Table 7: Discriminative power for PolyU4 compared with Pyramid. Initial summaries, non-model summaries.

		A>B	A=B	A<B
PolyU4	A>B	215	152	
	A=B	12	524	
	A>B			0

Table 8: Discriminative power for PolyU4 compared with Pyramid. Update summaries, non-model summaries.

		A>B	A=B	A<B
PolyU4	A>B	273	83	
	A=B	21	526	
	A>B			0

Table 9: Discriminative power for PolyU4 compared with Responsiveness. Initial summaries, non-model summaries.

		A>B	A=B	A<B
PolyU4	A>B	197	170	
	A=B	11	525	
	A>B			0

Table 10: Discriminative power for PolyU4 compared with Responsiveness. Update summaries, non-model summaries.