

Análisis factorial

1.1 Momentos 1 y 5 de pregrado en biología

- Primer análisis factorial realizado: Todas las 10 competencias del PEP

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.	,735
Bartlett's Test of Sphericity	Approx. Chi-Square
	115,417
	df
	45
	Sig.
	<,001

Anti-image Matrices

		PEP1	PEP4	PEP5	PEP6	PEP7	PEP8	PEP9	PEP10	PEP2	PEP3
Anti-image Covariance	PEP1	,537	-,145	-,037	-,073	-,124	-,077	,128	-,065	,069	,006
	PEP4	-,145	,531	-,148	-,126	-,048	,040	,007	-,080	-,138	-,117
	PEP5	-,037	-,148	,677	-,133	-,076	,059	-,001	,044	,272	-,059
	PEP6	-,073	-,126	-,133	,533	,099	-,081	-,229	,133	-,190	,048
	PEP7	-,124	-,048	-,076	,099	,375	-,181	-,096	-,047	-,098	-,043
	PEP8	-,077	,040	,059	-,081	-,181	,381	-,113	-,103	,077	-,107
	PEP9	,128	,007	-,001	-,229	-,096	-,113	,584	,005	,089	-,004
	PEP10	-,065	-,080	,044	,133	-,047	-,103	,005	,788	-,009	,041
	PEP2	,069	-,138	,272	-,190	-,098	,077	,089	-,009	,720	-,089
	PEP3	,006	-,117	-,059	,048	-,043	-,107	-,004	,041	-,089	,746
Anti-image Correlation	PEP1	,813 ^a	-,272	-,061	-,136	-,276	-,169	,229	-,099	,111	,010
	PEP4	-,272	,795 ^a	-,247	-,236	-,107	,089	,013	-,124	-,223	-,186
	PEP5	-,061	-,247	,653 ^a	-,221	-,152	,117	-,002	,060	,389	-,083
	PEP6	-,136	-,236	-,221	,626 ^a	,220	-,180	-,410	,206	-,307	,077
	PEP7	-,276	-,107	-,152	,220	,771 ^a	-,479	-,204	-,086	-,189	-,081
	PEP8	-,169	,089	,117	-,180	-,479	,769 ^a	-,240	-,188	,146	-,200
	PEP9	,229	,013	-,002	-,410	-,204	-,240	,709 ^a	,008	,137	-,006
	PEP10	-,099	-,124	,060	,206	-,086	-,188	,008	,777 ^a	-,011	,053
	PEP2	,111	-,223	,389	-,307	-,189	,146	,137	-,011	,349 ^a	-,121
	PEP3	,010	-,186	-,083	,077	-,081	-,200	-,006	,053	-,121	,867 ^a

a. Measures of Sampling Adequacy(MSA)

Rotated Component Matrix^a

	Component			
	1	2	3	4
PEP10	,773	-,051	-,143	-,020
PEP7	,732	,286	,350	,058
PEP8	,705	,152	,526	-,022
PEP3	,407	,352	,151	,251
PEP5	-,012	,796	,169	-,373
PEP4	,277	,730	,119	,349
PEP1	,569	,569	,037	,043
PEP9	,187	,032	,898	-,054
PEP6	-,121	,452	,671	,306
PEP2	,019	-,003	,040	,934

Extraction Method: Principal Component Analysis.

Rotation Method: Varimax with Kaiser Normalization.

a. Rotation converged in 8 iterations.

- Segundo análisis factorial realizado: Se elimina PEP2

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		,786
Bartlett's Test of Sphericity	Approx. Chi-Square	104,970
	df	36
	Sig.	<,001

Anti-image Matrices

		PEP1	PEP4	PEP5	PEP6	PEP7	PEP8	PEP9	PEP10	PEP3
Anti-image Covariance	PEP1	,543	-,141	-,075	-,061	-,120	-,087	,123	-,065	,015
	PEP4	-,141	,559	-,119	-,189	-,072	,059	,026	-,086	-,143
	PEP5	-,075	-,119	,798	-,079	-,048	,036	-,042	,055	-,031
	PEP6	-,061	-,189	-,079	,589	,083	-,069	-,231	,145	,028
	PEP7	-,120	-,072	-,048	,083	,389	-,181	-,088	-,050	-,058
	PEP8	-,087	,059	,036	-,069	-,181	,390	-,128	-,104	-,101
	PEP9	,123	,026	-,042	-,231	-,088	-,128	,595	,006	,007
	PEP10	-,065	-,086	,055	,145	-,050	-,104	,006	,788	,040
	PEP3	,015	-,143	-,031	,028	-,058	-,101	,007	,040	,758
Anti-image Correlation	PEP1	,827 ^a	-,256	-,114	-,108	-,262	-,189	,217	-,099	,024
	PEP4	-,256	,785 ^a	-,178	-,329	-,156	,126	,045	-,130	-,220
	PEP5	-,114	-,178	,872 ^a	-,116	-,086	,065	-,060	,070	-,039
	PEP6	-,108	-,329	-,116	,676 ^a	,174	-,143	-,390	,213	,042
	PEP7	-,262	-,156	-,086	,174	,801 ^a	-,465	-,183	-,090	-,106
	PEP8	-,189	,126	,065	-,143	-,465	,782 ^a	-,265	-,188	-,186
	PEP9	,217	,045	-,060	-,390	-,183	-,265	,727 ^a	,009	,011
	PEP10	-,099	-,130	,070	,213	-,090	-,188	,009	,768 ^a	,052
	PEP3	,024	-,220	-,039	,042	-,106	-,186	,011	,052	,874 ^a

a. Measures of Sampling Adequacy(MSA)

Rotated Component Matrix^a

	Component		
	1	2	3
PEP10	,770	-,055	-,158
PEP7	,737	,288	,338
PEP8	,710	,149	,512
PEP1	,570	,570	,029
PEP3	,416	,372	,169
PEP5	-,022	,759	,126
PEP4	,289	,758	,138
PEP9	,196	,029	,887
PEP6	-,103	,479	,691

Extraction Method: Principal Component Analysis.

Rotation Method: Varimax with Kaiser Normalization.

a. Rotation converged in 6 iterations.

- Tercer análisis factorial realizado: Se eliminan PEP1 ,PEP3,PEP6 y PEP9

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		,690
Bartlett's Test of Sphericity	Approx. Chi-Square	46,219
	df	10
	Sig.	<,001

Anti-image Matrices

		PEP4	PEP5	PEP7	PEP8	PEP10
Anti-image Covariance	PEP4	,729	-,238	-,132	-,019	-,065
	PEP5	-,238	,830	-,070	-,008	,085
	PEP7	-,132	-,070	,436	-,287	-,088
	PEP8	-,019	-,008	-,287	,481	-,095
	PEP10	-,065	,085	-,088	-,095	,845
Anti-image Correlation	PEP4	,761 ^a	-,305	-,234	-,032	-,083
	PEP5	-,305	,694 ^a	-,116	-,013	,102
	PEP7	-,234	-,116	,651 ^a	-,627	-,144
	PEP8	-,032	-,013	-,627	,654 ^a	-,149
	PEP10	-,083	,102	-,144	-,149	,827 ^a

a. Measures of Sampling Adequacy(MSA)

Rotated Component Matrix^a

	Component	
	1	2
PEP8	,796	,293
PEP7	,767	,414
PEP10	,767	-,138
PEP5	-,038	,872
PEP4	,325	,705

Extraction Method: Principal

Component Analysis.

Rotation Method: Varimax with

Kaiser Normalization.

a. Rotation converged in 3 iterations.