

González-Pérez, L.I., & Ramírez-Montoya, M.S. (2024). Appendix B. Results of validation expert judges of an instrument to measure sustainability maturity in Higher Education. Aiken's V content validity and confidence interval.

Appendix B.

Content

1. Aiken's V evaluation results and decisions for items
2. Decisions for items
3. Items remained > 75 after Aiken's V results
4. Overall average Aiken's V
5. Version of the instrument to pilot after expert judgment assessment

1. Table 1 presents Aiken's V evaluation results

Table 1. Aiken's V evaluation results

Dimensions	Column2	Item	Media	DS	Aiken's V	Lower Limit	Upper Limit	Action after review
Dimension 1. Sustainability Governance	Clarity	R1	4.00	0.63	0.75	0.55	0.87	Redrafted
	Relevance	R1	3.40	0.80	0.80	0.56	0.91	
	Coherence	R1	4.00	0.63	1.00	0.80	1.00	
	Clarity	R2	4.00	0.89	0.75	0.55	0.87	Redrafted
	Relevance	R2	3.40	0.49	0.80	0.56	0.91	
	Coherence	R2	3.80	0.40	0.93	0.72	0.97	
	Clarity	R3	3.80	1.60	0.70	0.49	0.84	Removed
	Relevance	R3	3.60	0.49	0.87	0.64	0.94	
	Coherence	R3	3.40	0.80	0.80	0.56	0.91	
	Clarity	R4	3.40	1.36	0.60	0.39	0.78	Removed
	Relevance	R4	4.00	0.00	1.00	0.80	1.00	
	Coherence	R4	4.00	0.00	1.00	0.80	1.00	
	Clarity	R5	4.20	0.75	0.80	0.61	0.90	Removed
	Relevance	R5	3.80	0.40	0.93	0.72	0.97	
	Coherence	R5	3.20	0.75	0.73	0.49	0.88	
	Clarity	R6	4.60	0.49	0.90	0.72	0.95	Transfer to society
Relevance	R6	4.00	0.00	1.00	0.80	1.00		
Coherence	R6	3.60	0.80	0.87	0.64	0.94		
Clarity	R7	4.80	0.40	0.95	0.78	0.98	Redrafted	
Relevance	R7	3.80	0.40	0.93	0.72	0.97		
Coherence	R7	3.60	0.49	0.87	0.64	0.94		
Clarity	R8	4.60	0.80	0.90	0.72	0.95		

Dimension 2. Human rights & gender perspective	Relevance	R8	3.80	0.40	0.93	0.72	0.97	Transfer to Sustainability Governance and Redrafted
	Coherence	R8	3.80	0.40	0.93	0.72	0.97	
	Clarity	R9	4.00	0.89	0.75	0.55	0.87	
	Relevance	R9	3.60	0.49	0.87	0.64	0.94	Transfer to Work experience
	Coherence	R9	3.80	0.40	0.93	0.72	0.97	
	Clarity	R10	4.80	0.40	0.95	0.78	0.98	
	Relevance	R10	3.60	0.49	0.87	0.64	0.94	
	Coherence	R10	3.40	0.80	0.80	0.56	0.91	
	Clarity	R11	4.60	0.49	0.90	0.72	0.95	
	Relevance	R11	3.60	0.49	0.87	0.64	0.94	Redrafted
	Coherence	R11	3.80	0.40	0.93	0.72	0.97	
	Clarity	R12	4.40	0.80	0.85	0.66	0.93	
Relevance	R12	3.60	0.49	0.87	0.64	0.94		
Coherence	R12	4.00	0.63	1.00	0.80	1.00		
Clarity	R13	4.00	0.63	0.75	0.55	0.87	Redrafted	
Relevance	R13	3.60	0.49	0.87	0.64	0.94		
Coherence	R13	3.60	0.80	0.87	0.64	0.94		
Dimension 3. Environment	Clarity	R14	4.00	0.63	0.75	0.55	0.87	Transfer to Sustainability Governance and Redrafted
	Relevance	R14	4.00	0.00	1.00	0.80	1.00	
	Coherence	R14	3.80	0.40	0.93	0.72	0.97	
	Clarity	R15	4.20	0.75	0.80	0.61	0.90	Redrafted
	Relevance	R15	3.80	0.40	0.93	0.72	0.97	Redrafted
	Coherence	R15	3.80	0.40	0.93	0.72	0.97	
	Clarity	R16	4.20	0.75	0.80	0.61	0.90	
	Relevance	R16	3.80	0.40	0.93	0.72	0.97	
	Coherence	R16	3.80	0.40	0.93	0.72	0.97	
	Clarity	R17	4.20	0.75	0.80	0.61	0.90	
	Relevance	R17	3.80	0.40	0.93	0.72	0.97	Removed
	Coherence	R17	3.80	0.40	0.93	0.72	0.97	
	Clarity	R18	4.00	0.89	0.75	0.55	0.87	
	Relevance	R18	3.60	0.49	0.87	0.64	0.94	
	Coherence	R18	2.80	0.40	0.60	0.35	0.81	
	Clarity	R19	4.80	0.40	0.95	0.78	0.98	
	Relevance	R19	3.80	0.40	0.93	0.72	0.97	Removed
	Coherence	R19	2.80	0.40	0.60	0.35	0.81	Redrafted
Clarity	R20	4.80	0.40	0.95	0.78	0.98		
Relevance	R20	3.80	0.40	0.93	0.72	0.97		
Coherence	R20	3.80	0.40	0.93	0.72	0.97		

Dimension 4. Work Experience	Clarity	R21	4.20	0.75	0.80	0.61	0.90	Redrafted
	Relevance	R21	3.80	0.40	0.93	0.72	0.97	
	Coherence	R21	4.00	0.63	1.00	0.80	1.00	
	Clarity	R22	4.40	0.80	0.85	0.66	0.93	Redrafted
	Relevance	R22	3.60	0.49	0.87	0.64	0.94	
	Coherence	R22	3.60	0.80	0.87	0.64	0.94	
	Clarity	R23	3.20	1.47	0.55	0.34	0.75	Removed
	Relevance	R23	3.80	0.40	0.93	0.72	0.97	
	Coherence	R23	4.00	0.63	1.00	0.80	1.00	
	Clarity	R24	4.20	0.75	0.80	0.61	0.90	Redrafted
	Relevance	R24	3.80	0.40	0.93	0.72	0.97	
	Coherence	R24	3.80	0.40	0.93	0.72	0.97	
Dimension 5. Economic Social Impact	Clarity	R25	4.60	0.49	0.90	0.72	0.95	Redrafted
	Relevance	R25	3.80	0.40	0.93	0.72	0.97	
	Coherence	R25	3.60	0.80	0.87	0.64	0.94	
	Clarity	R26	4.40	0.80	0.85	0.66	0.93	Transfer to governance
	Relevance	R26	3.60	0.49	0.87	0.64	0.94	
	Coherence	R26	4.00	0.63	0.75	0.55	0.87	
	Clarity	R27	4.60	0.80	0.90	0.72	0.95	Redrafted
	Relevance	R27	4.00	0.00	1.00	0.80	1.00	
	Coherence	R27	3.60	0.49	0.87	0.64	0.94	
	Clarity	R28	4.60	0.49	0.90	0.72	0.95	Redrafted
	Relevance	R28	4.00	0.00	1.00	0.80	1.00	
	Coherence	R28	3.80	0.40	0.93	0.72	0.97	
	Clarity	R29	4.80	0.40	0.95	0.78	0.98	Redrafted
	Relevance	R29	4.00	0.00	1.00	0.80	1.00	
	Coherence	R29	3.80	0.40	0.93	0.72	0.97	

2. Decisions for items

Removed

Sustainability Governance: items R3, R4, R5 Removed.

Environment: R18, removed

Work experience: R19 y R23 removed.

Transfer

Sustainability Governance: R6 Transfer to society

Human rights & gender perspective: R8 transfer to Sustainability Governance and redrafted. R10 **Transfer** from to Work experience.

Environment: R14 **Transfer to Governance**

Economic Impact and Social impact: R26: **Transfer** to governance

Redrafted

Sustainability Governance: R1, R2, R7

Human rights & gender perspective: R8, R9, R11, R12
 Environment: R13, R14, R15, R16, R17, R18
 Work experience: R19, R29, R21, R22, R24
 Economic Impact and Social impact: R27, R28, R29

2. In Table 2 presents items > 75 after Aiken's V results

Table 2. Items remained > 75 after Aiken's V results

Dimension	Criteria	Item	Media	DS	Aiken's V	Lower Limit	Upper Limit
D1	Clarity	R1	4	0.63	0.75	0.55	0.87
	Relevance		3.4	0.80	0.80	0.56	0.91
	Coherence		4	0.63	1.00	0.80	1.00
	Clarity	R2	4	0.89	0.75	0.55	0.87
	Relevance		3.4	0.49	0.80	0.56	0.91
	Coherence		3.8	0.40	0.93	0.72	0.97
	Clarity	R6	4.6	0.49	0.90	0.72	0.95
	Relevance		4	0.00	1.00	0.80	1.00
	Coherence		3.6	0.80	0.87	0.64	0.94
D2	Clarity	R7	4.8	0.40	0.95	0.78	0.98
	Relevance		3.8	0.40	0.93	0.72	0.97
	Coherence		3.6	0.49	0.87	0.64	0.94
	Clarity	R8	4.6	0.80	0.90	0.72	0.95
	Relevance		3.8	0.40	0.93	0.72	0.97
	Coherence		3.8	0.40	0.93	0.72	0.97
	Clarity	R9	4	0.89	0.75	0.55	0.87
	Relevance		3.6	0.49	0.87	0.64	0.94
	Coherence		3.8	0.40	0.93	0.72	0.97
	Clarity	R10	4.8	0.40	0.95	0.78	0.98
	Relevance		3.6	0.49	0.87	0.64	0.94
	Coherence		3.4	0.80	0.80	0.56	0.91
	Clarity	R11	4.6	0.49	0.90	0.72	0.95
	Relevance		3.6	0.49	0.87	0.64	0.94
	Coherence		3.8	0.40	0.93	0.72	0.97
	Clarity	R12	4.4	0.80	0.85	0.66	0.93
	Relevance		3.6	0.49	0.87	0.64	0.94
	Coherence		4	0.63	1.00	0.80	1.00
D3	Clarity	R13	4	0.63	0.75	0.55	0.87
	Relevance		3.6	0.49	0.87	0.64	0.94
	Coherence		3.6	0.80	0.87	0.64	0.94

	Clarity	R14	4	0.63	0.75	0.55	0.87
	Relevance		4	0.00	1.00	0.80	1.00
	Coherence		3.8	0.40	0.93	0.72	0.97
	Clarity	R15	4.2	0.75	0.80	0.61	0.90
	Relevance		3.8	0.40	0.93	0.72	0.97
	Coherence		3.8	0.40	0.93	0.72	0.97
	Clarity	R16	4.2	0.75	0.80	0.61	0.90
	Relevance		3.8	0.40	0.93	0.72	0.97
	Coherence		3.8	0.40	0.93	0.72	0.97
	Clarity	R17	4.2	0.75	0.80	0.61	0.90
	Relevance		3.8	0.40	0.93	0.72	0.97
	Coherence		3.8	0.40	0.93	0.72	0.97
D4	Clarity	R20	4.8	0.40	0.95	0.78	0.98
	Relevance		3.8	0.40	0.93	0.72	0.97
	Coherence		3.8	0.40	0.93	0.72	0.97
	Clarity	R21	4.2	0.75	0.80	0.61	0.90
	Relevance		3.8	0.40	0.93	0.72	0.97
	Coherence		4	0.63	1.00	0.80	1.00
	Clarity	R22	4.4	0.80	0.85	0.66	0.93
	Relevance		3.6	0.49	0.87	0.64	0.94
	Coherence		3.6	0.80	0.87	0.64	0.94
	Clarity	R24	4.2	0.75	0.80	0.61	0.90
	Relevance		3.8	0.40	0.93	0.72	0.97
	Coherence		3.8	0.40	0.93	0.72	0.97
D5	Clarity	R25	4.6	0.49	0.90	0.72	0.95
	Relevance		3.8	0.40	0.93	0.72	0.97
	Coherence		3.6	0.80	0.87	0.64	0.94
	Clarity	R26	4.4	0.80	0.85	0.66	0.93
	Relevance		3.6	0.49	0.87	0.64	0.94
	Coherence		4	0.63	0.75	0.55	0.87
	Clarity	R27	4.6	0.80	0.90	0.72	0.95
	Relevance		4	0.00	1.00	0.80	1.00
	Coherence		3.6	0.49	0.87	0.64	0.94
	Clarity	R28	4.6	0.49	0.90	0.72	0.95
	Relevance		4	0.00	1.00	0.80	1.00
	Coherence		3.8	0.40	0.93	0.72	0.97
	Clarity	R29	4.8	0.40	0.95	0.78	0.98
	Relevance		4	0.00	1.00	0.80	1.00
	Coherence		3.8	0.40	0.93	0.72	0.97

3. In Table 3 shows overall average Aiken's V

Table 3. Overall average Aiken's V

Criteria	Average Aiken's V					Total
	D1	D3	D2	D4	D5	
Relevance	0.87	0.93	0.89	0.92	0.96	0.92
Coherence	0.97	0.92	0.90	0.93	0.87	0.91
Clarity	0.80	0.78	0.88	0.85	0.90	0.85
Total	0.87	0.88	0.89	0.90	0.91	0.89

Table 4. Version of the instrument to pilot after expert judgment assessment

Dimension 1. Sustainability Governance	1	The university has a clear and visible path to achieve Sustainability
	2	The roles and responsibilities have been established at the university to effectively implement and oversee the Sustainability work Programmed (Action plan or equivalent)
	8	The university disseminates its policy on human rights and gender equity in a clear manner, aligned with international principles and standards (2030 agenda)
	14	Stakeholders are aware of the University's goals and objectives that are aligned with the Sustainable Development Goals (SDGs) and that have been established to reduce the university's environmental impacts.
	26	La university uses various communication channels to publicize its activities in Sustainability and social responsibility
Dimension 2. Human rights & gender perspective	7	The university, through various means, has publicized the training programs, awareness of human rights aimed at interested parties.
	9	The university has the mechanisms to prevent and address human rights violations
	11	Action protocols are public and accessible in the way in which complaints of human rights violations are investigated and managed, under measures based on confidentiality and the protection of the parties involved.
	12	The university, through various means, presents the results of the evaluations of the actions it has carried out in the field of human rights.
Dimension 3. Environment	13	Within the university, the importance of green areas is promoted to the use of school transport, renewable energies, and degradable materials
	15	There is a monitoring protocol for key environmental performance indicators, such as energy consumption, greenhouse gas emissions, water use, waste generation and other relevant aspects.
	16	The university promotes environmental responsibility initiatives such as cleaning rivers, beaches; environmental education to primary or secondary schools; reforestation campaigns in the community; support in species conservation; support for abandoned pet orphanages, etc.
	17	There are measures to minimize the use of natural resources, such as energy efficiency, responsible water uses and proper waste management.
Dimension 4. Work experience	10	The university implements employment policies and practices that promote equal opportunities, non-discrimination, and respect for fundamental labor rights.
	20	The university has published a code of conduct or work ethics that communicates to and applies to all employees, including contractors and suppliers.
	21	The university publicizes training and development policies and programs to promote the growth and well-being of stakeholders.

	22	To what extent, the university complies with current labor laws and regulations, including working hours, fair wages, measures to prevent occupational accidents and diseases.
	24	The university transmits to interested parties the results of external evaluations of the work environment and level of satisfaction of employees at the university.
Dimension 5. Economic Impact and Social impact	6	The university has alliances or collaborations that promote Sustainability in the local, national, and international community.
	25	The university publicizes the policies and programs it has established to contribute to the social, economic, and cultural development of the community in which it is located
	27	The university makes known the mechanisms of participation and dialogue with which it collects opinions, expectations and needs of interested parties.
	28	The university has success stories of collaboration programs with other academic institutions, organizations and companies that have fostered the social and economic development of society.
	29	The university encourages the participation of students and their staff in volunteer and social responsibility programs.