

Affinity for Technology Interaction Short Scale (ATI-S)

Wessel, Attig, & Franke (2019)

Attention: This is the short version of the ATI scale. The full version consists of 9 items and has superior psychometric quality. It is available at www.ati-scale.org. Use this short version only if you absolutely, positively have to reduce the number of items.

In the following questionnaire, we will ask you about your interaction with technical systems. The term “technical systems” refers to apps and other software applications, as well as entire digital devices (e.g., mobile phone, computer, TV, car navigation).

Please indicate the degree to which you agree/disagree with the following statements.		completely disagree	largely disagree	slightly disagree	slightly agree	largely agree	completely agree
01	I like to occupy myself in greater detail with technical systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
02	I like testing the functions of new technical systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
03	It is enough for me that a technical system works; I don't care how or why.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
04	It is enough for me to know the basic functions of a technical system.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Analysis

1. When entering the participants' responses into a data file for the analysis, the responses should be coded as follows: completely disagree = 1, largely disagree = 2, slightly disagree = 3, slightly agree = 4, largely agree = 5, completely agree = 6.
2. Responses to the **two negatively worded items** (items 3 and 4) **need to be reversed** (6=1, 5=2, 4=3, 3=4, 2=5, 1=6).
3. Finally, a mean score should be computed over all 4 items.
4. Report mean (*M*), standard deviation (*SD*) and Cronbach's alpha, usually with two decimal places, e.g., *M* = 3.61, *SD* = 1.08, α = .87.

Source: Wessel, D., Attig, C., & Franke, T. (2019). ATI-S - An Ultra-Short Scale for Assessing Affinity for Technology Interaction in User Studies. *Proceedings of Mensch und Computer 2019*, 147–154. <https://doi.org/10.1145/3340764.3340766>