Meta-Artificial Intelligence Literacy Scale – Short Version

Koch, Carolus, et al., 2024

In the following, you will read descriptions of different abilities that one can have when dealing with artificial intelligence. These abilities can be more or less pronounced. Please rate yourself: How pronounced are your abilities?

A value of 0 means that an ability is not at all or hardly pronounced. A value of 10 means that an ability is very well or (almost) perfectly pronounced.

Please circle the value that best describes your ability.

1.	I can 0	tell if I	am dea	ling with 2	an appl	ication b 4	ased on 5	artificial 6	intellige 7	ence. 8	9	10
2.	I can 0	progra	am new 1	applicati 2	ons in th 3	e field o 4	f "artifici 5	al intellig 6	ence". 7	8	9	10
3.	Altho 0	ugh th	ere are o	often nev 2	w AI app 3	lications 4	, I mana 5	ge to alv 6	vays be 7	"up-to da 8	ate". 9	10
4.	I can 0	handl	e it wher 1	n interac	tions wit 3	h AI frus 4	trate or t 5	righten r 6	ne 7	8	9	10
5.	I can 0	weigh	the con	sequenc 2	es of us	ing AI fo 4	r society 5	′. 6	7	8	9	10
6.	I can 0	desigi	n new Al 1	applicat 2	tions. 3	4	5	6	7	8	9	10
7.	I can 0	use a	rtificial ir 1	itelligend 2	ce mean	ingfully t 4	o achiev 5	re my go 6	als. 7	8	9	10
8. I can also usually solve strenuous and complicated tasks when working with artificial intelligence well.												
	0	1100 11	1	2	3	4	5	6	7	8	9	10
9.	I can 0	preve	nt an Al 1	from infl 2	uencing 3	me in m 4	y decisio 5	ons. 6	7	8	9	10
	. I cai tails.	n asse	ss what	advanta	ges and	disadva	intages t	he use o	of an arti	ficial inte	elligence	
U 11	0		1	2	3	4	5	6	7	8	9	10

The Meta-Artificial Intelligence Literacy Scale is divided into the following sections. To determine the individual values, a mean score must be calculated from the corresponding items. Artificial Intelligence Literacy

Al Literacy

Detect AI: Item 1Apply AI: Item 7

Understand AI: Item 10

• Al Ethics: Item 5

Create Al

Items 2, 6

Al Self-Efficacy

Learning: Item 3

• Al Problem-Solving: Item 8

Al Self-Competency

Persuasion Literacy: Item 9Emotion Regulation: Item 4

Koch, M. J., Carolus, A., Wienrich, C., & Latoschik, M. E. (2024). Meta Al literacy scale: Further validation and development of a short version. *Heliyon*, *10*(21).