

SUPPLEMENTARY MATERIALS

GAI DEPENDENCE SCALE

DIMENSIONS AND ITEMS

Intensity of Use (3 items)

1. I use GAI more frequently.
2. I use GAI more impulsively.
3. I intend to increase my usage of GAI to enhance performance.

Content Dependency (5 items)

4. I often copy the content generated by GAI without any changes.
5. I replicate content generated by GAI to save time.
6. I completely trust the information provided by GAI.
7. GAI provide more comprehensive information, so I always use content generated by GAI as priority.
8. Compared to my own answers, I usually prefer the responses generated by GAI.

Withdrawal Symptoms (5 items)

9. It's uncomfortable if I am not allowed to use GAI.
10. I would feel frustrated, irritable, or anxious if I am not allowed to use GAI.
11. As if I lost my intimate friend if I am forbidden to use GAI.
12. I would be unable to complete tasks perfectly if I am not allowed to use GAI.
13. I feel tired when solving problems on my own, but energized when using GAI to solve them.

Negative Consequences (6 items)

14. I'm lazy in thinking and solving problems on my own for the frequent use of GAI.
15. I'm less creative due to the frequent use of GAI.
16. After using AI frequently, I become lazy in memorizing or learning new things.
17. Using GAI overly makes me lack of confidence in completing tasks independently when GAI is unavailable.
18. Overusing GAI has a negative impact on my learning and work.
19. I spend less time solving problems with others collaboratively after using AI.