# Definition of algorithm literacy and data literacy

## Call for contributions

This call for contributions invites thinkers, researchers, educators, and scholars and experts in the field to contribute 1000-2000 word think-pieces that elaborate and define, from different perspectives, algorithm literacy and data literacy.

**All submissions must be received by 7 July 2023**

## Introduction

Based on the Beijing Consensus on AI and Education, there is the emergence of a set of AI literacy skills required for ethical and effective human–machine collaboration, without losing sight of the need for foundational skills such as literacy and numeracy. With the rapid adoption of ChatGPT and other generative AI technologies, it has become more urgent to define the basic sets of AI literacy skills needed by the understanding and use of AI. The basic values, knowledge, and understanding on how our data are being collected and used as well as how algorithms are being designed to manipulate the data and feed information to users of digital platforms – together with basic skills everyone needs to master of using daily AI tools, they can be summarized as data literacy and algorithm literacy. By defining algorithm literacy and data literacy, UNESCO aims to develop frameworks of AI competencies for teachers and students and to guide the empowerment of individuals in navigating around AI-rich environment, making informed decisions, and actively shaping its responsible and beneficial use.

## Purpose

The objective of this call for contributions is to find experts who can contribute to UNESCO's work on the above-stated topic. The submission should be think-pieces with 1000-2000 words that provide clear definitions of main categories of algorithm literacy and data literacy, why everyone should have these literacy skills regardless of their contexts, and main sub-categories of these literacy skills.

These definitions should capture the key components, knowledge areas, and competencies that constitute these literacies. Moreover, they should be accessible to a wide range of audiences, considering diverse perspectives, ethical considerations, and adaptability to evolving technological landscapes.

## Submission requirements

Authors are invited to submit think-pieces ranging from 1,000 to 2,000 words in either English or French, focusing on one of the themes outlined above. It is essential that all submissions include a well-defined argument or position statement, adequately supported throughout the piece. If think-pieces are written in a language other than one of UNESCO's two official working languages, they must include a full translation of their piece into English or French for consideration.

We define think-pieces as unique and unpublished texts that delve into specific topics with a focused approach. They have the potential to blend theoretical and empirical perspectives, introduce innovative concepts, and provoke thoughtful reflection. While these think-pieces may address global or regional concerns, we kindly request that contributors refrain from conducting regional or cross-national comparative analyses. We are not seeking case studies as part of this initiative; however, it is acceptable to use specific country or regional experiences to illustrate a concept or highlight a priority. It's important to note that think-pieces are not intended to serve as policy guides or technical manuals.

Submissions to this initiative will be carefully reviewed and selected based on several criteria, including their relevance to the call, the clarity of the argument presented, the strength of the analysis, and the overall quality of writing. While we appreciate all submissions, it may not be possible to accept every piece due to space limitations and the need to maintain a coherent direction for the publication.

Please note that submissions must be authored by one or more individuals, and pieces attributed to organizations, companies, or other entities will not be considered. We value the importance of individual perspectives and encourage personal authorship to maintain transparency and accountability.

Think-pieces should be submitted through the following link:
https://survey.alchemer.com/s3/7383931/Call-for-Contribution-Definition-of-Algorithm-Literacy-and-AI-Literacy

Submissions should include the following elements:

1. **Title.** Choose an appropriate title. The title should summarize the main idea or ideas of your contribution. A good title contains the fewest possible words needed to adequately describe the content and/or purpose.

2. **Author name(s) and affiliation.** The author's name(s) and affiliation will be featured in the table of contents and/or alongside the think piece. Add the authors in the order you would like them to appear in the final version.

3. **Headers and sub-header titles.** Titles should not exceed 90 characters (including spaces). Titles should not include numbers, acronyms, abbreviations or punctuation. They should include sufficient detail for indexing purposes but be general enough for readers outside the field to appreciate what the paper is about. Headers and sub-headers are not mandatory, although they do help guide the reader.

4. **Text length.** The contribution should be between 1000-2000 words (font Arial 11, double-spaced).

5. **Citation style.** The citation style should follow rules of the UNESCO Style Manual (pp. 39-44).

Authors of accepted submissions will be required to sign a grant of rights prior to publication. UNESCO does not offer any remuneration for the submission of think pieces related to this call for contributions.