

The `aidisclose` package

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<https://github.com/joaomlourenco/aidisclose>

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1 Introduction

`aidisclose` is a LaTeX package providing a standardized, transparent mechanism for declaring the use of Generative Artificial Intelligence (GAI) tools in academic, technical, and professional documents.

The package is designed to support emerging ethical, institutional, and publisher requirements concerning AI-assisted content creation. It implements the *GAIDeT (Generative AI Delegation Taxonomy)*, as proposed by Suchikova et al. 2025 [1].

This package allows authors to:

- Select specific tasks delegated to AI from the predefined taxonomy (e.g., idea generation, data cleaning, text summarization).
- List the specific GAI tools used (e.g., ChatGPT, Gemini, Claude).
- Add optional explanatory comments (numbered or unnumbered).
- Automatically generate a formatted “Disclosure of Delegation to Generative AI” section, including the necessary responsibility statements.

2 Usage

To use the package, load it in your document preamble:

```
\usepackage{aidisclose}
```

The declaration process consists of two steps: **Configuration** (defining what was done) and **Rendering** (printing the declaration).

2.1 Configuration

Configuration commands can be placed in the preamble or anywhere in the document body before the rendering command is called.

2.1.1 Activating Taxonomy Items

Use the `\GAIactivate{<key>}` command to check specific items in the taxonomy. A full list of available keys is provided in Section 3.

```
% Example: Activating "Idea generation" and "Code optimization"
\GAIactivate{c:idea}
\GAIactivate{s:opt}
```

2.1.2 Specifying Tools

Use the `\GAIttoolsUsed{<list>}` command to list the AI tools employed. The package automatically formats the output sentence based on the number of tools provided (handling singular/plural forms and commas).

```
% Example 1: No tools used
\GAIttoolsUsed{}
```

```
% Example 2: One tool
\GAIttoolsUsed{ChatGPT-4}
```

```
% Example 3: Multiple tools
\GAIttoolsUsed{ChatGPT-4, Gemini Advanced, Claude 3}
```

2.1.3 Adding Comments

If you need to provide additional context, use the `GAIcomment` environment for numbered comments, or the starred `GAIcomment*` environment for unnumbered comments.

```
% Numbered comment (increments counter)
\begin{GAIcomment}
    The AI was used primarily for refining the code in Section 3,
    but the algorithm logic was derived manually.
\end{GAIcomment}
```

```
% Unnumbered comment
```

```
\begin{GAIcomment*}
  No confidential data was shared with the AI tools.
\end{GAIcomment*}
```

2.1.4 Customizing the Title

You can change the default title of the declaration section using `\GAIdiscloseTitle`.

```
\GAIdiscloseTitle[Short Title]{Full Title for the Section}[section-level]
```

The last (optional) argument `section-level` defaults to `\chapter` if defined (e.g., in book-like documents), otherwise defaults to `\section`. You can pass `none` to skip automatic title generation entirely.

You can also retrieve the stored titles manually if needed:

```
\GAIdiscloseTitleLong    % Prints the full title
\GAIdiscloseTitleShort   % Prints the short title
```

2.1.5 Customizing Appearance

You can customize the font size of the checklist and the symbol used for checkboxes.

```
\GAIssetChecklistFontSize{<fontsize>}
```

- **Mandatory Argument:** The font size to use while printing the checklist. The default is `\smaller`, which means “*slightly smaller*”.

```
\GAIssetCheckmarkSymbol{<symbol>}
```

- **Mandatory Argument:** The symbol to display inside checked boxes. The default is `\checkmark` (✓).

2.2 Rendering the Declaration

To print the final declaration, use the `\GAIsrenderDeclaration` command at the desired location in your document. For papers/articles, you may consider placing it before or after the references. For thesis/dissertations, please follow your University/School rules.

```
\GAIsrenderDeclaration[<checklist_ncols>]{<Author Names>}
```

- **Optional Argument** (`[<checklist_ncols>]`): The number of columns used while printing the checklist. The default is 3 columns.

- **Mandatory Argument:** A comma-separated list of author names submitting the declaration.

You can also use the **starred form** `\GAIRenderDeclaration*` to render the declaration **without** the section title (useful if you want to manage the heading manually).

Example:

```
% Standard rendering with title
\GAIRenderDeclaration[1]{Jane Doe, John Smith}

% Rendering without title
\section*{AI Disclosure}
\GAIRenderDeclaration*[2]{Jane Doe}
```

3 Taxonomy Keys

The following keys correspond to the specific tasks defined in the GAIDeT taxonomy [1]. Use these keys with the `\GAIactivate{}` command.

Key	Description
Conceptualization	
c:idea	Idea generation
c:objective	Defining the research objective
c:rq	Formulating research questions and hypotheses
c:feas	Feasibility assessment and risk evaluation
c:pretest	Preliminary hypothesis testing
Literature Review	
l:search	Literature search and systematization
l:write	Writing the literature review
l:patents	Analysis of market trends/patent environment
l:gaps	Novelty evaluation and gap identification
Methodology	
m:design	Research design
m:protocols	Experimental or research protocols
m:methods	Selection of research methods
Software Development	
s:codegen	Code generation
s:opt	Code optimization

s:auto	Process automation
s:algs	Algorithms for data analysis
<hr/>	
Data Management	
d:collect	Data collection
d:validate	Validation
d:clean	Data cleaning
d:curate	Data curation and organization
d:analyze	Data analysis
d:viz	Visualization
d:repro	Reproducibility testing
<hr/>	
Writing and Editing	
w:textgen	Text generation
w:proof	Proofreading and editing
w:summarize	Summarizing text
w:concl	Formulation of conclusions
w:tone	Adapting and adjusting emotional tone
w:translate	Translation
w:reformat	Reformatting
w:press	Press releases and outreach materials
<hr/>	
Ethics & Supervision	
e:bias	Bias analysis and discrimination assessment
e:risk	Ethical risk analysis
e:compliance	Compliance monitoring
e:conf	Data confidentiality monitoring
sup:qa	Quality assessment
sup:trends	Trend identification
sup:limits	Identification of limitations
sup:recs	Recommendations
sup:pub	Publication support
<hr/>	

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Jane Doe, John Doe, and Mary Doe declare the use of Generative AI in the research work and writing process of this document. According to the GAIDeT taxonomy,¹ the following tasks were delegated to Generative AI tools under full human supervision:

¹Suchikova, Y., Tsybuliak, N., Teixeira da Silva, J. A., & Nazarovets, S. (2025). GAIDeT (Generative AI Delegation Taxonomy): A taxonomy for humans to delegate tasks to generative artificial intelligence in scientific research and publishing. *Accountability in Research*, 1–27. <https://doi.org/10.1080/08989621.2025.2544331>

Conceptualization

- | | |
|---|--|
| <input checked="" type="checkbox"/> Idea generation | <input checked="" type="checkbox"/> Feasibility assessment and risk evaluation |
| <input checked="" type="checkbox"/> Defining the research objective | <input type="checkbox"/> Preliminary hypothesis testing |
| <input checked="" type="checkbox"/> Formulating research questions and hypotheses | |

Literature Review

- | | |
|---|--|
| <input checked="" type="checkbox"/> Literature search and systematization | <input type="checkbox"/> Analysis of market trends and/or patent environment |
| <input checked="" type="checkbox"/> Writing the literature review | <input type="checkbox"/> Evaluation of novelty and identification of gaps |

Methodology

- | | |
|--|--|
| <input checked="" type="checkbox"/> Research design | <input type="checkbox"/> Selection of research methods |
| <input type="checkbox"/> Development of experimental or research protocols | |

Software Development and Automation

- | | |
|--|--|
| <input type="checkbox"/> Code generation | <input checked="" type="checkbox"/> Process automation |
| <input type="checkbox"/> Code optimization | <input checked="" type="checkbox"/> Creation of algorithms for data analysis |

Data Management

- | | |
|--|---|
| <input type="checkbox"/> Data collection | <input checked="" type="checkbox"/> Data analysis |
| <input checked="" type="checkbox"/> Validation | <input type="checkbox"/> Visualization |
| <input type="checkbox"/> Data cleaning | <input type="checkbox"/> Reproducibility testing |
| <input checked="" type="checkbox"/> Data curation and organization | |

Writing and Editing

- | | |
|--|---|
| <input checked="" type="checkbox"/> Text generation | <input checked="" type="checkbox"/> Adapting and adjusting emotional tone |
| <input type="checkbox"/> Proofreading and editing | <input type="checkbox"/> Translation |
| <input checked="" type="checkbox"/> Summarizing text | <input type="checkbox"/> Reformatting |
| <input type="checkbox"/> Formulation of conclusions | <input checked="" type="checkbox"/> Press releases and outreach materials |

Ethics Review

- | | |
|---|--|
| <input checked="" type="checkbox"/> Bias analysis and discrimination assessment | <input checked="" type="checkbox"/> Monitoring compliance with ethical standards |
| <input checked="" type="checkbox"/> Ethical risk analysis | <input type="checkbox"/> Data confidentiality monitoring |

Supervision

- | | |
|---|--|
| <input type="checkbox"/> Quality assessment | <input type="checkbox"/> Recommendations |
| <input type="checkbox"/> Trend identification | <input type="checkbox"/> Publication support |
| <input checked="" type="checkbox"/> Identification of limitations | |

Generative AI tools used: ChatGPT-5.2, Gemini 3 Pro, Claude 4.5 Opus, and Perplexity 12.12.25.

Additional comment #1 The AI was used primarily for refining the code in Section 3, but the algorithm logic was derived manually.

Additional comment #2 This is a second additional comment!

Additional comment: This is a third additional comment! It is starred and, thus, not get a number. also, this comment is longer and, hopefully, will spill to the next line!

Additional comment #3 This is the third non-starred additional comment!

References

- [1] Yana Suchikova et al. “GAIDeT (Generative AI Delegation Taxonomy): A Taxonomy for Humans to Delegate Tasks to Generative Artificial Intelligence in Scientific Research and Publishing”. In: *Accountability in Research* (2025), pp. 1–27. DOI: [10.1080/08989621.2025.2544331](https://doi.org/10.1080/08989621.2025.2544331).