The `aidisclose` package

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Abstract

The `aidisclose` package provides a standardized, transparent mechanism for declaring the use of Generative Artificial Intelligence (GAI) tools in academic, technical, and professional documents. It implements the *GAIDeT (Generative AI Delegation Taxonomy)* [2] and automates the creation of disclosure statements and checklists. The package is supported by a companion website at `https://aidisclose.org`, which allows interactive generation of the LaTeX code to add to your document.

Contents

1 Introduction

`aidisclose` is designed to support emerging ethical, institutional, and publisher requirements concerning AI-assisted content creation. It allows authors to:

- Select specific tasks delegated to Generative AI (GAI) from the GAIDeT taxonomy [2] (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/chapter.
- Automatically handle citations for the taxonomy and the package itself.

Companion web generator

A companion web interface is available at `https://aidisclose.org`. *It provides an interactive generator for* `aidisclose`*-based Generative AI disclosure statements, following the GAIDeT taxonomy [2].*

The website can be used to (i) select delegated tasks, (ii) declare GAI tools (or explicitly declare none), (iii) add multiple numbered or unnumbered comments (with reordering and numbering preview), and (iv) generate either a complete minimal LaTeX document or a ready-to-paste configuration snippet. The generated code can be copied to the clipboard and incorporated into your manuscript.

2 Package Loading and Options

Load the package in your document preamble:

```
\usepackage[<options>]{aidisclose}
```

2.1 Options

The package currently supports the following key-value options:

`autobib=true|false` (Default: `true`)
: When enabled, the package automatically:

  1. Writes a `aidisclose.bib` file containing the references for GAIDeT [2] and this package [1].
  2. Loads this bibliography resource (compatible with `biblatex` and standard `BibTeX`).

  Set this to `false` if you wish to manage these citations manually in your own `.bib` file.

`nocite=true|false` (Default: `true`)
: This option only affects the Generative AI disclosure statement: When disabled, the package automatically:

  1. Add citations to the GAIDeT taxonomy paper [2] and the aidisclose manual [1].

  Set this to `false` if you are willing to give credit to the authors.

3 Internationalization

The package automatically detects the document language (via `babel` or `polyglossia`) and loads the corresponding translation file (`.ldf`).

Currently (v1.6.1) Supported Languages:

- English (`en`) — Default
- Portuguese (`pt`)
- Spanish (`es`)
- French (`fr`)
- German (`de`)
- Italian (`it`)
- Dutch (`nl`)
- Danish (`dk`)
- Greek (`gr`)
- Czech (`cz`)
- Polish (`pl`)
- Slovak (`sk`)
- Ukrainian (`uk`)
- Catalan (`cat`)

If the detected language is not supported, the package falls back to English.

4 Usage

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

4.1 Configuration

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

Tip (Interactive Generator): You can use the companion website https://aidisclose.org to visually select tasks and tools. The website will automatically generate the configuration code (the `\GAIactivate` and `\GAItoolsUsed` commands) which you can simply copy and paste into your document.

4.1.1 Activating Taxonomy Items

Use `\GAIactivate{}` to check specific items in the taxonomy. See Section 5 for all available keys.

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

4.1.2 Specifying Tools

Use `\GAItoolsUsed{}` to list the AI tools employed. The package handles formatting (singular/plural) automatically.

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

% Example 2: Multiple tools
\GAItoolsUsed{ChatGPT-4, Gemini Advanced, Claude 3}
```

4.1.3 Adding Comments

Use the `GAIcomment` (numbered) and `GAIcomment*` (unnumbered) environments for details. Comments may contain multiple paragraphs.

```
\begin{GAIcomment}
The AI was used primarily for refining the code in Section 3.
\end{GAIcomment}
```

```
\begin{GAIcomment*}
No GAI tools were used for data analysis.
\end{GAIcomment*}
```

4.1.4 Customizing the Title

Change the default section title and hierarchy level using `\GAIdiscloseTitle`.

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

- **section-level**: Defaults to `\chapter` if defined, otherwise `\section`.

4.1.5 Visual Customization

- **Checkmark Symbol:** `\GAIsetCheckmarkSymbol{\texttimes}` (default is `\checkmark`).
- **Font Size:** `\GAIsetChecklistFontSize{\small}` (default is `\smaller`, meaning: *slightly smaller than the current font size*).

4.2 Rendering the Declaration

Place the `\GAIrenderDeclaration` command where you want the disclosure to appear (e.g., after the Conclusion or before References).

```
\GAIrenderDeclaration[<columns>]{<authors>}
\GAIrenderDeclaration*[<columns>]{<authors>}
```

- **Star variant (*):** Renders the checklist *without* the section heading.
- **<columns>:** Number of columns for the checklist (default: 3).
- **<authors>:** Comma-separated list of (document) authors declaring the use of AI.

5 Taxonomy Keys

Use these keys with `\GAIactivate{}`. Derived from the GAIDeT taxonomy [2].

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
	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
	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
	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

6 Example Output

Below is an example of a rendered declaration. The configuration used is:

```
% Configuration
\GAIactivate{c:idea}
\GAIactivate{c:rq}
\GAIactivate{l:search}
\GAIactivate{l:write}
\GAIactivate{s:auto}
\GAIactivate{d:analyze}
\GAIactivate{w:summarize}
\GAIactivate{w:reformat}

\GAItoolsUsed{ChatGPT-4o, Gemini 1.5 Pro, GitHub Copilot}

\begin{GAIcomment}
AI was used for refining code structure in Section~4.
\end{GAIcomment}
```

References

[1] João M. Lourenço. *The* `aidisclose` *package: Generative AI disclosure checklist and statements*. Version 1.6.1. 2025. URL: https://ctan.org/pkg/aidisclose.

[2] 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.

A Disclosure of Delegation to Generative Artificial Intelligence

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

Conceptualization

- ☐ Idea generation
- ☐ Defining the research objective
- ☑ Formulating research questions and hypotheses
- ☑ Feasibility assessment and risk evaluation
- ☑ Preliminary hypothesis testing

Literature Review

- ☑ Literature search and systematization
- ☑ Writing the literature review
- ☐ Analysis of market trends and/or patent environment
- ☐ Evaluation of novelty and identification of gaps

Methodology

- ☐ Research design
- ☐ Development of experimental or research protocols
- ☐ Selection of research methods

Software Development and Automation

- ☐ Code generation
- ☐ Code optimization
- ☑ Process automation
- ☐ Creation of algorithms for data analysis

Data Management

- ☐ Data collection
- ☑ Validation
- ☐ Data cleaning
- ☐ Data curation and organization
- ☑ Data analysis
- ☐ Visualization
- ☐ Reproducibility testing

Writing and Editing

- ☐ Text generation
- ☐ Proofreading and editing
- ☑ Summarizing text
- ☐ Formulation of conclusions
- ☐ Adapting and adjusting emotional tone
- ☐ Translation
- ☑ Reformatting
- ☐ Press releases and outreach materials

Ethics Review

- ☐ Bias analysis and discrimination assessment
- ☐ Ethical risk analysis
- ☐ Monitoring compliance with ethical standards
- ☐ Data confidentiality monitoring

Supervision

- ☐ Quality assessment
- ☐ Trend identification
- ☐ Identification of limitations
- ☐ Recommendations
- ☐ Publication support

Generative AI tools used: No Generative AI tools were declared.

Additional comment #1: AI was used for refining code structure in Section 4.