

The `aidisclose` package

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

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1 Introduction

`aidisclose` is a L^AT_EX 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 [2].

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.
- Optionally skip automatic section title generation for custom document structures.

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

2.1.3 Adding Comments

The package provides two comment environments: `GAIcomment` (numbered) and `GAIcomment*` (unnumbered).

```
% Numbered comment  
\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 GAI tools were used for data analysis.  
\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 `\chapter` is defined (e.g., in book-like documents), otherwise defaults to `\section`.

You can retrieve the stored titles using:

```
\GAIdiscloseTitleLong % Full title  
\GAIdiscloseTitleShort % Short title
```

2.1.5 Customizing the Checkbox Symbol

You can change the symbol used inside checkboxes with `\GAIsetCheckmarkSymbol{}`. The package automatically recalculates box width to ensure proper alignment.

```
\GAIsetCheckmarkSymbol{\checkmark} % Default  
\GAIsetCheckmarkSymbol{\texttt{x}} % Use x instead
```

2.1.6 Customizing the Font Size

Change the font size used for the checklist:

```
\GAIsetChecklistFontSize{\small}
```

The default is `\smaller`, which means “slightly smaller than current font size”.

2.2 Rendering the Declaration

To print the final declaration, use the `\GAIrenderDeclaration` command at the desired location in your document. For papers/articles, you may place it before or after the references. For theses/dissertations, please follow your institution’s guidelines.

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

- **Star variant** (`\GAIrenderDeclaration*`): Renders the disclosure **without** the automatic section title. Use this when you want to manage the heading yourself.
- **Optional Argument** ([`<columns>`]): The number of columns used for the checklist. The default is 3.
- **Mandatory Argument** ({`<authors>`}): A comma-separated list of author names submitting the declaration.

Examples:

```
% Standard form with automatic title
\GAIrenderDeclaration[3]{Jane Doe, John Smith}

% Starred form without title (custom section)
\section*{AI Disclosure Statement}
\label{sec:ai-disclosure}
\GAIrenderDeclaration*[2]{Jane Doe, John Smith}

% Single column layout
\GAIrenderDeclaration[1]{Mary Johnson}
```

3 Taxonomy Keys

The following keys correspond to the specific tasks defined in the GAIDeT taxonomy [2]. 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
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

4 Declaração de Delegação a Inteligência Artificial Generativa

Jane Doe, John Doe, e Mary Doe declararam¹ a utilização de IA Generativa no trabalho de investigação e processo de escrita deste documento. De acordo com a taxonomia GAIDeT [2], as seguintes tarefas foram delegadas a ferramentas de IA Generativa sob total supervisão humana:

Concretualização

- | | | |
|---|--|---|
| <input checked="" type="checkbox"/> Geração de ideias | <input checked="" type="checkbox"/> Formulação de questões de investigação e hipóteses | <input checked="" type="checkbox"/> Avaliação de viabilidade e análise de risco |
| <input checked="" type="checkbox"/> Definição do objetivo de investigação | | <input type="checkbox"/> Teste preliminar de hipóteses |

Revisão de Literatura

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> Pesquisa e sistematização de literatura | <input type="checkbox"/> Análise de tendências de mercado e/ou ambiente de patentes | <input type="checkbox"/> Avaliação de novidade e identificação de lacunas |
| <input checked="" type="checkbox"/> Escrita da revisão de literatura | | |

Metodologia

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> Desenho de investigação | <input type="checkbox"/> Desenvolvimento de protocolos experimentais ou de investigação | <input type="checkbox"/> Seleção de métodos de investigação |
|---|---|---|

Desenvolvimento de Software e Automação

- | | | |
|---|--|---|
| <input type="checkbox"/> Geração de código | <input checked="" type="checkbox"/> Automação de processos | <input checked="" type="checkbox"/> Criação de algoritmos para análise de dados |
| <input type="checkbox"/> Otimização de código | | |

Gestão de Dados

- | | | |
|---|--|---|
| <input type="checkbox"/> Recolha de dados | <input checked="" type="checkbox"/> Curadoria e organização de dados | <input type="checkbox"/> Visualização |
| <input checked="" type="checkbox"/> Validação | <input checked="" type="checkbox"/> Análise de dados | <input type="checkbox"/> Teste de reproduzibilidade |
| <input type="checkbox"/> Limpeza de dados | | |

¹Esta declaração foi gerada usando o pacote L^AT_EX `aidisclose` package [1].

Escrita e Edição

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> Geração de texto | <input type="checkbox"/> Formulação de conclusões | <input type="checkbox"/> Reformatação |
| <input type="checkbox"/> Revisão e edição | <input checked="" type="checkbox"/> Adaptação e ajuste de tom emocional | <input checked="" type="checkbox"/> Comunicados de imprensa e materiais de divulgação |
| <input checked="" type="checkbox"/> Resumo de texto | <input type="checkbox"/> Tradução | |

Revisão Ética

- | | | |
|--|--|--|
| <input checked="" type="checkbox"/> Análise de viés e avaliação de discriminação | <input checked="" type="checkbox"/> Análise de risco ético | <input type="checkbox"/> Monitorização de confidencialidade de dados |
| | <input checked="" type="checkbox"/> Monitorização de conformidade com padrões éticos | |

Supervisão

- | | | |
|--|---|---|
| <input type="checkbox"/> Avaliação de qualidade | <input checked="" type="checkbox"/> Identificação de limitações | <input type="checkbox"/> Recomendações |
| <input type="checkbox"/> Identificação de tendências | | <input type="checkbox"/> Apoio à publicação |

Ferramentas de IA Generativa utilizadas: ChatGPT-5.2, Gemini 3 Pro, Claude 4.5 Opus, ePerplexity 12.12.25.

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

Comentário adicional#2 This is a second additional comment!

Comentário adicional This is a third additional comment! It is starred and, thus, does not get a number. Also, this comment is longer and, hopefully, will span to the next line!

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

Referências

- [1] João M. Lourenço. *The aidisclose package: Generative AI disclosure checklist and statements*. Version 1.5.2. 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”. Em: *Accountability in Research* (2025), pp. 1–27. doi: [10.1080/08989621.2025.2544331](https://doi.org/10.1080/08989621.2025.2544331).