Welcome to the survey: Shaping the Future of AI in Academic Writing!

New developments in the field of artificial intelligence will radically change academic writing and study. By participating in this survey, you have the opportunity to influence these changes. Because only if it is known, whether, how and why AI writing tools are used by students, can universities respond with support offerings and adapted forms of examination. The aim of this survey is therefore to collect your experiences with AI writing tools in order to better adapt teaching and study to student needs.

An important clarification of terms in advance: Unless explicitly indicated, we use the term AI writing tool for AI applications like ChatGPT or related tools that generate new content. (So, we do not mean AI tools like DeepL, Grammarly etc., which translate or correct existing texts, unless explicitly mentioned).

Filling out the questionnaire will take approximately 15 minutes.

Your participation in this survey is, of course, voluntary. All data collected will be evaluated according to current data protection regulations.

We thank you very much for your time and look forward to your responses! If you have any questions, please do not hesitate to contact us.

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How do you think AI writing tools will impact your studies?

- Positively
- Negatively
- Not at all
- Not specified
Before we ask you about AI writing tools in particular, we would first like to hear about your general views on academic writing.
Please rate the following statements (1/2):

I can set myself specific writing goals

<table>
<thead>
<tr>
<th>Completely applies</th>
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<th>Rather applies</th>
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I can organize my ideas even when I work on a complex topic.

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<th>Completely applies</th>
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<th>Rather does not apply</th>
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I can motivate myself to start writing.

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<th>Completely applies</th>
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I can solve problems which occur during writing.

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<th>Completely applies</th>
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<th>Rather does not apply</th>
<th>Mostly does not apply</th>
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I can concentrate on writing.

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<th>Rather does not apply</th>
<th>Mostly does not apply</th>
<th>Does not apply at all</th>
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I can use my time for writing effectively.

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</table>
Before we ask you about AI writing tools in particular, we would first like to hear about your general views on academic writing.
Please rate the following statements (2/2):

<table>
<thead>
<tr>
<th>Statement</th>
<th>Rating Options</th>
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| I can change my writing strategy if I recognize that I am not successful. | Completely applies
|                                                                           | Mostly applies
|                                                                           | Rather applies
|                                                                           | Rather does not apply
|                                                                           | Mostly does not apply
|                                                                           | Does not apply at all
|                                                                           | Not specified                                                                   |
| I can meet the criteria for text quality I set myself.                     | Completely applies
|                                                                           | Mostly applies
|                                                                           | Rather applies
|                                                                           | Rather does not apply
|                                                                           | Mostly does not apply
|                                                                           | Does not apply at all
|                                                                           | Not specified                                                                   |
| I can realistically assess my progress when writing.                       | Completely applies
|                                                                           | Mostly applies
|                                                                           | Rather applies
|                                                                           | Rather does not apply
|                                                                           | Mostly does not apply
|                                                                           | Does not apply at all
|                                                                           | Not specified                                                                   |
| I can avoid repeating an error.                                            | Completely applies
|                                                                           | Mostly applies
|                                                                           | Rather applies
|                                                                           | Rather does not apply
|                                                                           | Mostly does not apply
|                                                                           | Does not apply at all
|                                                                           | Not specified                                                                   |
Have you already used a text-generating AI writing tool like ChatGPT (in any context)?
Please select one or multiple answer options.

- Yes, I have already used ChatGPT.
- Yes, I have already used another AI writing tool (e.g., jenni.ai, copy.ai, Jasper, Open Assistant...).
- No, I have never used an AI writing tool.
- Not specified

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**I feel like I have my own style in academic writing.**

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<th>Completely applies</th>
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<tr>
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</table>

| Not specified |

**It is important to me to write texts in my own words.**

<table>
<thead>
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</table>

| Not specified |

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**2 Active Filter(s)**

**Filter F303/F1**

If any of the following options is selected: 1, 2

Then hide the questionnaire page(s) 10 (otherwise display them)

**Filter F303/F2**

If any of the following options is selected: 3

Then hide the questionnaire page(s) 6, 7, 8, 12, 13, 14, 15, 16 (otherwise display them)
The following questions refer to AI applications like ChatGPT that generate new content. They do not refer to tools like DeepL, Grammarly, etc. that translate or correct existing text.

In what language(s) have you had AI writing tools like ChatGPT generate text?
Please select one or multiple answer options.

☐ German
☐ English
☐ Other

☐ Not specified
Have you used an AI writing tool in your studies?
Please select one answer option.

- Yes
- No
- Not specified

1 Active Filter(s)
Filter F305/F1
If any of the following options is selected: 2
Then hide the questionnaire page(s) 8, 10, 13, 15 (otherwise display them)

Have you already used an AI writing tool for private uses?
Please select one answer option.

- Yes
- No
- Not specified

Have you used an AI writing tool professionally?
Please select one answer option.

- Yes
- No
- Not specified
The following questions refer to AI applications like ChatGPT that generate new content. They do not refer to tools like DeepL, Grammarly, etc. that translate or correct existing text.

For what purposes did you use an AI writing tool when writing for university?
Please select one or multiple answer options.

- Generate research questions
- Find sources
- Summarize sources
- Analyze (raw) data
- Translate sources
- Develop an outline
- Develop arguments
- Formulate my notes as complete sentences or paragraphs
- Correct my text on the content level
- Improve my text on the language level
- Translate my text
- Create a bibliography
- Other

☐ Not specified

Have you ever generated a complete text for a university course using an AI writing tool?
Please select one option.

- Yes
- No

☐ Not specified

How often have you used an AI writing tool for your purposes as stated above in the 2023 summer semester?
Please select one option.

- Never
- Very rarely (less than once a month)
- Rarely (once a month)
- Sometimes (several times a month)
- Often (once a week)
- Very often (several times a week)
- Daily

☐ Not specified
The next question is about AI tools such as DeepL or Grammarly, which do not generate new content but translate or correct existing text. This is the only question about non-generating AI tools.

Have you used other (non-text-generating) AI applications to assist with writing in your studies
Please select one or multiple answer options.

- [ ] No, I have not used any other applications.
- [ ] Yes, for literature research (e.g., Elicit, ResearchRabbit, Semantic Scholar, Connected Papers...).
- [ ] Yes, for text comprehension (e.g., ChatPDF, Explainpaper, ...)
- [ ] Yes, for editing language (e.g., DeepL, DeepL Write, Language Tool, Grammarly, ...)
- [ ] Yes, for other purposes, namely

- [ ] Not specified

As of now, all questions are again related to generative AI writing tools, such as ChatGPT.

Why haven't you worked with an AI writing tool yet?
Please select one or multiple answer options.

- [ ] I did not know that such tools exist.
- [ ] I am not sure how to integrate such tools into my writing process.
- [ ] I have not seen a need to use such tools.
- [ ] I have concerns about using such tools (explanation follows in next question).
- [ ] I lack the technical knowledge to use such tools.
- [ ] Other reasons:

- [ ] Not specified
As of now, all questions are again related to generative AI writing tools, such as ChatGPT.

Do you intend to use or continue to use an AI writing tool for your studies in the future?

- Yes
- No
- I don’t know
- Not specified
Please evaluate the following statements.

AI writing tools are useful in writing academic texts.

The content quality of the texts generated by AI writing tools is high.

The use of AI writing tools is fundamentally unscientific.

I feel competent in the use of AI writing tools.

I have concerns about using AI writing tools in exam contexts.

I am concerned about the security of my (personal) data when using AI writing tools.

I have (other) ethical concerns about using AI writing tools.
The following questions relate to your previous experience with using text-generating AI writing tools for your studies.

Please evaluate the following statements.

I am satisfied with the content quality of the AI-generated outputs.

<table>
<thead>
<tr>
<th>Do not agree at all</th>
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<th>Undecided</th>
<th>Rather agree</th>
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</thead>
</table>

I am satisfied with the linguistic quality of the AI-generated outputs.

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I believe that using AI writing tools improves the quality of my texts.

<table>
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I usually revise the AI-generated outputs before using them for texts in my studies.

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</table>

Formulating prompts (inputs) is easy for me.

<table>
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If I am not satisfied with an output, I try to improve it by rewording prompts.

| Do not agree at all | Rather disagree | Undecided | Rather agree | Fully agree | Not specified |
When you are not satisfied with the outputs of an AI writing tool, what are the reasons?

Please select one or multiple answer options.

- [ ] Imprecision
- [ ] Invented sources
- [ ] Lack of transparency as to where information comes from
- [ ] Incorrect statements
- [ ] Contradictory statements
- [ ] Irrelevant to my writing project
- [ ] Low-quality language or style
- [ ] Other reason, namely

- [ ] I am fully satisfied with the outputs.
- [ ] Not specified

How have AI writing tools helped you with your university writing specifically?

If you like, you can give us more information here. Answering this question is not mandatory, but it helps us immensely.

What do you find particularly difficult about using AI writing tools for university writing?

If you like, you can give us more information here. Answering this question is not mandatory, but it helps us immensely.
To what extent do the following statements apply to you?

I use AI writing tools...

... to save time.

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... to have the content of my text revised.

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... to correct the language of my work.

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... to find new ideas and information for my writing project.

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... because academic writing is difficult for me.

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... to learn how to use the tools.

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... because their use is required.

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... to get inspired.

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... to improve my grades.

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... to reduce my workload.

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<tr>
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... to write texts in a language I don’t know very well

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<th>Undecided</th>
<th>Rather agree</th>
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</table>

*No response / does not apply.*
In how many courses in the 2023 summer semester were you encouraged to use AI writing tools as part of the course?
Please select one option.
- In no course
- In one course
- In two courses
- In three courses
- In more than three courses
- Not specified

In how many courses in the 2023 summer semester were you prohibited from using AI writing tools as part of the course?
Please select one option.
- In no course
- In one course
- In two courses
- In three courses
- In more than three courses
- Not specified

Are there any regulations at your college/university regarding the use of AI writing tools?
Please select one or multiple answer options.
- Yes, there are university-wide regulations.
- Yes, there are regulations specific to my program or department.
- Yes, lecturers have regulated the use individually.
- No, there are no regulations at all.
- I do not know.
- Not specified

1 Active Filter(s)
Filter F603/F1
If any of the following options is selected: 1, 2
Then display question/text F604 placed later in the questionnaire (otherwise hide)
What are the regulations at your college/university regarding the use of AI writing tools?

Please select one answer option.

- Al-generated text may be used without restriction.
- Al-generated text may be used with attribution.
- Al-generated text may only be used for specific purposes.
- Al-generated text may not be used.
- Other, namely

○ Not specified
In which country are you studying regularly?
Please select one option.

- Germany
- Austria
- Switzerland
- Not specified

Which college/university are you attending?
Type in the name of your college/university to receive suggestions.

- Not specified

What degree are you currently pursuing?
Please select one or multiple answer options.

- Bachelor (B.A / B.Sc)
- Master (M.A / M. Sc / MBA)
- Magister or Diplom
- Teaching degree
- State examination
- Doctorate
- Other
- Not specified

1 Active Filter(s)
Filter F703/F1
If any of the following options is selected: 1, 2, 3, 4, 5
Then display question/text F705 placed later in the questionnaire (otherwise hide)
In what larger field of study is your current study program?
Please select one option.

- Linguistics and cultural studies
- Theology, Ethics/Philosophy
- Psychology
- Sports science, sports pedagogy
- Social and educational sciences
- Law
- Economics
- Mathematics
- Computer science
- Natural sciences
- Medicine / Health Sciences
- Agricultural, forestry, nutritional sciences
- Engineering
- Art, Fine Art, Music
- Other

☐ Not specified

---

In which university semester (total study time) are you?
Please enter your semester as a whole number.

---

How would you rate your academic performance in comparison to your fellow students?
Please select one option.

- below average
- average
- Above average

☐ Not specified
Have you used any extracurricular offers from your university for dealing with AI tools in the 2023 summer semester?
Please select one option.
- Yes
- No
- Not specified

Have you used, at any point in your studies, extracurricular offers from your university that support academic writing (e.g., writing center, writing consultation, workshops, extracurricular tutorials...)?
Please select one option.
- Yes
- No
- Not specified

Do you currently work in a writing didactic institution (writing center), or have you worked in one before (e.g., as a writing consultant or peer tutor, a writing fellow, or with a similar activity in writing consulting or writing didactics)?
Please select one option.
- Yes
- No
- Not specified
Almost there!

We appreciate your openness and time invested in sharing your personal experiences and opinions with us. In the next section, we would like to learn some demographic information from you. This data will be used for statistical purposes only and will help us better understand and interpret the results of this survey.

In which year were you born?
Please enter your year of birth (example: 1997)

Year of birth:    

Please enter your gender.
Please select one option.

- Masculine
- Feminine
- Miscellaneous
- Not specified

For you, German is a...
Please select one option.

- First language (i.e., the first language you spoke).
  Second language (i.e., a language you use in everyday life and know very well, but which is not your first language).
- Foreign language
- Not specified

What is the highest level of education either of your parents has achieved?
Please select one option.

- Elementary school/secondary school (at least 8th grade)
- Secondary school certificate (10th grade)
- Abitur, A-Levels, or other higher education entrance qualification
- University degree
- Doctorate
- No degree (less than 8th grade)
- Not specified
Where were your parents born?
Please select one option.

- Both outside of Germany
- One parent outside of Germany
- Both in the country where you are now studying
- Not specified

What support do you think stakeholders at universities (e.g., university administrators, writing centers, professors/lecturers) should give students regarding the use of AI tools in academic writing?

If you like, you can give us more information here. Answering this question is not mandatory, but it helps us immensely.

Is there anything else you would like to say about AI writing tools?

If you like, you can give us more information here. Answering this question is not mandatory, but it helps us immensely.

Thank you very much for your participation!

We would like to sincerely thank you for your assistance in enabling our research. The future of AI in education is and will continue to be an exciting field of research.

If you have any questions or suggestions, please feel free to contact us: Nora Hoffmann (n.hoffmann@em.uni-frankfurt.de), Helena Grünebaum (gruenebaum@em.uni-frankfurt.de), Alexander Kaib (akaib@em.uni-frankfurt.de), and Simon Kamps (simon.kamps@stud.srh-campus-dresden.de).

Your responses have been saved. You may now close the browser window.