
Guidelines on using Generative AI

- Clearly indicate which (G)AI tools you used, if any. Make acknowledgements section and write what AI was used and where. Example - *“Acknowledgements: ChatGPT was used to generate the first draft of the abstract of this paper. DeepL was used to improve the Conclusion section of the paper. We take responsibility for all text used in this paper.”*
- Relevant examples:
 - using ChatGPT to summarise academic papers you find hard to understand
 - using ChatGPT to write the abstract of your paper
 - using ChatGPT to generate sample code to use in an experiment
 - using DeepL to improve your English and articulation
 - using DeepL to translate parts of the paper from your native language, if you struggle with English
 - using Dall-E or Midjourney to generate images for experiments
- When generating abstract use generated text as a first draft and modify it. Don't use 'fancy words' that you don't understand - adjust wording if too wordy, too “Shakespearean”.
- It is allowed to use DeepL for better articulation, but don't overdo it. **Don't let the tool change your message.**
- Don't input personal data or proprietary content when using chatgpt or other GAI so that other users can't see it. This is due to AI's using data to train their models.
- If AI was used for generating code, in the it has to be clearly stated which code was created by chat got, what prompt was used and what was the answer.

```
\printbibliography[title=References] %name your bibliography here

\appendix

\chapter{Transcript ChatGPT}

\paragraph{Prompt:} Write two code snippets, both in Java. The first one implements quick sort.

\paragraph{Answer:}
Certainly! Below are two Java code snippets, one for Bubble Sort and the other for Quick Sort.

\begin{listing}
### Bubble Sort:

...java
public class BubbleSort {

    public static void main(String[] args) {
        int[] array = {64, 34, 25, 12, 22, 11, 90};
        bubbleSort(array);

        System.out.println("Sorted array:");
        for (int value : array) {
            System.out.print(value + " ");
        }
    }

    static void bubbleSort(int[] arr) {
        int n = arr.length;
        for (int i = 0; i < n-1; i++) {
            for (int j = 0; j < n-1-i; j++) {
                if (arr[j] > arr[j+1]) {
                    // swap temp and arr[i]
                    int temp = arr[j];
                    arr[j] = arr[j+1];
                    arr[j+1] = temp;
                }
            }
        }
    }
}
...

```

Appendix A

Transcript ChatGPT

Prompt: Write two code snippets, both in Java. The first one implements bubble sort, the second implements quick sort.

Answer: Certainly! Below are two Java code snippets, one for Bubble Sort and the other for Quick Sort:

```
### Bubble Sort:

...java
public class BubbleSort {

    public static void main(String[] args) {
        int[] array = {64, 34, 25, 12, 22, 11, 90};
        bubbleSort(array);

        System.out.println("Sorted array:");
        for (int value : array) {
            System.out.print(value + " ");
        }
    }

    static void bubbleSort(int[] arr) {
        int n = arr.length;
        for (int i = 0; i < n-1; i++) {
            for (int j = 0; j < n-1-i; j++) {
                if (arr[j] > arr[j+1]) {
                    // swap temp and arr[i]
                    int temp = arr[j];
                    arr[j] = arr[j+1];
                    arr[j+1] = temp;
                }
            }
        }
    }
}
...

```

Example

When generating text with AI it is necessary to avoid Emotive language - expressions that are trying to evoke emotions in the reader. Example - *“In an era dominated by digital advancements”, “sparked profound concerns”, “boundaries between reality and simulation blur”*. We should only do this when trying to sell a product, call for action on a cause, inspire change or get attention - not for a research paper.

When generating text using AI it is important to look out for wrong synonyms. Example “Ensuing” is not a synonymous to “Following” or “next” even though GAI might think otherwise.

Examples of rewriting AI generated text:

Generated

In an era dominated by digital advancements, the rise of deepfake technology has sparked profound concerns about its potential impact on democratic foundations.

As the boundaries between reality and simulation blur, the question looms large: Can deepfakes threaten democracy?

This article delves into the intricate web of technological sophistication and societal vulnerability, examining the multifaceted ways in which deepfakes may pose a threat to the very essence of democratic processes. From political manipulation to the erosion of public trust, the implications of deepfake technology on the democratic landscape are explored, shedding light on the urgent need for awareness, regulation, and proactive measures to safeguard the integrity of our democratic institutions.

110 words

Our text

Deepfakes are a form of media (often videos, but also images and audio) that has been digitally manipulated to show a person doing or saying something that they didn't do.

Image manipulation exists since the 19th century, but since the 1990's, deepfake technology has been advancing thanks to the use of computers, and later AI (Harwell, 2019). This has led researchers and public figures to raise concerns about the potential misuse of the technology by spreading false or misleading videos of political figures (Vaccari and Chadwick, 2020).

This paper addresses these concerns by focusing on the potential impact of deepfakes on the trust in democratic institutions in the West.

We run an online experiment to determine whether deepfakes undermine public trust, and to what extent this is due to political manipulation by state actors.

68

128 words

Generated

In an era dominated by digital advancements, the rise of deepfake technology has sparked profound concerns about its potential impact on democratic foundations.

As the boundaries between reality and simulation blur, the question looms large: Can deepfakes threaten democracy?

This article delves into the intricate web of technological sophistication and societal vulnerability, examining the multifaceted ways in which deepfakes may pose a threat to the very essence of democratic processes. From political manipulation to the erosion of public trust, the implications of deepfake technology on the democratic landscape are explored, shedding light on the urgent need for awareness, regulation, and proactive measures to safeguard the integrity of our democratic institutions.

110 words

Our text

Image manipulation exists since the 19th century, but since the 1990's, deepfake technology has been advancing thanks to the use of computers, and later AI (Harwell, 2019). This has led researchers and public figures to raise concerns about the potential misuse of the technology by spreading false or misleading videos of political figures (Vaccari and Chadwick, 2020).

This paper addresses these concerns by focusing on the potential impact of deepfakes on the trust in democratic institutions in the West.

70

73 words

List of redundant or imprecise words

Because the issues of unclear writing are old, we have many lists that help us look out for unnecessary words. Here are some of them, including newer ChatGPT examples.

Don't use	Use	Don't use	Use
Utilize	Use	Embark on [...]	Explore/focus on/investigate
Based on the fact that	Because	Delve into	Explore/focus on/investigate
Fact	Evidence	Shed light on	Explore/focus on/investigate
A majority of	Most	Belies a complexity	Is complex
A great number of times	Often	Dynamic shift	Shift
Despite the fact that	Although	The surprising revelations	The results
In other words	Thus/Therefore	The nuanced ways	The ways
Imperative / Pivotal	Important	Systematically examines	Examines
It is of utmost importance	It is important	Instigated	Caused
Intricacies of	Aspects of	Increasing constantly	Increasing
Entirely without	Without	Seemingly mundane	Mundane
The discernible contrast	The contrast	Holds significance in	Is important for

List of redundant or imprecise words (2)

And more...

Don't use	Use	Don't use	Use
It is graphically denoted	It is shown	The fundamental concept	The concept
Clear delineation between	Difference between	This subsection unravels	This subsection explains
Tangible advantages	Advantages	Scripts were deployed	Scripts were used
Is significantly faster	Is faster (by ...)	Leveraging the dataset	Using the dataset
Performance encapsulates	Performance is defined as	Deliberately chosen	Chosen
Elucidate	Explain	Efficiently communicating	Communicating
Programmatically	Automatically / with a script	Comprehensive analysis	Analysis
Much greater than	Greater than	Targeted investigation	Investigation
The evolution of AI	The development of AI	Orchestrating the experiment	Conducting an experiment
A significant surge	A steep rise	Initial expenditure	Initial cost
Whilst/Shalt/Amidst	While/Shell/Amid	Underscores	Provides evidence for
Which subsequently answers	Which answers	Valuable insights	Insights

List of colloquial words / expressions

And if you still work on your formal English OR use the “explain it like I’m 10 years old” prompts, here is a list of expressions that are unfit for professional writing:

Don't use	Use	Don't use	Use
You can clearly see that	The [graph, data] show(s) that	We decided to try out an experiment	We conducted an experiment
Til, 'til, till	Until	Also, the literature concludes	In addition, the literature concludes
It was a bit difficult	It was difficult	This paper is going to talk about	This paper will discuss
Isn't, can't, won't,...	Is not, cannot, will not,...	We will check	We then determine
The findings sort of show that	The findings show that [...], but [...]	We want to find out	We investigate
So, we can say that	We can therefore conclude that	Has come a long way	Has improved
Besides, none of the respondents were above 40	No respondent was older than 40 years old	Knowing your ways around the computer	Experience with computers
Only time will tell	The outcome is unclear	First of all,	First,
These numbers are just a drop in the ocean	These numbers are low	Last but not least,	Lastly,