**Google – Gemini AI**

(previously Google Bard)

**Link:** <https://ai.google/>

**Addressing Key Questions**

**Learning Enhancement not replacement**

Gemini AI should not be used to replace learning. Instead consider how it can enhance your learning by helping you with tasks like brainstorming, problem-solving, and researching. Here are some useful examples:

* Translating sources not in your first language
* Tabulating raw data
* Generating a list of evaluating questions that might be helpful for you to choose in your work.

**Feedback and Insights**

Gemini AI does not give direct feedback, but interacting with it can stimulate critical thinking and prompt new avenues of exploration, contributing to your learning process.

**Task Understanding**

Gemini's ability to understand tasks depends on the prompts you give it. Clear questions and instructions will generate more relevant responses. Be aware that this tool can misunderstand and provide misinformation in which cases it is important to produce feedback which will help the AI learn and aim to avoid making that mistake in future searches.

**Tool Selection**

There are many different types of tools that are available with Gemini AI including answering queries and summarizing articles and web pages. Gemini AI also offers tools to help with writing and learning code in many different programming languages.

**Accuracy and Sourcing**

Gemini AI draws its data from a public dataset and was trained using 1.56 trillion words with more than 140million monthly users constantly adding information. It is crucial to verify information from authoritative sources independently as not all the data in the training model may be factually correct and may well include bias.

**Data Sources and Privacy**

The data collected by the AI includes user data which can be stored for up to 3 years. This can include language, devices, and locations.

**Ownership and Attribution**

While Gemini aids in generating content, the responsibility for using the output ethically and responsibly rests with the user.

**Legal and Ethical Considerations**

It is important to ensure that the information sourced from Gemini AI complies with legal and ethical standards, avoiding plagiarism and copyright infringement.

**Bias and Misinformation**

Like any AI model, Gemini may exhibit biases based on its training data. Users should critically evaluate outputs for accuracy and inclusivity.

**Limitations and Risks**

There are a few limitations with Gemini AI including its limited memory. You have 1000 tokens for chats per session – once that is exceeded, the memory of previous discussions is lost. Gemini AI also has limits depending on initial user input where the generated response will lack details as well as other details that would have been useful to cover.

**Academic Integrity**

Academic assignments and academic research are about learning to create your own connections between different sources, developing analytical abilities, producing original ideas and then being able to communicate these ideas to others – the academic community within which the research sits.

When undertaking academic research we need to adhere to academic standards of practice. Part of this practice is academic integrity. Academic integrity is based on the ability to communicate in a transparent way how ideas and findings have been arrived at, and this includes the attribution of others’ ideas to them through referencing. First and foremost, academic integrity is about honesty.

If using Artificial Intelligence in your academic work, you must be sure how AI is permitted to be used on your module (if applicable) and how to reference it appropriately. Likewise, to ensure that you maintain academic integrity, a good check of whether the work is still your own if you have used Artificial Intelligence, is to see if you can explain ideas and methods as they appear in the final piece of work. If not, then you do not have sufficient authorship of the research or assignment, and you may want to go back to ensure that your ideas are correctly represented.