

## CS410 FALL 2023 PROJECT Testing Data

The textual spotlight is a Chrome extension designed to enhance the browsing experience by leveraging the capabilities of large language models (LLMs) for contextual understanding of web pages text.

The testing data for this project compares the performances of several leading LLMs—specifically Openai, Cohere, and Llama. The primary focus of this comparative analysis is to examine how each model responds to the same user input and to evaluate the response's relevancy.

Input	Output	Action	Model	Cosine Similarity
The human leukocyte antigen (HLA) region, located within the major histocompatibility complex (MHC) on chromosome 6, is unique with respect to its concentration of population-specific genetic polymorphisms and extended linkage disequilibrium.	The HLA region, found in the MHC on chromosome 6, has a high amount of unique genetic variations specific to different populations, and these variations are found close together.	Explain	Openai - GPT4	92%
	Sure! Here is a concise and easy-to-understand version of your provided text: The human leukocyte antigen (HLA) region is located in the major histocompatibility complex (MHC) on chromosome 6. This region is notable for its high concentration of genetic variations that are specific to particular populations, as well as for its extended linkage disequilibrium. Would you like me to expand on any of the terms used in this explanation?	Explain	Cohere - Command	94%

	<p>Sure thing! Here's the paraphrased text, direct and concise:</p> <p>"The HLA region on chromosome 6 has more genetic variations specific to certain populations and longer stretches of connected genes than other parts of the genome."</p>	Explain	LLama - 13B chat	63%
<i>Work in progress ...</i>				