

# Turnitin Artificial Intelligence Detection

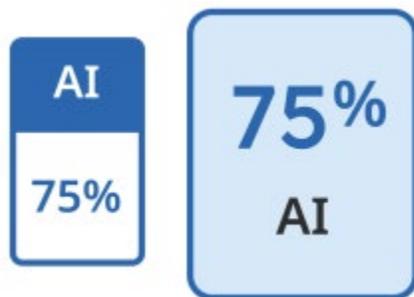
**2023 April 4th**

## **AI Writing Detection**

Turnitin is excited to release our new AI writing detection capabilities. It is available for all non-student users who can access Similarity Reports, as well as those using them through an integration with a learning management system or Turnitin's Core API.

AI detection will only work for content submitted in English. It will not process any non-English submissions. As we continue to iterate, we will keep you updated on developments around non-English language support.

When you open a Similarity Report, the new AI writing indicator in the side panel. After a short period of processing, the indicator will display one of three potential states:



Blue with a percentage between 0 and 100: The submission has processed successfully. The displayed percentage that indicates the amount of qualifying text within the submission that Turnitin's AI writing detection model determines (with 98% of precision based on data collected and verified in a controlled lab environment) was generated by AI.

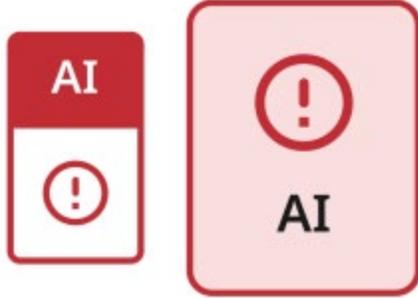
This percentage is not necessarily the percentage of the entire submission. If text within the submission was not considered long-form prose text, it will not be included. To explore the results of the AI writing detection capabilities, select the indicator to open the AI writing report.

The AI writing report opens in a new tab of the window used to launch the Similarity Report. If you have a pop-up blocker installed, ensure it allows Turnitin pop-ups.

Gray with no percentage displayed (- -): The AI writing detection indicator is unable to process this submission. This state means that the AI writing report cannot be opened. This can be due to one, or several, of the following reasons:



- The submission was made before the release of Turnitin’s AI writing detection capabilities. The only way to see the AI writing detection indicator/report on historical submissions is to resubmit them.
- The submission does not meet the file requirements needed to successfully process it for AI writing detection. In order for a submission to generate an AI writing report and percentage, the submission needs to meet the following requirements:
  - File size must be less than 100 MB
  - File must have at least 150 words of prose text in a long-form writing format
  - File must not exceed 15,000 words
  - File must be written in English
  - Accepted file types: .docx, .pdf, .txt, .rtf



Error ( ! ): This error means that Turnitin has failed to process the submission. This state means that the AI writing report cannot be opened. Turnitin is constantly working to improve its service, but unfortunately, events like this can occur. Please try again later. If the file meets all the file requirements stated above, and this error state still shows, [please get in touch through our support center](#) so we can investigate for you.

The AI writing report contains the overall percentage of prose sentences contained in a long-form writing format within the submitted document that Turnitin's AI writing detection model determines was generated by AI. These sentences are highlighted in blue on the submission text in the AI writing report.

## The Goliath of the Sea

The majestic blue whale, the goliath of the sea, certainly stands alone within the animal kingdom for its adaptations beyond its massive size. At 30 meters (98 ft) in length and 190 tons (210 short tons) or more in weight, it is the largest existing animal and the heaviest that has ever existed. Despite their incomparable mass, aggressive hunting in the 1900s by whalers seeking whale oil drove them to the brink of extinction. But there are other reasons for why they are now so endangered.



*Blue-Whale Balaenoptera Musculus*

The blue whale's common name derives from bluish-hue that covers the upper side of its body, while its Latin designation is *Balaenoptera musculus*. The blue whale belongs to the Mysticeti suborder of cetaceans, also known as baleen whales, which means they have fringed plates of fingernail-like material, called baleen, attached to their upper jaws. Blue whales feed almost exclusively on krill, though they also take small numbers of copepods. An adult blue whale can eat up to 40 million krill in a day.

These magnificent beasts used to dominate all the oceans of the Earth up until the late nineteenth

Prose text contained in long-form writing means individual sentences contained in paragraphs that make up a longer piece of written work, such as an essay, a dissertation, or an article, etc. The model does not reliably detect AI-generated text in the form of non-prose, such as poetry, scripts, or code, nor does it detect short-form/unconventional writing such as bullet points, tables, or annotated bibliographies.

This means that a document containing several different writing types would result in a disparity between the percentage and the highlights.

The percentage, generated by Turnitin's AI writing detection model, is different and independent from the similarity score, and the AI writing highlights are not visible in the Similarity Report.

How Turnitin has made this determination is complex. To help our users understand Turnitin's method of detecting AI writing text, we have created an extensive FAQ. [Learn more about how Turnitin detects AI-generated writing.](#)

**Our AI writing assessment is designed to help educators identify text that might be prepared by a generative AI tool. Our AI writing assessment may not always be accurate (it may misidentify both human and AI-generated text) so it should not be used as the sole basis for adverse actions against a student. It takes further scrutiny and human judgment in conjunction with an organization's application of its specific academic policies to determine whether any academic misconduct has occurred.**