

File name: FID-030.txt

Result: PLAGIARISM NOT DETECTED

Plagiarism Detected: 2.87%

Text to analyze:

Machine learning has transformed domains like vision and translation, and is now increasingly used in science, where the correctness of such code is vital. Python is popular for machine learning, in part because of its wealth of machine learning libraries, and is felt to make development faster; however, this dynamic language has less support for error detection at code creation time than tools like Eclipse. This is especially problematic for machine learning: given its statistical nature, code with subtle errors may run and produce results that look plausible but are meaningless. This can vitiate scientific results. We report on Ariadne: applying a static framework, WALA, to machine learning code that uses TensorFlow. We have created static analysis for Python, a type system for tracking tensors-Tensorflow's core data structures-and a data flow analysis to track their usage. We report on how it was built and present some early results.

Sentence: The following sentence: '

Machine learning has transformed domains like vision and translation, and is now increasingly used in science, where the correctness of such code is vital.' does not present plagiarism

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Plagiarized Sentence: The following sentence: ' This can vitiate scientific results.' presents plagiarism from the 'org-004.txt' file and sentence 'Result: Artificial intelligence has already entered the education sector.'

Sentence: The following sentence: 'We report on Ariadne: applying a static framework, WALA, to machine learning code that uses TensorFlow.' does not present plagiarism

Sentence: The following sentence: 'We have created static analysis for Python, a type system for tracking tensors-Tensorflow's core data structures-and a data flow analysis to track their usage.' does not present plagiarism

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