File name: FID-030.txt
Result: PLAGIARISM NOT DETECTED
Plagiarism percentage: 3%

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 analysis:

Original sentence (file FID-030.txt):

' Machine learning has transformed domains like vision and translation, and is now increasingly used in science, where the correctness of such code is vital.'

Original sentence (file FID-030.txt):

'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.'

Original sentence (file FID-030.txt):

'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.'

Plagiarized sentence (file FID-030.txt):

'This can vitiate scientific results.'

Original sentence (file org-061.txt):

'These results are summarized below.'

Original sentence (file FID-030.txt):

'We report on Ariadne: applying a static framework, WALA, to machine learning code that uses TensorFlow.'

Original sentence (file FID-030.txt):

'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.'

Original sentence (file FID-030.txt):

'We report on how it was built and present some early results.'