Clone detection

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0.1 Context

0.2 Learned in this study

0.3 Things to explore

- What is the purpose of studying code clones detection? Is it similar to the goal of being able to compress programs (reduce them to their smallest set of necessary functions)?
  - It allows us to build function libraries based on usage frequency
- Is it possible to construct some sort of truth table based on the properties of code clone types?

1 Overview

Type	Description
?	Identical code
?	Identical code except for whitespace/new line
?	Identical structure, syntax and function called, different argument values
?	Identical structure, syntax and argument values, different function call
?	Identical structure and syntax, different function set called and argument values
?	Different structure, partial similarity in function call order
?	Similar function set called, different order
?	Semantically similar functions (same inputs = same output)

Code	Structure	Syntax	Function called	Argument values	Semantics
=	=	=	=	=	=

2 See also

3 References

- Roy, Chanchal Kumar, and James R. Cordy. "A survey on software clone detection research." Queen's School of Computing TR 541.115 (2007): 64-68.