### Search query per digital Library

1. ACM Digital Library

[[All: "model smell\*"] OR [All: "design smell\*"] OR [All: "bad smell\*"] OR [All: "code smell\*"] OR [All: "design flaw\*"] OR [All: "antipattern\*"] OR [All: "code clone\*"] OR [All: "misuse case\*"]] AND [[All: "detect\*"] OR [All: "predict\*"] OR [All: "identif\*"]] AND [[All: "deep learning"] OR [All: "transfer learning"] OR [All: "representation learning"] OR [All: "cnn"] OR [All: "rnn"] OR [All: "auto-encoder\*"] OR [All: "convolutional neural network\*"] OR [All: "deep neural network\*"] OR [All: "recurrent neural network\*"]] AND [All: software]

113 ---- 19

1. IEEE Xplore

Only 7 \*

(“model smell” OR “design smell” OR “bad smell” OR “code smell” OR “design flaw” OR “antipattern” OR “code clone” OR “misuse case” OR “model smells” OR “design smells” OR “bad smells” OR “code smells” OR “design flaws” OR “antipatterns” OR “code clones” OR “misuse cases”) AND

(“detect\*” OR “predict\*” OR “identif\*”) AND

(“deep learning” OR “transfer learning” OR “representation learning” OR “CNN” OR “RNN” OR “auto-encoder\*” OR “convolutional neural network\*” OR “Deep neural network\*” OR “Recurrent neural network\*”) AND Software

64 --- 34

1. Scopus

## TITLE-ABS-KEY ( ( "model smell\*"  OR  "design smell\*"  OR  "bad smell\*"  OR  "code smell\*"  OR  "design flaw\*"  OR  "antipattern\*"  OR  "code clone\*"  OR  "misuse case\*" )  AND  ( "detect\*"  OR  "predict\*"  OR  "identif\*" )  AND  ( "deep learning"  OR  "transfer learning"  OR  "representation learning"  OR  "CNN"  OR  "RNN"  OR  "auto-encoder\*"  OR  "convolutional neural network\*"  OR  "Deep neural network\*"  OR  "Recurrent neural network\*" )  AND  software )

69 --- 37

1. Science Direct

(“model smell” OR “design smell” OR “bad smell” OR “code smell” OR “design flaw” OR “antipattern” OR “code clone” OR “misuse case”) (“deep learning” OR “Deep neural network”) Software

127 --- 7

1. Springer Link

**2,478** Result(s) for **'(“model smell\*” OR “design smell\*” OR “bad smell\*” OR “code smell\*” OR “design flaw\*” OR “antipattern\*” OR “code clone\*” OR “misuse case\*”) AND (“detect\*” OR “predict\*” OR “identif\*”) AND (“deep learning” OR “transfer learning” OR “representation learning” OR “CNN” OR “RNN” OR “auto-encoder\*” OR “convolutional neural network\*” OR “Deep neural network\*” OR “Recurrent neural network\*”) AND Software'**

**Filter: computer science 547 --- 1**

1. Wiley

26 results for"(“model smell\*” OR “design smell\*” OR “bad smell\*” OR “code smell\*” OR “design flaw\*” OR “antipattern\*” OR “code clone\*” OR “misuse case\*”) AND (“detect\*” OR “predict\*” OR “identif\*”) AND (“deep learning” OR “transfer learning” OR “representation learning” OR “CNN” OR “RNN” OR “auto-encoder\*” OR “convolutional neural network\*” OR “Deep neural network\*” OR “Recurrent neural network\*”) AND Software" anywhere

26 --- 1