

Known errors in file at <http://www.dtic.mil/dtic/tr/fulltext/u2/a480641.pdf>:

1. List of Notations or Symbols, Notation 7 “Frobenius Dot Product” should be “Frobenius Inner Product Operator”, and “Notation 8 “Hadamard Matrix Product” should be “Matrix Hadamard Product Operator”.
2. Abstract, first sentence, the word “families” is used redundantly.
3. Definition 10 (Threshold Set) should read: “Given any ~~feature set F~~ event set E, a threshold set...influence ~~mappings with domain F~~ classification systems with domain E.” Sentence 2 after definition should read “Some types of ...classifiers have a continuous parameter called the spread, such that each setting of this parameter effectively defines a new classifier, given a particular choice of methods for training and testing, and thus a new classification system. (Clarifies it is not important whether only one or even all three functions composed to form a classification system are affected by choices of threshold set parameter values.)
4. Definition 10 (Threshold Set), Sentence 1 after definition text should read: “A threshold set... of interest might also be ~~the~~ a multi-dimensional product set; for example, the Cartesian product...” (Clarifies a threshold set may be the product set of more than two other threshold sets.)
5. Definition 11 (Family of Classification Systems Over a Threshold Set) should read: “...determines the action of a ~~classifier c_theta~~ classification system A_{θ} , a family of classification systems of the form $A_{\theta} = c_{\theta} * p * s$ $A_{\theta} : E \rightarrow L$ over the threshold set...” Final sentence: “Some types of ...classifiers have a continuous parameter called the spread, such that each setting of this parameter effectively defines a new classifier, given a particular choice of methods for training and testing, and thus a new classification system. (Clarifies it is not important whether only one or even all three functions composed to form a classification system are affected by choices of threshold set parameter values.)
6. Definition 18 (ROC Manifold, ROC Curve), phrase “vectors estimates” should be “vector estimates”.
7. Definition 20 (Prevalence Matrix), phrase “Matrix Dot Product Operator” should be “Frobenius Inner Product Operator”. Also, title of the Definition “(Frobenius Dot Product)” should be “(Frobenius Inner Product Operator)”.
8. Definition 21 (Matrix Hadamard Product), phrase “binary Hadamard Matrix Operator” should be “binary Matrix Hadamard Product Operator”. Also, title of the Definition “(Matrix Hadamard Product)” should be “(Matrix Hadamard Product Operator)”.
9. Equation 20, explanation of typical element of matrix of expected values (section appears just below equation) has a subscript “j” applied to the uppercase “P”

which, in turn, is a subscript to the uppercase “W”. There should be no subscript “j” on the “P” here.

10. Chapter IV, page 3, Lachenbruch holdout method description has typo “Actual Error Rrate”; should be “Actual Error Rate”.
11. Chapter IV, Section 4.2 (Beta Distribution Scenario), first sentence, phrase “Cost Regime 1” should be “Cost Regime 1” instead.
12. To be completed...