GRADE DISCRIMINANT FUNCTION IN TWO-CLASS PROBLEMS

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Abstract: The so-called *v-level grade discriminant function* is introduced and its properties are investigated. In particular, its distributions in class 1 and class 2 serve to characterize some natural ordering of discriminant models. Rules defined by comparing the value of a chosen grade discriminant function with constant thresholds are presented as solutions of some discriminant problems (forced and partial). The role of the "sample based" counterparts of the grade discriminant functions in inference based on ranks of discriminant scores is mentioned.

2000 AMS Mathematics Subject Classification: Primary: -; Secondary: -;

Key words and phrases: -

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