

Evaluation of the Classification of Higher Education Institutions by Multiclass Logistic Regression and Entropy

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Abstract— This paper presents evaluation of the classification of higher education institutions by multiclass logistic regression and entropy. We examined the relationship between data item selection and entropy. By examining various item selection situations using real data, we gained insight into item selection and classification evaluation based on the entropy and f1-score of each class.

Keyword— Multiclass, Logistic regression, Eigenvalue distribution, Entropy, Higher education institution.

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