

# A Bootstrap-ANFIS framework for oral cancer prognosis based on clinical and genomic markers

Type: Proceeding Paper

Abstract:

The incidence of oral cancer is high in Malaysia especially for those of Indian ethnic origin. In this research, an oral cancer prognosis prediction model will be developed by using Bootstrap-ANFIS techniques. The aim of this research is to improve the prediction of oral cancer survival and to identify the key clinical and genomic markers for the survival prediction of oral cancer. The proposed model is designed to handle small medical dataset with limitations in terms of time, cost and tissue samples.

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Keyword:

Cancer ; computer bootstrapping ; fuzzy reasoning ; medical computing ; Malaysia ; adaptive network based fuzzy inference system ; bootstrap-ANFIS technique ; clinical markers ; genomic markers ; medical dataset ; oral cancer prognosis ; oral cancer survival prediction

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