# Using Mining Methods of WEKA to Predict Quran Verb Tense and Aspect in Translations from Arabic to English: Experimental Results and Analysis

**Authors :** Jawharah Alasmari

**Abstract :** In verb inflection, tense marks past/present/future action, and aspect marks progressive/continues perfect/completed actions. This usage and meaning of tense and aspect differ in Arabic and English. In this research, we applied data mining methods to test the predictive function of candidate features by using our dataset of Arabic verbs in-context, and their 7 translations. Weka machine learning classifiers is used in this experiment in order to examine the key features that can be used to provide guidance to enable a translator's appropriate English translation of the Arabic verb tense and aspect.