BASRAH: ARABIC VERSES METERS IDENTIFICATION SYSTEM

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Abstract

In this paper, we present BASRAH, a system that automatically identifies the meter of Arabic verse, which is an operation that requires a certain level of human expertise. BASRAH uses the numerical prosody method, which depends on verse coding that is derived from the general concept of al-Khalil’s feet through using the two primary units (cord=2 and peg=3). BASRAH has proved to be an efficient tool to help inexperienced users to determine the meters of Arabic verses when we tested it on thousands of old and modern Arabic verses.

Keywords: Arabic prosody, Prosodic form, Arabic prosody elements, Numerical prosody method