

Abstract

The present application relates to the technical field of speech semantics, discloses a speech emotion recognition method and apparatus based on a target scenario, a device, and a medium, and aims to solve problems of inaccuracy and low efficiency in speech emotion recognition. In the present application, signal encoding and acoustic feature extraction are performed on an initial speech signal, to obtain an initial acoustic feature; feature level division and hierarchical attention processing are performed on the initial acoustic feature, to obtain a target speech feature; emotion feature extraction is performed on the target speech feature, to obtain a plurality of speech emotion features; and the plurality of speech emotion features are mapped to a target speech scenario, and a mapped target speech emotion trajectory in the target speech scenario is recognized, so that the present application improves accuracy and efficiency of speech emotion recognition and can be applied to service system platforms such as financial technology and healthcare.

[FIG. 2]