

INTERPRETATION OF EMOJI NOTATIONS

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Abstract

Social media is an unavoidable technology which helps us to get connected with each other. Not only by sending text messages but also sharing thoughts and ideas can bring people together. Social media has been used for online marketing, online teaching and many more. Some of the popular social media platforms are Whatsapp, Twitter, Facebook, Instagram, LinkedIn etc. Although these platforms have unique features, commenting and chatting is common for all. While people send messages, comment or rate through social media, they tend to use short term languages with emojis. Emojis are graphical features written to communicate using digital technologies. Not only facial expressions but also gestures, activities, plants and animals can be represented by using these emojis. But there is a common problem that can be visible in using emojis to communicate, which is unable to interpret the emoji with text in order to get the meaning of the text message.

Using suitable dataset developed a deep learning model with attention mechanism to predict the emoji interpreted text. This text will be a meaningful clearer sentence which user can easily read and understand. Encoder and decoder used in the attention mechanism to develop an accurate model. Bleu Score was used to calculate the accuracy of the developed model.

Keywords: Social Media, Natural Language Processing, Machine Translation, Emoji, Encoder-Decoder, Attention Model, BLEU Score