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636	<b>A Two-channel Text Sentiment Analysis Model based on Bert and BCGRU-A</b> <a href="#">Download</a> Hide abstract Text sentiment analysis is an essential issue in the field of natural language processing. The traditional sentiment analysis method is adopted to solve the problems of polysemy and insufficient feature information extraction. This paper proposes a two-channel text sentiment analysis model based on Bert and BCGRU-A. When text preprocessing is performed, a dynamic word vector trained by Bert (Bidirectional Encoder Representation from Transformers) model is used to solve the polysemous problem. The text convolutional neural network (TextCNN) and the improved bidirectional Gated recurrent unit (ATBGRU) two-channel network models are used to obtain the local and global features, which are emphasized by the attention mechanism, respectively, and then the local and global features are combined for emotion analysis. Compared with BiGRU, the ATBGRU can improve the update gate and retain information according to the degree of influence of the current moment information, and then extracts global features more accurately. The experimental results are verified based on the IMDB dataset, and the accuracy and F1 score can reach 90.85% and 90.81%, respectively. The experimental results show that the Bert-BCGRU-A model can effectively improve the performance of emotion analysis.	IJCNN	<a href="#">View Review</a>	Indrapriyadarsini	Sendilkumaar	indra.ipd@gmail.com

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