Visualization Technologies in Deep Learning

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Message from the Guest Editors

This Special Issue is devoted to visualization technologies in deep learning. Over recent years, deep learning has been widely applied in a variety of fields ranging from facial recognition and strategy games to shopping recommendations and answering questions. However, the effectiveness and efficiency of the training models are still difficult to manage because they serve as black boxes, providing little insight into how, why, and when they are successful. Visualization is an effective way to present the internal features in the objects and events, which will be quite suitable for enabling users to obtain insights into the training courses available and the usefulness of models. Thus, we are pleased to announce this Special Issue, "Visualization Technologies in Deep Learning", in which works focusing on DL4Vis (deep-learning-based visualization) and VIS4DL (visualization methods for the interpretation of deep learning models) are welcome. Hope that this Special Issue will assist the promotion and utilization of visualization and deep learning applications.

Special Issue

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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