SPECIAL ISSUE

Emerging Advances in Deep Learning and Computer Vision for Visual Data Search and Mining in E-commerce

Today, e-commerce is gaining momentum on a worldwide scale. Some of the most critical factors contributing to the growth of the e-commerce sector are the availability of multiple online platforms with a vast number of products, affordable prices, and ease of use for consumers. Thus, many businesses worldwide are now selling their products online through e-commerce websites. Computer vision techniques and deep learning have become valuable tools for visual search and mining within e-commerce. These new techniques use computer vision and deep learning to identify and classify objects in images and videos. Although deep-learning-based learning and computer vision for visual data search and mining in E-commerce is an emerging concept, the demand for visual data search and mining in E-commerce is rising significantly. Visual data search and mining in E-commerce have a significant role in improving the customer experience of utilizing e-commerce services. Deep learning and computer vision have opened a new vista in visual data search and mining in E-commerce. The dramatic advancement of deep learning and computer vision technologies provides a new possibility for building intelligent systems that can automatically perform the task of searching relevant images or items from massive visual data sets. This special issue provides a platform for researchers, students, engineers, and developers interested in applying deep learning and computer vision in E-commerce. Scope of the special issue include the following:

- Visual data search and data mining in E-commerce with deep learning and computer vision
- Real-time applications of deep learning and computer vision for E-commerce applications
- Challenges and opportunities of deep learning big data analytics in E-commerce
- Deep understanding assisted visual data mining for E-commerce
- Efficient ways of customer trend prediction in E-commerce with deep knowledge and computer vision
- Innovative use cases of deep expertise and computer vision in E-commerce
- Personalized product recommendation in E-commerce application with deep learning and computer vision
- Next digital frontier in E-commerce with deep learning and computer vision technologies
- Computer vision applications in E-commerce with big data analytics
- Visual data mining with deep learning for customized advertisement management and digital marketing in E-commerce
- Enhancing sales and productivity in E-commerce with deep knowledge and computer vision
- Visual data mining for user trend prediction and customer analysis

Submission Deadlines:

- The Special Issue Submission Deadline is November 10, 2023

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