**Machine Learning**

1. **Weakly-supervised Deep Embedding for Product Review Sentiment Analysis**
2. **Personalized affective feedback to address students’ frustration in ITS**
3. **Analysis of women safety in Indian cities using machine learning on tweets**
4. **Feature extraction for next-term prediction of poor student performance**
5. **Spammer Detection and Fake User Identification on Social Networks**
6. **Serendipity—A Machine-Learning Application for Mining Serendipitous Drug Usage from Social Media**
7. **Sentiment Classification using N-gram IDF and Automated Machine Learning**
8. **Privacy-Preserving Social Media Data Publishing for Personalized Ranking-Based Recommendation**
9. **Location Inference for Non-geotagged Tweets in User Timelines**
10. **Detection of fake online reviews using semi-supervised and supervised learning**
11. **Competitive Bike: Competitive Analysis and Popularity Prediction of Bike-Sharing Apps Using Multi-Source Data**
12. **Prediction of Heart Disease Using Machine Learning Algorithms**
13. **Discovering the Type 2 Diabetes in Electronic Health Records using the Sparse Balanced Support Vector Machine**

**Data Mining and AI**

1. **Achieving Data Truthfulness and Privacy Preservation in Data Markets**
2. **Leveraging Product Characteristics for Online Collusive Detection in Big Data Transactions**
3. **Collaborative Filtering-based Electricity Plan Recommender System**

**Social Networks on Sentiment Analysis**

1. **SentiDiff: Combining Textual Information and Sentiment Diffusion Patterns for Twitter Sentiment Analysis**

**Natural Language Processing**

1. **Detection of depression-related posts in reddit social media forum**
2. **Sentiment lexicon construction with hierarchical supervision topic model**
3. **Crop Yield Prediction and Efficient use of Fertilizers**