

Special Issue

Data-Driven Mental Healthcare

Message from the Guest Editor

Mental health disorders pose a significant global burden, affecting millions of individuals worldwide. However, traditional approaches to mental healthcare often face limitations in terms of accurate diagnosis, individualized treatment plans and goals, predicting prognosis and treatment outcomes, to name a few. The integration of data-driven techniques, including artificial intelligence, machine learning, and big data analytics, offers promising solutions to address these and similar challenges.

One of the key advantages of data-driven mental healthcare lies in its ability to leverage diverse sources of data. Electronic health records, wearable devices, social media platforms, and online communities generate a wealth of data that can provide valuable information about individuals' mental states, behavior patterns, and social interactions. These multidimensional data sources, when analyzed with computational techniques, enable researchers to develop comprehensive models for understanding mental health, identifying risk factors, and predicting mental health outcomes at an individual and population level.

Guest Editor

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