Discrimination Aware Data Mining in Internet of Things (IoT)

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Abstract

IoT is a technology where objects around us will be able to connect to each other and communicate via Internet. Recently, IoT has become an important technology in the world of Internet. However, it comes across problem of big data and extracting knowledge from such data using data mining techniques. Recently, it is observed that data mining increases the risk of violation of fundamental human right, called non-discrimination. It is obvious that data mining tasks in IoT will also face the risk of discrimination. Discrimination Aware Data Mining is an area which deals with finding methods to discover and/or prevent discrimination. This paper is the first step towards finding discrimination related issues in IoT. This paper describes discrimination discovery and prevention issues faced by IoT. This paper also specifies the huge future research avenue related to discrimination aware data mining in IoT.

References


Index Terms

Computer Science
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Keywords
Discrimination aware data mining; data mining; Internet of Things (IoT)