User Behavior Charecterization using Mobile Internet Usage

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Abstract: *Smart gadgets provide ubiquitous mobile Internet connection, which is hastening the expansion of mobile Internet. This article examines the mobile user behavior from three perspectives using mobile traffic statistics gathered at China's central urban 2G and 3G networks over a week: Data use, mobility, and application use are the first three categories. To analyze the resource usage on mobile Internet, it divides mobile users into various groups. It notices that users with high levels of mobility and traffic tend to burn up a lot of radio and data resources at once. Users' application access behavior is intimately tied to their data usage and mobility patterns. Users can be grouped based on how they use an application, and different application categories can be found by the methods they use.*

Keywords: K-means Clustering , KNN , K Nearest Neighbor..

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