

## 灭火指挥数据挖掘研究

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**摘要：** 根据火灾和灭火大数据中挖掘数据的关联性，将具有相关联的属性值和频繁出现的属性值提取出来，建立关联规则，并通过大数据挖掘 Apriori 算法准确提高灭火指挥数据应用的准确性.讨论 Apriori 关联规则算法的改进，降低对数据库的扫描次数，减少后选集的生成，提高灭火指挥数据的数据挖掘性能和效率，满足灭火指挥数据建设需求.

**关键词：** 灭火指挥；数据挖掘；Apriori 算法；改进

## Research on Fire Fighting Command Data Mining

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**Abstract:** From the fire and fire the relevance of data mining in large data, to have associated attribute values and frequent attribute values extracted and establish the association rules, and through data mining Apriori algorithm accuracy improve fire accuracy of command data applications. This paper discusses the improvement of Apriori algorithm of association rules, reduce the times of database scanning, reduced after Anthology of generation, improve fire fighting command data data mining performance and efficiency, meet the fire command data construction demand.

**Key words:** Fire fighting command; Data mining; Apriori algorithm; Improvement

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