عنوان مقاله:

Big data mining in the analysis of factors affecting the occurrence of natural gas incidents in East Azerbaijan province ((Iran

محل انتشار:

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خلاصه مقاله:

In the past years, East Azerbaijan province in Iran has always been at the top of the number of incidents in the country in the reports related to the annual analysis of incidents of domestic natural gas subscribers. Despite planning and spending at the expense of previous years, there has been no significant reduction in incident statistics. The purpose of this article is to investigate the root factors affecting the occurrence of incidents in domestic consumers of natural gas in East Azerbaijan province and to provide control and reduction strategies for incidents. To study the statistical analysis of natural gas-related incidents, the big data mining data approach of natural gas incidents in East Azerbaijan province during the years ۲۰۱۴ to ۲۰۲۰ besides Pareto analysis, root analysis, and Delphi have been used. The results of data and information analysis indicate that the most important technical factors affecting the bite are: lack of proper installation of the chimney, use of non-standard chimneys, leakage due to seams between the chimney parts, the .presence of cracks, and virtual blockage of the chimney

کلمات کلیدی:

Natural Gas Incidents, Explosions and Fires, Big Data, Data mining