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An Intelligent Approach Using Data Analysis Techniques for the Automobile Industry

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Description Availability of huge amount of noisy data from heterogeneous data sources (Files, Tables, XML docs, Social API, emails etc.) has opened new avenues in data analysis domain. Data cleaning, data verification and validation, automation of data processing have become easier with the application of IDA (Intelligent Data Analysis) techniques. With the advent of several intelligent techniques, automated exploratory data analysis (autoEDA) has become another challenging domain nowadays. In this chapter, we presented a systematic machine learning based method for Automated Exploratory Data Analysis (autoEDA). Utilizing a standard dataset, an analysis is done to figure out which company is the chief manufacturer of automobile, which fuel is most widely used by the automobile etc. Correlation analysis was executed to find out the relation between length, width, weight, price of the automobile. Regression ...

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