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**SOLVING A PREDICTION PROBLEM IN E-GOVERNMENT USING NEURAL NETWORKS**

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This article describes a methodology for solving forecasting problems related to e-government using neural networks. In particular, it examines forecasting the number of vehicles in use in various regions in 2024, taking into account various types of fuel, including hybrid, gasoline, diesel and electric vehicles. The data set for this study consists of three parameters: year, vehicle type and region, with the number of vehicles being the target variable.

Due to limited access to data, a special data generator was developed that creates a variety of datasets for analysis. This generator generated 240 lines of complete information with all significant parameters. The data was used to train the neural network.

To build the neural network model, the NNtool tool for Matlab was chosen, which provides a convenient environment for predictive analysis and development of accurate predictive models. A two-layer network was created with two hidden layers of 10 neurons each. The network was trained on the generated data and used to predict the number of cars for 2024.

**Keywords:**

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