Czech Academy of Agricultural Sciences

Open Access Agricultural Journals

AGRICULTURAL ECONOMICS
Zemědělská ekonomika

Table of Contents

Editorial Board

For Authors

- **Authors Declaration**
- **Instruction to Authors**
- **Guide for Authors**

Agricultural Economics (Zemědělská ekonomika)

Automatic discovery of the regression model by the means of grammatical and differential evolution

Lýsek J., Šťastný J.:

Agric. Econ. – Czech, 60 (2014): 546-552

[fulltext]

In the contribution, there is discussed the usage of the method based on the grammatical and differential evolution for the automatic discovery of regression models for discrete datasets. The combination of these two methods enables the process to find the precise structure of the mathematical model and values for the model constants

separately. The used method is described and tested on the selected regression examples. The results are reported and the obtained mathematical models are presented. The advantages of the selected approach are described and compared to the classical methods.

Keywords:

context-free grammar, evolutionary methods, genetic algorithm, sum of squared error

References:
a

[fulltext]