



# Car Evaluation

Donated on 5/31/1997

Derived from simple hierarchical decision model, this database may be useful for testing constructive induction and structure discovery methods.

## Dataset Characteristics

Multivariate

## Subject Area

Other

## Associated Tasks

Classification

## Feature Type

Categorical

## # Instances

1728

## # Features

6

## Dataset Information



### Additional Information

Car Evaluation Database was derived from a simple hierarchical decision model originally developed for the demonstration of DEX, M. Bohanec, V. Rajkovic: Expert system for decision making. Sistemica 1(1), pp. 145-157, 1990.). The model evaluates cars according to the followi...

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### Has Missing Values?

No

## Introductory Paper



### Knowledge acquisition and explanation for multi-attribute decision making



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# Variables Table



Variable Name	Role	Type	Description	Units	Missing Values
buying	Feature	Categorical	buying price		no
maint	Feature	Categorical	price of the maintenance		no
doors	Feature	Categorical	number of doors		no
persons	Feature	Categorical	capacity in terms of persons to carry		no
lug_boot	Feature	Categorical	the size of luggage boot		no
safety	Feature	Categorical	estimated safety of the car		no
class	Target	Categorical	evaluation level (unacceptable, acceptable, good, very good)		no

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## Additional Variable Information



buying: vhigh, high, med, low.  
maint: vhigh, high, med, low.  
doors: 2, 3, 4, 5more....  
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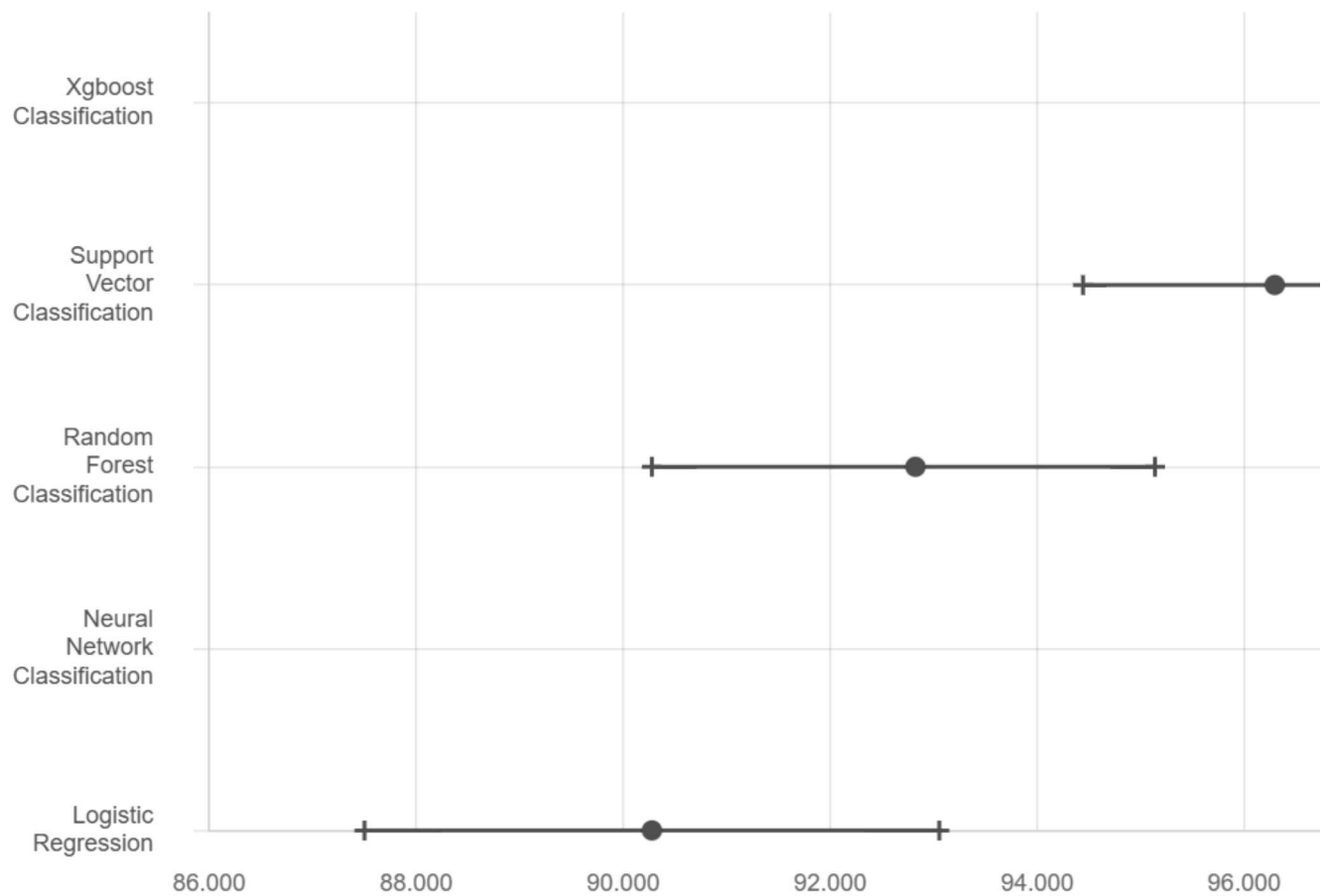
### Class Labels

unacc, acc, good, vgood



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## Dataset Files

File	Size
car.data	50.7 KB
car.names	3 KB
car.c45-names	276 Bytes



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### GluonTS: Probabilistic Time Series Models in Python

By Alexander Alexandrov, Konstantinos Benidis, Michael Bohlke-Schneider, Valentin Flunkert, Jan Gasthaus, ...  
Published in ArXiv.

### Optimal Sparse Decision Trees

By Xiyang Hu, Cynthia Rudin, Margo Seltzer. 2019  
Published in ArXiv.

### A New Urban Objects Detection Framework Using Weakly Annotated Sets

By Eric Keiji, Gabriel Ferreira, Claudio Silva, Roberto Cesar. 2017  
Published in ArXiv.

### Learning and Applying Case Adaptation Rules for Classification: An Ensemble Approach

By Vahid Jalali, David Leake, Najmeh Forouzandehmehr. 2017  
Published in IJCAI.

### A Comparative Study of Categorical Variable Encoding Techniques for Neural Network Class...

By Kedar Potdar, Taher Pardawala, Chinmay Pai. 2017  
Published in International Journal of Computer Applications.

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## Reviews



1.3



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**blumen\_131**

very bad data set

9/17/2024

**AKFI ROZADA**

-

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## Keywords

automobile

## Creators

👤 Marko Bohanec

## DOI

10.24432/C5JP48

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