

Fried

This is an artificial data set used in Friedman (1991) and also described in Breiman (1996,p.139). The cases are generated using the following method: Generate the values of 10 attributes, X_1, \dots, X_{10} independently each of which uniformly distributed over $[0,1]$. Obtain the value of the target variable Y using the equation:

$$Y = 10\sin(\pi X_1 X_2) + 20(X_3 - 0.5)^2 + 10X_4 + 5X_5 + \sigma(0.1)$$

- Source: Breiman (1996, p.139).
- Characteristics: 40768 cases, 10 attributes (0 nominal, 10 continuous).
- Download : [fried.tar.gz](#) (918841 bytes)

References

BREIMAN, L. (1996): Bagging Predictors. *Machine Learning*, **24**(3), 123--140. Kluwer Academic Publishers.
FRIEDMAN, J. (1991): Multivariate Adaptative Regression Splines. *Annals of Statistics*, **19**:1, 1--141.