Computer Hardware Data Set

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Abstract: Relative CPU Performance Data, described in terms of its cycle time, memory size, etc.

Data Set Characteristics:	Multivariate	**Number of Instances:**	209	**Area:**	Computer
Attribute Characteristics:	Integer	**Number of Attributes:**	9	**Date Donated**	1987-10-01
Associated Tasks:	Regression	**Missing Values?**	No	**Number of Web Hits:**	300253

Source:

Creator:

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Data Set Information:

The estimated relative performance values were estimated by the authors using a linear regression method. See their article (pp 308-313) for more details on how the relative performance values were set.

Attribute Information:

1. vendor name: 30
(adviser, amdahl,apollo, basf, bti, burroughs, c.r.d, cambex, cdc, dec,
dg, formation, four-phase, gould, honeywell, hp, ibm, ipl, magnuson,

microdata, nas, ncr, nixdorf, perkin-elmer, prime, siemens, sperry,
sratus, wang)
2. Model Name: many unique symbols
3. MYCT: machine cycle time in nanoseconds (integer)
4. MMIN: minimum main memory in kilobytes (integer)
5. MMAX: maximum main memory in kilobytes (integer)
6. CACH: cache memory in kilobytes (integer)
7. CHMIN: minimum channels in units (integer)
8. CHMAX: maximum channels in units (integer)
9. PRP: published relative performance (integer)
10. ERP: estimated relative performance from the original article (integer)

Relevant Papers:

Ein-Dor and Feldmesser (CACM 4/87, pp 308-317)

Kibler,D. & Aha,D. (1988). Instance-Based Prediction of Real-Valued Attributes. In Proceedings of the CSCSI (Canadian AI) Conference.
[Web Link]

Papers That Cite This Data Set[1]:

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Dan Pelleg. Scalable and Practical Probability Density Estimators for Scientific Anomaly Detection. School of Computer Science Carnegie Mellon University. 2004. [View Context].

Yongge Wang. A New Approach to Fitting Linear Models in High Dimensional Spaces. Alastair Scott (Department of Statistics, University of Auckland). [View Context].

Citation Request:

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[1] Papers were automatically harvested and associated with this data set, in collaboration with Rexa.info