

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:	312396

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 Set¹:



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:

Please refer to the Machine Learning Repository's [citation policy](#).

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

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