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MiniBooNE particle identification Data Set

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Abstract: This dataset is taken from the MiniBooNE experiment and is used to distinguish electron neutrinos (signal) from muon neutrinos (background).

Data Set Characteristics:	Multivariate	Number of Instances:	130065	Area:	Physical
Attribute Characteristics:	Real	Number of Attributes:	50	Date Donated	2010-12-13
Associated Tasks:	Classification	Missing Values?	N/A	Number of Web Hits:	49912

Source:

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Data Set Information:

The submitted file is set up as follows. In the first line is the the number of signal events followed by the number of background events. The signal events come first, followed by the background events. Each line, after the first line has the 50 particle ID variables for one event.

Attribute Information:

50 particle ID variables (real) for each event.

Relevant Papers:

B. Roe et al., 'Boosted Decision Trees, an Alternative to Artificial Neural Networks' <[Web Link](#)>, arXiv:physics/0408124, Nucl. Instrum. Meth. A543, 577 (2005).

Citation Request:

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