This data set contains a number of columns that might help you to predict the weight of a fictitious widgets produced at a factory. The shape and dimensions of body each widget is provided. Each widget might have internal components, such as gears LEDs, and motors. If a widget has none of these, then it is a solid object (only a body). The bodies are made of various metal types and the density of each metal is provided. The measurements are metric, grams for weight and CM for dimensions. The weight of a component is more or less the weight of a solid body minus the space needed for the internal components (LEDs, Motors, gears) plus the weight taken by those components.

field descriptions

* train.csv - the training set
* test.csv - the test set
* sampleSubmission.csv - a sample submission file in the correct format

Data fields

* id - The row ID.
* shape - The shape that the widget is.
* metal - The metal that the widget's body is made from.
* metal\_cost - The cost of the type of metal used to make the widget's body.
* height - The height of the widget's body.
* width - The width of the widget's body.
* length - The length of the widget's body.
* led - The number of LEDs used to make this widget.
* gears - The number of gears used to make this widget.
* motors - The number of motors used to make this widget.
* led\_vol - The volume of the LEDs in this widget. (many missing values)
* motor\_vol - The volume of the motors in this widget. (many missing values)
* gear\_vol - The volume of the motors in this widget. (many missing values)
* volume\_parts - The volume of all parts in this widget. (many missing values)
* cost - The cost of this widget.
* weight - The weight of this widget (target)