

# Package ‘mars’

April 8, 2022

**Version** 0.0.0.9123

**Title** What the Package Does (One Line, Title Case)

**References** hello im a nice guy

**Example** try this please::

**Description** its mars yeyeyeye.

**License** GPL (>= 3)

**Encoding** UTF-8

**LazyData** true

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.1.2

**Imports** stats

**Suggests** knitr,  
rmarkdown,  
testthat (>= 3.0.0)

**VignetteBuilder** knitr

**Config/testthat/edition** 3

**Depends** R (>= 2.10)

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<code>mars</code>	<i>Title</i>
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**Description**

Title

**Usage**

```
mars(formula, data, control = NULL, ...)
```

**Arguments**

...

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<code>mars.control</code>	<i>Title</i>
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**Description**

Title

**Usage**

```
mars.control(Mmax = 2, d = 3, trace = FALSE)
```

**Arguments**

trace

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<code>predict.mars</code>	<i>Predicted values based on mars object.</i>
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**Description**

Predicted values based on mars object.

**Usage**

```
## S3 method for class 'mars'
predict(object, newdata, ...)
```

**Arguments**

object	a mars object
newdata	An optional data frame in which to look for variables with which to predict. If omitted, the fitted values are used.
...	further arguments

**Value**

predicted values of the response variable

**See Also**

Other methods: [print.mars\(\)](#), [summary.mars\(\)](#)

**Examples**

```
mar <- mars(y~x1+x2+x3, data=dataset)
predict(object=mar, newdata=testdata)
```

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print.mars	<i>Prints out the call and coefficients of a mars object</i>
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**Description**

Prints out the call and coefficients of a mars object

**Usage**

```
## S3 method for class 'mars'
print(x, ...)
```

**Arguments**

x	a mars object
...	further arguments

**See Also**

Other methods: [predict.mars\(\)](#), [summary.mars\(\)](#)

**Examples**

```
mar <- mars(y~x1+x2+x3, data=dataset)
print(mar)
```

---

`summary.mars`*Produce result summaries of a mars object*

---

**Description**

Prints Call, Five-number summary, summary of hinge functions for each basis function, and the coefficients of each basis function of a mars object

**Usage**

```
## S3 method for class 'mars'  
summary(object, ...)
```

**Arguments**

<code>object</code>	a mars object for which a summary is desired.
<code>...</code>	further arguments

**See Also**

Other methods: [predict.mars\(\)](#), [print.mars\(\)](#)

**Examples**

```
mar <- mars(y~x1+x2+x3, data=dataset)  
summary(mar)
```

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