1. Energy expenditure of Mole-rats (MoleRats in abd package.)

<table>
<thead>
<tr>
<th>ln.energy</th>
<th>log of daily energy expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td>ln.mass</td>
<td>log of mass of mole rat</td>
</tr>
<tr>
<td>caste</td>
<td>caste of rat, lazy or worker</td>
</tr>
</tbody>
</table>

2. Confidence intervals for model values. (Either as an estimate of the mean or as a prediction of a future observation.)

```r
lmr <- lm(ln.energy ~ ln.mass + caste, data = MoleRats)
coefficients(lmr)

(Intercept)   ln.mass    caste
-0.09687      0.89282    0.39334

f <- makeFun(lmr)
f(ln.mass = 4, caste = "lazy", interval = "confidence")

fit lwr upr
1 3.474 3.098 3.851

f(ln.mass = 4, caste = "lazy", interval = "prediction")

fit lwr upr
1 3.474 2.763 4.186
```