
mclustModelNames	<i>MCLUST Model Names</i>
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Description

Description of model names used in the *MCLUST* package.

Usage

```
mclustModelNames(model)
```

Arguments

model	A string specifying the model.
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Details

The following models are available:

univariate mixture

"E"	= equal variance (one-dimensional)
"V"	= variable variance (one-dimensional)

multivariate mixture

"EII"	= spherical, equal volume
"VII"	= spherical, unequal volume
"EEI"	= diagonal, equal volume and shape
"VEI"	= diagonal, varying volume, equal shape
"EVI"	= diagonal, equal volume, varying shape
"VVI"	= diagonal, varying volume and shape
"EEE"	= ellipsoidal, equal volume, shape, and orientation
"EEV"	= ellipsoidal, equal volume and equal shape
"VEV"	= ellipsoidal, equal shape
"VVV"	= ellipsoidal, varying volume, shape, and orientation

single component

"X"	= univariate normal
"XII"	= spherical multivariate normal
"XXI"	= diagonal multivariate normal
"XXX"	= ellipsoidal multivariate normal

Value

Returns a list giving the optimal (according to BIC) parameters, conditional probabilities z , and loglikelihood,

model	A character string indicating the model (as in input).
type	The description of the indicated model (see details below).