

Bimodality Index

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1 Simulated Data

We simulate a dataset.

```
> set.seed(564684)
> nSamples <- 30
> nGenes <- 3000
> dataset <- matrix(rnorm(nSamples*nGenes), ncol=nSamples, nrow=nGenes)
> dimnames(dataset) <- list(paste("G", 1:nGenes, sep=''),
+                             paste("S", 1:nSamples, sep=''))
> library(BimodalIndex)
```

2 Appendix

This analysis was performed in the following directory:

```
> getwd()
[1] "/tmp/Rtmp9GWTTm/Rbuild3707376996e4/BimodalIndex/vignettes"
```

This analysis was performed in the following software environment:

```
> sessionInfo()

R version 3.2.0 Patched (2015-05-29 r68441)
Platform: x86_64-unknown-linux-gnu (64-bit)
Running under: Debian GNU/Linux 8 (jessie)

locale:
 [1] LC_CTYPE=en_US.UTF-8      LC_NUMERIC=C               LC_TIME=en_US.UTF-8
 [4] LC_COLLATE=C              LC_MONETARY=en_US.UTF-8    LC_MESSAGES=en_US.UTF-8
```

```
[7] LC_PAPER=en_US.UTF-8      LC_NAME=C                LC_ADDRESS=C
[10] LC_TELEPHONE=C            LC_MEASUREMENT=en_US.UTF-8 LC_IDENTIFICATION=C
```

attached base packages:

```
[1] stats      graphics  grDevices  utils      datasets  methods    base
```

other attached packages:

```
[1] BimodalIndex_1.1.1
```

loaded via a namespace (and not attached):

```
[1] mclust_5.0.1    tools_3.2.0     oompaBase_3.1.0
```