

# 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] "C:/Users/Kevin/AppData/Local/Temp/RtmpU9o45u/Rbuild6fc1cc014aa/BimodalIndex/vignettes"
```

This analysis was performed in the following software environment:

```
> sessionInfo()

R version 3.4.0 (2017-04-21)
Platform: x86_64-w64-mingw32/x64 (64-bit)
Running under: Windows 7 x64 (build 7601) Service Pack 1

Matrix products: default

locale:
```

```
[1] LC_COLLATE=C                      LC_CTYPE=English_United States.1252
[3] LC_MONETARY=English_United States.1252 LC_NUMERIC=C
[5] LC_TIME=English_United States.1252
```

attached base packages:

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

other attached packages:

```
[1] BimodalIndex_1.1.3
```

loaded via a namespace (and not attached):

```
[1] compiler_3.4.0  mclust_5.2.3    tools_3.4.0     ompaBase_3.2.1  cluster_2.0.6
```