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In [1]: import Gmode as Gm
```

```
In [2]: gmode = Gm.Gmode()
```

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#####  
##### G-mode Multivariate Clustering method - version 1.0 for Python 2.7 #####  
##### Program Developer: Pedro Henrique A Hasselmann #####  
##### Method Developer: A. I. Gavrishin and A. Coradini #####  
#####  
WARNING: Minimal python packages dependencies: Numpy 1.5, Scipy 0.9, matplotlib 1.0.1  
The input file must be formatted as --> Designation / unique ID / variables / errors  
  
imported
```

```
In [3]: load = gmode.LoadData(file="TESTS/SIMUL/simulated_gaussians.dat")
```

```
In [4]: run = gmode.Run(q1=2.5, grid=2, ulim=1e0, mlim=0.5, name='test')
```

```
grid: 2 --> 4  
upper limit : 1.0 1.0  
[[ 0.00291463  0.00186489]  
 [ 0.00186489  0.00119323]]  
Barycenter size: 20  
N = 2000 Nc = 1 Na = 515  
Barycenter size: 15  
N = 1485 Nc = 2 Na = 484  
Barycenter size: 16  
N = 1001 Nc = 3 Na = 393  
Barycenter size: 20  
N = 608 Nc = 4 Na = 20  
Barycenter size: 30  
N = 588 Nc = 5 Na = 588  
Excluded Sample Size: 0
```

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In [5]: ev = gmode.Evaluate(q2=2.5)
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In [6]: col = gmode.ClassificationPerID()  
end = gmode.TimeIt()  
classf = gmode.Classification()  
log = gmode.WriteLog()  
plot = gmode.Plot()  
dendro = gmode.Dendrogram()
```

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total processing time: 1.47462558349 min
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In [ ]:
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