Information on package 'SSMFGSN.EM'

Description: EM-algorithms for SSMFGSN distributions

Package: SSMFGSN.EM

Type: Package

Version: 0.1.0

Author: A.Mahdavi

Maintainer: Abbas Mahdavi (*a.mahdavi@vru.ac.ir*)

License: GPL (>= 2.0)

Encoding: UTF-8

LazyData: true

Repository: GitHub

Needs Compilation: no

Built: R 4.0.1

UTC; windows

Index:

| | |
|---|---|
| wind | Wind speed data |
| cost | Cost of living data |
| FGSN.EM | FGSN.EM function |
| FGSTN.EM | FGSTN.EM function |
| FGST.EM | FGST.EM function |
| FGSTT.EM | FGSTT.EM function |
| FGSLN.EM | FGSLN.EM function |
| FGSSN.EM | FGSSN.EM function |
| FGSEPN.EM | FGSEPN.EM function |

Some examples :

Example 1:

Simulating samples from FGSN distribution:

```
y <- r.FGSN(n=1000, xi=5, s=2, la=c(-5,3) )
```

EM output with specific initial values:

```
EM.FGSN(y, xi=5, s=2, la=c(-5,3) )
```


Example 2:

Simulating samples from FGSCN distribution:

```
y <- r.FGSCN(n=1000, xi=5, s=2, la=c(-5,3), nu1=0.3 , nu2=0.7 )
```

EM output with specific initial values:

```
EM.FGSCN(y, xi=5, s=2, la=c(-5,3), nu1=0.3, nu2=0.7, equal=FALSE
)
```