# Package 'XDemo'

November 29, 2012

**Type** Package

**Title** What the package does (short line)

**Version** 1.0

**Date** 2012-11-29

**Author** Who wrote it

**Maintainer** Who to complain to <yourfault@somewhere.net>

**Description** More about what it does (maybe more than one line)

**License** What license is it under?

**Archs** x64

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`XDemo-package` *XDemo What the package does (short line) ~~ package title ~~*

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### Description

More about what it does (maybe more than one line) ~~ A concise (1-5 lines) description of the package ~~

### Details

| | |
|---|---|
| Package: | XDemo |
| Type: | Package |
| Version: | 1.0 |
| Date: | 2012-11-29 |
| License: | What license is it under? |

~~ An overview of how to use the package, including the most important ~~ ~~ functions ~~

## Author(s)

Who wrote it

Maintainer: Who to complain to <yourfault@somewhere.net> ~~ The author and/or maintainer of the package ~~

## References

~~ Literature or other references for background information ~~

## See Also

~~ Optional links to other man pages, e.g. ~~ ~~ <pkg> ~~

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`XDemoAutoC` *Demostration Autocorrelation Function*

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## Description

A R to C interfacing Autocorrelation function, does plots too.

## Usage

```
XDemoAutoC( UseData, OutLength = -999, PlotToggle = FALSE)
```

## Arguments

| | |
|---|---|
| `UseData` | Time series vector input data |
| `OutLength` | Set's maximum 0...Outlength time lag used in program |
| `PlotToggle` | Plot upon completion? |

## Author(s)

Alan Lenarcic, Harvard Statistics Department PhD student

## References

R core development. "Writing R Extentions". 2007.

## See Also

~ `acf`

## Examples

```
x = rnorm(30,0,1);
UseData = x + c( 0, .3 * x[1:29]) + c(0,0, .1 * x[1:28]); ## Creates Some Data
XDemoAutoC( UseData, OutLength = 10, PlotToggle = TRUE);
```

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