Subject: calculating Standardized Precipitation Index (SPI)
Posted by Teddy Allen on Fri, 19 Dec 2014 14:16:44 GMT
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Greetings,
Do any IDL users have experience calculating the standardized precipitation index (SPI)? I would greatly appreciate any support using IDL to calculate SPI.
Thank you,
teddy

Subject: Re: calculating Standardized Precipitation Index (SPI)
Posted by Fabzi on Sat, 20 Dec 2014 06:39:51 GMT
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Hi,

On 19.12.2014 15:16, Teddy Allen wrote:> Greetings,
 > Do any IDL users have experience calculating the standardized precipitation index (SPI)?

There seems to be some programs available for free:
 http://drought.unl.edu/MonitoringTools/DownloadableSPIProgra m.aspx

Otherwise you will probably need to roll your own using MPFIT (for example).

Cheers,

Fabien

Subject: Re: calculating Standardized Precipitation Index (SPI)
Posted by ghusak on Fri, 08 May 2015 21:23:46 GMT
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hi teddy,

i've coded up the SPI in IDL using a conditional gamma distribution accounting for the probability of no rainfall.

i'm not sure if it is standard to post functions to this group (i'm a bit of a newbie), but you can email me or reply here and i can send you the code.

gh

greg husak

ucsb department of geography

On Friday, December 19, 2014 at 6:16:47 AM UTC-8, Teddy Allen wrote:

> Greetings,

> Do any IDL users have experience calculating the standardized precipitation index (SPI)? I would greatly appreciate any support using IDL to calculate SPI.

> Thank you,

> teddy