

# Re: Transforming ratios

---

*Source:* <http://sci.tech-archive.net/Archive/sci.stat.math/2005-10/msg00397.html>

---

- *From:* "Geoff Hammond" <[geoff@xxxxxxxxxxxxxxx](mailto:geoff@xxxxxxxxxxxxxxx)>
  - *Date:* Thu, 27 Oct 2005 12:13:33 +0800
- 

They are physiological rather than 'psychological' signals. The measures are the peak-to-peak amplitudes of the responses elicited in a muscle by brain stimulation. I guess the key point is that in different conditions the responses can be suppressed (i.e., they are smaller than the control responses) or enhanced (i.e., they are larger than the control responses).

Geoff Hammond

"Bob Wheeler" <[rwheeler@xxxxxxxx](mailto:rwheeler@xxxxxxxx)> wrote in message  
[news:435f73ac\\$0\\$8285\\$882e0bbb@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:435f73ac$0$8285$882e0bbb@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)  
> Geoff Hammond wrote:  
>> I work with physiological signals where it's conventional to express the  
>> size of signals obtained in different experimental conditions as ratios of  
>> signal size in a baseline condition. I routinely take log transforms of  
>> the ratios before analysis but scarcely anyone else does. Am I being too  
>> fussy?  
>>  
>> Geoff Hammond  
>>  
>> School of Psychology  
>> University of Western Australia  
>  
> Give an example of a "psychological signal." Is someone twisting a dial to  
> indicate sensory strength? If the upper end of the signal can be very  
> large, then you are doing the right thing.  
>  
> ---  
> Bob Wheeler --- <http://www.bobwheeler.com/>  
> ECHIP, Inc. --- Randomness comes in bunches.

- 
- *Follow-Ups:*
    - ◆ **Re: Transforming ratios**
      - ◇ *From:* Bob Wheeler

Re: Transforming ratios

- **References:**

- ◆ **Transforming ratios**
  - ◇ *From:* Geoff Hammond
- ◆ **Re: Transforming ratios**
  - ◇ *From:* Bob Wheeler

- Prev by Date: **Re: Help with VIF calculation in regression**
- Next by Date: **Re: Goodness-of-Fit modifications of  $\chi^2$  : Haldane-Dawson, Craddock-Flood,....**
- Previous by thread: **Re: Transforming ratios**
- Next by thread: **Re: Transforming ratios**
- Index(es):
  - ◆ **Date**
  - ◆ **Thread**