

Interactive comment on "Derivation of land surface temperature from Landsat Thematic Mapper (TM) sensor data and analyzing relation between land use changes and surface temperature" by S. Zareie et al.

S. Zareie et al.

hakhosravi@ut.ac.ir

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Dear Reviewer in Chief,

My revised paper has been attached. It has been provided based on your comments. We tried to provide paper based on all of comments. The revised parts has been shown with different colors. If there is any problems do not hesitate to get in touch me.

What is the "Within Groups"? The formula for the one-way Variance Analysis of relationship between land surface temperature and normalized difference vegetation index (NDVI) F-test statistic is $F=(explained\ variance)/(unexplained\ variance)$ or

F=(Between group variability)/(Within Group variability) "Within Group variability" is the "unexplained variance" that shows experimental error rate. $\sum in_i(Y_i - Y) / ((K-1))$ where denotes the sample mean in the ith group, ni is the number of observations in 1, N-K degrees of freedom under the null hypothesis. The statistic will be large if the between group variability is larger elative to the within - group variability, which is unlikely to happen if the some measure of whether the variables within the group of variables are measuring the same thing some measure, assuming that each group reflects one over all trait, of how each trait (group) is reliable to the same and the same a

Best Regards,

Hassan Khosravi Assistant Professor Department of Arid and Mountainous Regions Reclamation, Faculty of Natural Resources, University of Tehran, Iran E-mail: hakhosravi@ut.ac.ir tel: +98 9128446358

Please also note the supplement to this comment: http://www.solid-earth-discuss.net/se-2016-22/se-2016-22-AC2-supplement.pdf

Interactive comment on Solid Earth Discuss., doi:10.5194/se-2016-22, 2016.