

## ***Interactive comment on “Changes in streamflow and sediment discharge and the response to human activities in the middle reaches of the Yellow River” by P. Gao et al.***

**P. Gao et al.**

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First of all, thank you for attention to our work. The changes in river streamflow and sediment discharge do not necessarily want to use new statistical method. Using some classical statistical methods is also feasible, but also widely used. About the selection of a significance level, in the trend test, a level of 0.01 or 0.05 is used. But in the change point analysis, a level of 0.05 or 0.1 is used. It is not a typographic error, but the method itself is like that. The slopes before and after a change point do not mention in this paper (Double mass curve). Author wants to do some significance test, but the

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method itself does not provide this test method. Here is the method used to provide a quantitative change. Therefore, the significance test did not do. But your proposal is desirable, this approach might be improved. Thanks again for your concern and suggestions.

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Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 7, 6793, 2010.

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