

# Review of: "Historical evolution of culture, mind, and language. Considerations basing on Everett's study upon the Pirahã"

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Potential competing interests: No potential competing interests to declare.

Dear Authors

I acknowledge the intriguing objective of this research. The paper entitled " Historical evolution of culture, mind, and language. Considerations basing on Everett's study upon the Pirahã" aims demonstrates that developmental psychology is needed for the explanation of the traits of language, mind and culture.

In my opinion, the author has a very interesting research objective, but there is a lack of clarity in the methodology used to deliver such an objective. There are obvious inconsistencies in the logical pattern of the paper. Not only that, but I also completely disagree with Everett's perspective of language evolution, in associating the evolution of a culture and language to the development of mental or psychological capability of a group of people. Moreover, the paper fails to convincingly demonstrate how development psychology theoretically supports the language evolution concept. In the lines below are my observations and recommendations.

1. The English expression needs to be improved. Some sentences are difficult to understand. Right from the title. I think the title should read "considerations based on Everett's study on Pirahas". Others sentences like "*Henceforth, this article strengthens tries to use developmental psychology in the study of the history of languages*" It is obvious when adult Pirahãs aren't able learning numbers then they won't be able to learn most things that are taught at school." *I suggest the paper i sent for a professorial proof-reading and revision.*
2. The paper almost looks like a report and commentary on Everett's papers. The author can be inspired by and referred to Everett's work, but his perspectives must be more obvious.
3. I could not understand the relationship between the different sections of the article and the logical background of the entire article.
4. On the content of the argument, Using the following expressions to describe a language is not linguistically accurate. "*Pirahã language does not know sentences such as I eat the bread that I bought yesterday*", "*A final possibility is that Pirahã grammar simply fails to provide for structure in sentences*". For example, most Asian languages like Chinese have their own structure and syntax, competently different from the English structure and composition, but that does not make them primitive languages. So, I found it difficult to agree with many expressions in the "Language, Speech and piraha language history" sections of the article.
5. In my opinion, there is a big difference between language evolution and language development. Therefore, In the

“Piraha culture” section, “*Piagetian cross-cultural psychology has evidenced that premodern or folk societies stay on psychological stages of children usually on the preoperational or concrete operational stage.*” Trying to compare language/cultural evolution to mental development cannot be scientifically/linguistically supported. Language evolution rather refers to the transformations a language or culture experiences over time and should be differentiated with the arithmetic and belief values of a people.