Paper Reading and Critique #1

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N. Gershon, S. Eick and S. Card, "Information Visualization", *ACM Interactions*, vol. 5, no. 2, pp. 9-15, March/April 1998.

First of all, this reading material introduce a powerful tool of interaction between human-mind and modern computer. The visualized interface is fast and efficient to find pattern and trend. In today's information-rich society, we need to understand overflood data.

A visualization is an essential tool for dealing with many kinds of business and technique. It reduces time and effort to reach understanding and a decision. Thus many people can use this technique. Also, visualization is not independent but dependent on other things. So, It has to link up to other fields.

"A picture is worth a thousand words." Like a very famous maxim, people generally think that a smaller picture is more effective than a larger number of words. However, Words are sometimes more powerful. Images have disadvantages in representing information clearly. It can read misunderstanding by human cognition. Thus, in this field, people have to understand how to use visualization more effectively and how to work human cognition.

In the future, people get familiar with visualization. It arouses the development of human cognition. Researchers have to solve the problem of the future.