

Network Properties of Folksonomies

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Summary :

'Folksonomy' has similar meaning of that of "how to categorize existing network structure." In this paper, Author shows brand-new technique to analyze network connection status mainly using two terminologies 'path length' & 'clustering coefficient.' These two author-defined attributes are very contributive to explain actual connectivity of the given system. And it can be used in many different ways such as preventing spasm etc.

Comments :

Nowadays, UCC(User created contents) is having been created very rapidly and is spreading further and further through a user network like blog, café etc. The study of Folksonomy may come from some productive reasons of a few companies especially in advertisement fields. However wherever it comes from, its research is very important because it actually affects our daily lives.

Author represents clearly objective attitude to describe a given system by measuring some numbers related to the given network structure, path length & clustering coefficients. It's very simple and clear terminology w.r.t it's definition in this paper but it has been getting more means when it comes to be applied to ternary relations like folksonomy. This kind of inspiration must be followed to computer engineer like we are. I think these 2 definitions and measured results are the essential part of this paper.

Like the author comments, if this 'folksonomy' really works in real network, the next step must be this. "How can we apply this technology to make a profit?" The author suggested to use this work to find the spam source or something like that. Reversely, we can abuse this technology to spread bad rumor for some reason in a very efficient way. All we must consider are just path length and clustering coefficients.

For the further research, it would be good to focus on the whole internet network to find some skylines of transitivity in a heuristic method based on this research when circumstances permit.