

A novel algorithm for communities' detection in social networks with node attributes

Purtee Jethi Kohli¹
Research Scholar
Banasthali Vidyapith

Deepak Kumar²
Assistant Professor
Banasthali Vidyapith

modit³
JIIT,62 Noida

Abstract:

As living being we are a social animal from birth to growing, first encounter is the incubation centre, which the child will have memory of, later told by parents or grandparents then family. Thus family leads to network community structure disclosure required a concerted effort. Different types of social networks, including dynamic social networks and node-attribute social networks, can be handled in this way. In this paper, we present a novel approach to address this flourishing problem in the node-attribute social network

Keywords:

Maximum matching, Node attributes, Social networks, Communities detection, —Data Mining, Sentiment Analysis, Predictive Modeling
Literature survey

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I. Introduction

In The last decade, we have seen an exponential surge in technology innovation, which has fundamentally altered how businesses grow and operate. Digitalization has emerged as a new paradigm that needs to be implemented. As long as there are a lot of people attempting to look for and access it, the internet will be used primarily as a source of media information. According to a United Nations assessment, as of January 2022, there were 4.95 billion internet users worldwide, or around 62.5% of the world's population. This figure has grown tremendously since 2000, making the internet a daily necessity for people.[1]

My work

In our paper we have an island standalone a child does not want to socialize much or with rare disease or prefer to be alone due to some reason or too proud to socialize.

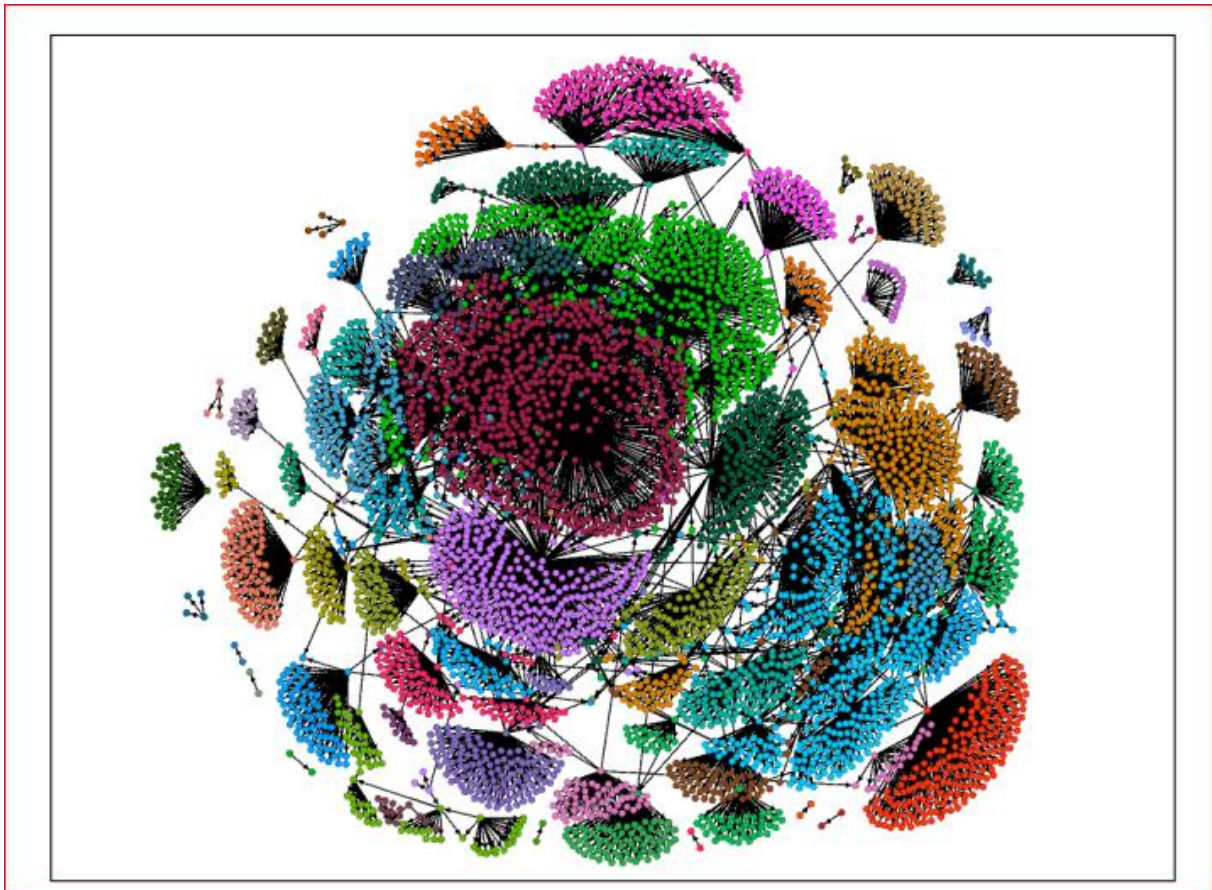


Figure 1: an article impression of growing community

$$V = \pi \int_1^n \left(\frac{1}{x}\right)^2 dx$$

Here v can be taken as volume of population

dx is one section of population

1/x is origin, affiliation, patronage, parentage, adoption

With an example try to understand what are meaning of each component in the equation

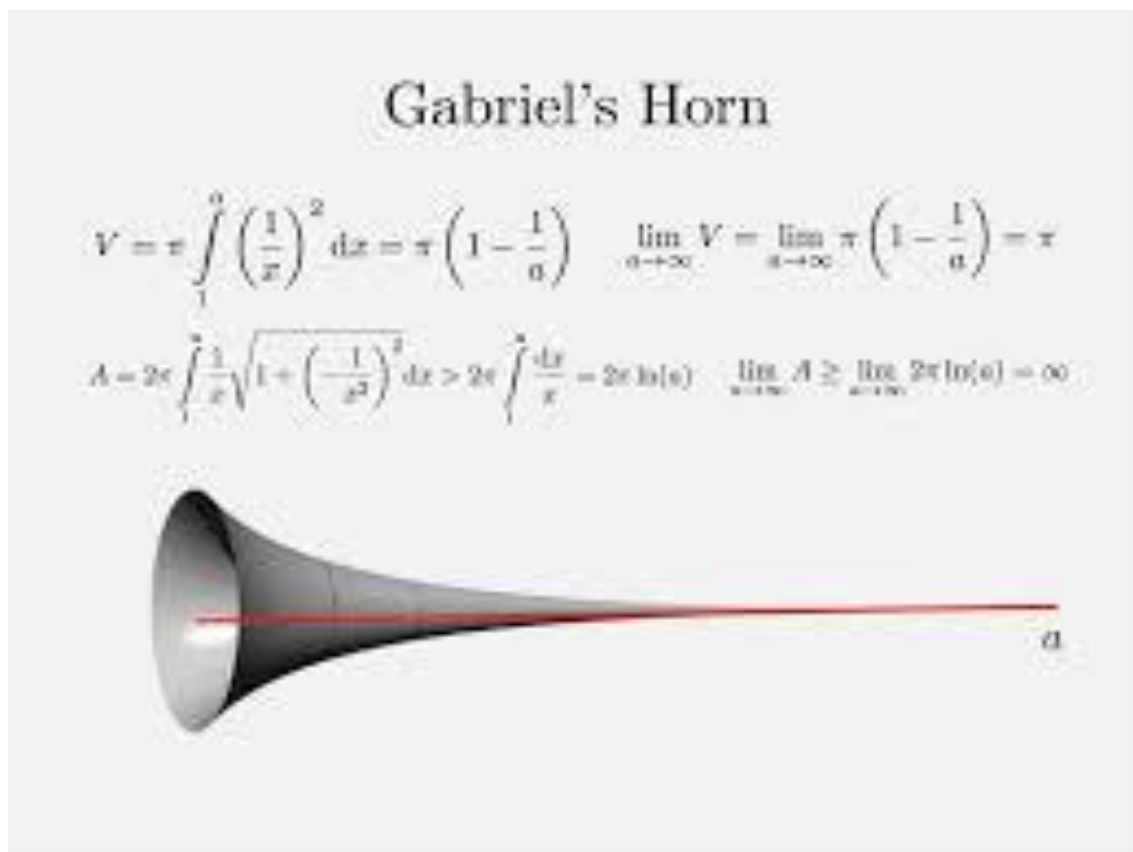
Where x is a person

V: volume of persons or population or clan

dx: small increment in family

Gabriel horn

Each data point is a person which is not possible to count without mammoth workload



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