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Organized Links and Social Learning to Recognize Anomalous Behavior

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ABSTRACT:

In this paper, we have three main steps, which is a solution, Hydra framework proposed: (i) matched against a high noise, and a long-term behavior of a mixed behavioral model analysis and multi-resolution time local supply reported missing, and a number of vehicles operated unity similarity member of each pair size described (ii) the stability of the system, not of the entire social structure of users on different platforms model rules and improve the functioning of the system and consistency in the building, so you can identify those groups, the study found that the combination can not work that connects to any level of customization; This model missing information, and multi-dimensional representation of sparse dimensions can avoid dealing with the curse is hard to deal with. 10 million users extensive testing of seven popular social networking sites, Hydra noise behavior and detailed records all data users, across different platforms, in particular at least 20% of state-of-the-art methods in the various systems, the fact that you and the environment 4 times better to prove the identity of the connected user.

INTRODUCTION:

Over the long run, many people have dreamed of the ability to carry out identity. However, the virtual world of the Internet, the emergence of online social networks in the late unless there is a possibility that not only ambitious million. In fact, every person in our social lives than ever before, providing the latest information for the exchange of different kind of revolution is easy and fun, the operation of the spread of all types of social networking services (for example, small blog, photo , video, review, site access). Unfortunately, the current social scene division information from the user, there is a persistent and disruptive. Perfection. At a certain point of view, it is a social networking service provides the user with only a partial view. User interests and user profile otherwise tulakiratuni implementation of all parts of the behavior patterns of understanding to strengthen the connection will be cross-platform. Consistency. For various reasons, information on users of the social platform, false, contradictory, missing can not be provided by and against misleading. Checking user information across multiple sites also helps to improve the stability. Continuity. Social sites come and go, it is the primary real people and just escape new ones. It can handle the challenges of research from the following aspects. Factors can not be trusted. How to register their names on the Internet varies between different platforms users. For example, if a user English communities, "Adele" will tend to add to the family name, and before or Chinese communities, may opt to "Adele," saying it is a Chinese name or funny characters is likely to put. Things are bad, people real name, women really, do not pretend to be older, male and female, do not use too. Statistical models (such as SVM [1], [2], [3]) or rule-based model [4], [5] by a username construction [1], [2] and on the Internet so far qualitative social the groups link user-minute power analysis. Data alignment error. Different site. User behavior can be differentiated based platform. For example, the user's Facebook political views, "Young Life" and publish their opinions. In addition, different types of media, for example, websites, blogs, tweets, videos and photos, the user behavior can be represented. The paper says that the odd behavior. And non-uniformity of the platform is very low quality practice that can result in relevant information, depending on. Asynchrony behavior. Even the language of similar processes often show great variation table. For example, a user in a specific period, Facebook will publish selected images from the trip. At other times, it was a trip back to the user on Twitter may be the same or different deployment images.Lack of balance data. Information is missing. Due to privacy considerations, users will not be able to hide some information on the Internet. The learning process is good for data distribution, critical information to disappear leading to great difficulty in modeling the behavior.



The above problems are two major challenges of learning and link activity. Second, difficulties. However, these methods only well-facts label when you work with the actual data are available on the ground cannot. Furthermore, the assumption on which they depend is always cultures, languages and between different platforms is true differentiation in the phone are reduced as a result. In this paper, we Hydra, linking user identity across heterogeneous modeling behavior for the platform to offer a framework. Record the problem adding long study [6], [5], we gain two important aspects of personal and social data from the technological progress comes from the need to: (i) the time dimension to track user behavior, (ii) basic social networking user, system, user, and "basic configuration" which is part of the so-called treasury is low. Intuition that (i) both the practical and the study of social behavior (for example, [7]) is sufficient for a long period of time, a high level of consistency across various platforms surprise a user's social behavior walks, the report said. (Ii)a common infrastructure across different platforms, users share and user provides highly discriminative characterization.

B)statistical distribution of variation, a long time users describe a potential trend. C), the overall behavior is appropriate for a specific period of time between user accounts to capture the extent of similar action. Natural and social infrastructure to connect the user with information about the length of the bond is about the production. Thus, the linkage function is part of the binding information can be learned very effectively on the ground. Summarized, are major contributors. 1. The model of the anomalous behavior. We conduct a new model of social solidarity and measure user behavior data, homogeneous design of all aspects of the user. The missing information can be countered with force to build long-term, multi-resolution time distribution model behavior fits the behavior and irrational behavior. 2. The stability of the system. 3. The purpose of learning models. In particular, we have to add to the activity of the fetus and the conversion formula, and create normalizedmargin - missing information-based approach to work Modeling similarities. Our theoretical analysis shows that the model of generalized semi-supervised learning framework. 4. Real Madrid set of data on a large-scale experiment.

I) English popular social networking sites popular Chinese social networking sites (ii)Hydra, a total of 10 million state-of-the-art to use against the truth.

RELATED WORK:

The area of social identity, which he co-ran in the various studies. Characteristics of the information provided by the user to use the user's personal style. , User identification information and the personal safety of users of this type of methods used to decrease symptoms. Content for the second time, is designed to link building, it is considered for the following names. It was not a lot of information. Social media links based on user behavior and user behavior. The author of the study to determine the language and writing style is to determine the authoring process. In terms of content and form of behavior: Two methods were involved in previous studies. Right content, writing style and features a second time to verify the documents and builds language models absorb or checked for the first time a large number of content features. Missing information is a complex networking system and a high degree of risk, is due to most of the devices to determine authorship.

CONCLUSION:

In this paper, we combine user accounts across multiple social networking sites. We have a framework for dealing with the challenges, Hydra, a multi-purpose social networking framework structure based learning model that includes anomalous behavior and proposed. Hydra ofthe- evaluated against actual data on the state of the art. Hydra test results to show on different platforms is the best means of determining the actual user connection. Gratitude. Singapore National Research Foundation and related IDM @ International Centre Singapore office project finance initiatives supported research, Media Development Authority (MDA) and Singapore Management University in the laboratory of the successful summit, and Chinese national territory, supported basic research program (to 973 project): 2012CB316400, and China, the National natural Science Foundation of the second part: 61303160. the authors also thank Zhang Jinbo and valuable discussions and support Ramayya or Krishna.

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