

Predicting Citation Counts For Academic Literature Using

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Predicting Citation Counts For Academic

Predicting the citation counts of academic papers is of considerable significance to scientific evaluation. This study used a four-layer Back Propagation (BP) neural network model to predict the five-year citations of 49,834 papers in the library, information and documentation field indexed by the CSSCI database and published from 2000 to 2013.

Predicting the citation counts of individual papers via a ...

Fu and Aliferis predict citation count within 10 years after publication with bibliometric information (number of articles for the first author, number of citations for the first author, number of authors, number of institutions and so on), the journal impact factor and the content of the article (title, abstract and MeSH terms).

Predicting citation count of ... - Oxford Academic

2 Predicting Citation Counts We want to predict citation counts for scientific papers. Formally, we are given a set of scientific publications D , the citation count of a publication $d \in D$ at time t is defined as: $Cit(d; t) = \sum_{d' \in D} \text{discribedby}(d, d', t)$. To achieve our goal, we need to estimate $Cit(d; t + \tau)$ for some $\tau > 0$.

Predicting Citation Counts for Academic Literature using ...

Citation count is an important factor to measure the influence of academic publications, where highly citation number indicates the recognition among peers in a field of knowledge (Zhu & Ban, 2018).

Citation Count Prediction Based on Academic Network Features

Table 2 - Author-Based Features Available Pre-Publication 2.3 Venue. The only statistically significant variable found in the first study (1) was the impact factor of the journal in which the article was published. This was an early indication of the power of the venue in determining future citation counts. If we know the journal the article will be published in, we can make more confident ...

Predicting citation counts - Research Trends

The citation count is an important factor to estimate the relevance and significance of academic publications. However, it is not possible to use this measure for papers which are too new. A solution to this problem is to estimate the future citation counts. There are existing works, which point out that graph mining techniques lead to the best results. We aim at improving the prediction of ...

Citation count prediction as a link prediction problem ...

as a candidate feature to predict citation counts. 2.2.5 Author Rank We try to identify the correlation between author rank and average citation count. Sometimes, the "fame" of an author's name ensures the amount of citations. Each author has his/her own ex-

Citation Count Prediction: Learning to Estimate Future ...

Accurate models for citation count prediction would also improve our understanding of the factors that influence citations. Predicting and understanding article citation counts is however a very hard problem both on theoretical grounds and on the basis of several decades of related empirical work. In fact, the bulk of the literature concerning ...

Models for Predicting and Explaining Citation Count of ...

Intuitively, peer review data should be useful to predict future impact of a paper, since the review text contains assessment comments from domain experts. To address the need for predicting citation count based on peer reviews, we present this dataset. Datasets. We present the statistics of the linked dataset in the following table: Download ...

GitHub - RUCAlBox/Citation-Count-Prediction: this ...

Citation prediction of scholarly papers has been extensively investigated, and these studies are mostly based on the analysis of mixture of features, including author-based features (the number of authors, the country of the author's institution, authors' authority, etc.), journal-based features (the total citations of the journal, journal impact factor, keyword frequency of each journal ...

Predicting the citations of scholarly paper - ScienceDirect

MeSH terms were applied to predict the number of article citations. We then examined the prediction power with the correlation coefficients between MeSH weights and article citations. Results: The citation counts for the 100 articles ranged from 24 to 127, with an average of 39.1 citations.

Predicting article citations using data of 100 top-cited ...

Academic rising stars prediction is considered to be a classification or regression task in the field of machine learning. Traditional methods of building label information for this task are only based on the increment of citation count, which cannot adequately reflect the evolution of a scholar's academic influence.

Academic rising star prediction via scholar's evaluation ...

number of citation counts of papers, because this indicator is widely used in the evaluation of scientific publications, and it also serves as the basis for many other indicators (such as the h-index). Therefore, it is very important to be able to accurately predict the citation counts of academic papers.

Utilizing Citation Network Structure to Predict Citation Counts ...

Finally, we aim to build a model to predict the number of citations a paper obtains based on these features. Related Work As graduate students, we have a vested interest in analyzing citation counts - with this project, we may be able to gain insights that will help us write more highly cited papers.

Overview - Predicting Citation Counts of arXiv Papers

performance across domains - while our models can predict citation count well in some domains (e.g., 0.39 in Medicine and 0.35 in Biology) they have more limited success in others (e.g., 0.17 in Physics). Note that previous studies focused on predicting citation counts for papers from these relatively easy domains.

Predicting Citation Counts Using Text and Graph Mining

There is a rich literature on the topics of defining and predicting the impact of academic papers. Citation counts are the traditional and most straightforward way of measuring the impact of an individual paper. Citation counts have been used to distinguish between 'classic' papers which continue to be cited long after

Predicting High Impact Academic Papers Using Citation ...

Therefore, it is very important to be able to accurately predict the citation counts of academic papers. This paper proposes an end-to-end deep learning network, DeepCCP, which combines the effect of information cascade and looks at the citation counts prediction problem from the perspective of information cascade prediction.

Utilizing Citation Network Structure to Predict Citation ...

On Modeling and Predicting Individual Paper Citation Count over Time Shuai Xiao¹, Junchi Yan^{2,3*}, Changsheng Li³, Bo Jin² Xiangfeng Wang², Xiaokang Yang¹, Stephen M. Chu³, Hongyuan Zha² 1 Shanghai Jiao Tong University 2 East China Normal University 3 IBM Research - China {benjaminforever, xkyang}@sjtu.edu.cn {jcyan, bjin, xfwang, zha}@sei.ecnu.edu.cn, {lcscheng, schu}@cn.ibm.com

On Modeling and Predicting Individual Paper Citation Count ...

counts of papers [6, 8]. Instead of predicting citation counts, we classify a paper's impact into one of a group of buckets based on citation count. A paper with 0, 1, or 2 citations has not had a wide impact, and one with 50 or 200 citations is being cited a significant amount. Accordingly,

Predicting Paper Quality in the Biological Sciences

Determine final citation counts for your publications Total citations for each type of publication can be used in the documentation for tenure, promotion, grant proposals, etc. In RefWorks, select the Organize and Share tab. Identify the number of citations in the Citation Subfolders under each Master List folder.

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