# Project-2-2-Copy1

### December 7, 2018

```
In [1]: import pandas as pd
    import numpy as np
    import seaborn as sns
    import csv
    import json
    import collections
    import scholarly
    from itertools import product
    import nltk
    import spacy
    import matplotlib.pyplot as plt
    nlp = spacy.load('en_core_web_md')
```

### 1 Parse our data into CSV file

```
In [2]: def generate_citation_count(citation_dict, df):
            citation_list = zerolistmaker(df.shape[0])
            for key in citation_dict:
                citation_list[int(key)] = citation_dict[key]
            return citation_list
In [3]: def zerolistmaker(n):
            listofzeros = [0] * n
            return listofzeros
In [4]: def parse_data_into_dataframe(filename):
            row = []
            df = pd.DataFrame()
            refCount = 0
            title = None
            authors = None
            year = None
            publication_venue = None
            index = None
            abstract = None
            citation_dict = {}
```

```
with open(filename) as file:
    content = {}
    for line in file:
        if(len(line) > 2):
            #* --- paperTitle
            #@ --- Authors
            #t ---- Year
            #c --- publication venue
            #index 00---- index id of this paper
            #% ---- the id of references of this paper (there are multiple lines,
            #! --- Abstract
            value = line[2:-1]
            if(line[1] =='*'):
                title = value
            elif(line[1] =='@'):
                authors = value
            elif(line[1] == 't'):
                year = value
            elif(line[1] =='c'):
                publication_venue = value
            elif(line[1] =='i'):
                index = value[4:]
            elif(line[1] == '%'):
                if(value in citation_dict):
                    citation_dict[value] = citation_dict[value] + 1
                else:
                    citation_dict[value] = 1
            elif(line[1] == '!'):
                abstract = value
        if(line == '\n'):
            content = {'paperTitle': title, 'Authors' : authors, 'Year': year, 'pu'
            row.append(content)
            title = None
            authors = None
            year = None
            publication_venue = None
            index = None
            abstract = None
df = pd.DataFrame(row)
df['citation_count'] = generate_citation_count(citation_dict, df)
return df
```

# 2 Concat our data from multiple data sets and write it into a CSV file.

```
In [5]: def concat_data():
            df_1 = parse_data_into_dataframe('outputacm.txt')
            df_2 = parse_data_into_dataframe('citation-network2.txt')
            df_1 = df_1.drop(['index id'], axis=1)
            df_2 = df_2.drop(['index id'], axis=1)
            df_m = pd.concat([df_1, df_2], ignore_index=True)
            df_3 = parse_data_into_dataframe('V3.txt')
            df 3 = df 3.drop(['index id'], axis=1)
            df_m1 = pd.concat([df_m, df_3], ignore_index=True)
            return df m1
        train_df = parse_data_into_dataframe('citation-network2.txt')
        train df
Out [5]:
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                 Scholars continue to find that political parti...
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                 In this paper, we explore the feasibility of u...
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                 Distributed filesystems are a typical solution...
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                 No question times are tough for many working e...
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paperTitle

Static and Dynamic Metrics for Effective Objec...

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         Who participates and why?: an analysis of citi...
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         Universal parametrization in constructing smoo...
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         Data Allocation and Load Balancing for Heterog...
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         Unification and Consistency Verification of Ob...
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1397237	Carbon-fate maps for metabolic reactions	
1397238	Virtual Prototyping of Novel Cathode Designs f	
1397239	Knowledge Management in Renewing Software Deve	
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0	Proceedings of the Fifth Asia Pacific Software	3
1	Social Science Computer Review	9
2	Sys Admin	0
3	Computer Aided Geometric Design	1
4	Proceedings of the 3st International Symposium	0
5	IEEE Spectrum	0
6	Proceedings of the 1999 International Symposiu	2
7	Proceedings of the 7th International Symposium	0
8	AI Communications	0
9	Journal of Systems and Software	0
10	Proceedings of the International Conference on	2
11	Proceedings of the Conference on Data Compression	2
12	Proceedings of the Fifth Asia Pacific Software	0
13	Journal of Computational and Applied Mathematics	1
14	Computing in Science and Engineering	0
15	Interfaces	0
16	Proceedings of the 27th Annual IEEE Conference	0
17	Proceedings of the 11th IFIP WG10.2 Internatio	8
18	Journal of Combinatorial Theory Series B	2
19	Proceedings of the Second European Symposium o	14
20	Mustererkennung 1998, 20. DAGM-Symposium	0
21	Technology and Health Care	0
22	Proceedings of the 6th European Conference on	0
23	Proceedings of the First International Confere	1
24	Systems Analysis Modelling Simulation	0
25	Proceedings of the 2002 international symposiu	2
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27	Very Large Data Bases	3
28	Proceedings of the 8th International Conferen	0
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        [1397240 rows x 7 columns]
In [6]: train_df.to_csv('train_new.csv', index=False)
In [7]: columns = ['Abstract', 'Authors', 'Year', 'index id', 'paperTitle', 'publication venue
In [8]: train_df = pd.read_csv('train_new.csv', nrows=10000)
In [9]: train df
Out [9]:
                                                         Abstract
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              Scholars continue to find that political parti...
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              In this paper, we explore the feasibility of u...
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              Distributed filesystems are a typical solution...
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              No question times are tough for many working e...
              The objective of the Collaboration Management ...
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              Instance based learning and clustering are pop...
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              Dynamic memory management has been an importan...
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      In this paper we consider the problem of resyn...
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      An approach to solve constrained minimization ...
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      The Surface Science Spectra journal is a spect...
      Up to 1995, all-star selection in the Ontario-...
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      Traditionally, voice communication over the lo...
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      Let G = (V, E) be a graph and r : V Z+. An r...
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      This paper describes the concept of GUI applic...
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      With promises of improved efficiencies, produc...
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      This study explores the premise that knowledge...
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      The paper considers the design of nearly perfe...
      Conventional fault relationships are mostly re...
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      For nontrivial general (open) queueing network...
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      Interactive system design requires good descri...
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9978	Panel Chair: Tom Hilburn, Software Engineering	
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9982	The Expected Size of Heilbronn's Triangles	
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1	Social Science Computer Review	9
2	Sys Admin	0
3	Computer Aided Geometric Design	1
4	Proceedings of the 3st International Symposium	0
5	IEEE Spectrum	0
6	Proceedings of the 1999 International Symposiu	2
7	Proceedings of the 7th International Symposium	0
8	AI Communications	0
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13	Journal of Computational and Applied Mathematics	1
14	Computing in Science and Engineering	0
15	Interfaces	0
16	Proceedings of the 27th Annual IEEE Conference	0
17	Proceedings of the 11th IFIP WG10.2 Internatio	8
18	Journal of Combinatorial Theory Series B	2
19	Proceedings of the Second European Symposium o	14
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21	Technology and Health Care	0
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9975	Proceedings of the 10th Anniversary Compendium	0
9976	Performance Evaluation	3
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9979	Proceedings of the 10th International Conferen	6
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9981	Proceedings of the 9th International Conferenc	0
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9984	Social Science Computer Review Revised Papers and Invited Contributions from	2
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9996	Mustererkennung 1997, 19. DAGM-Symposium	0
9997	Fuzzy Sets and Systems	0
9998	Transform Magazine	0
9999	Proceedings of the First Australasian User Int	1

#### 3 Get test data from Arxiv

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In [10]: #Parse JSON data and create a df
         def parse_json_data_into_dataframe(filename, nrows):
             data = []
             count = 0
             with open(filename) as f:
                 for line in f:
                     if(count >= nrows):
                         break
                     data.append(json.loads(line))
             df = pd.DataFrame(data);
             return df;
In [11]: with open ('arxivData.json', 'rb') as f:
             data = json.load(f)
         #author = data['author']
         new_df = pd.DataFrame(data)
         author_list = []
         authors = new_df['author']
         authors
         new_df
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8
       Together with the development of more accurate...
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       Transforming a graphical user interface screen...
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       The ability of the Generative Adversarial Netw...
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       Supervised machine learning models boast remar...
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       Deep neural networks require a large amount of...
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       We propose a new algorithm for training genera...
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       In \citep{Yangnips13}, the author presented di...
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       In a multi-armed bandit problem, an online alg...
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       Although Support Vector Machine (SVM) algorith...
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       In this paper we provide a fully distributed i...
40976 We studied classification of human ECGs labell...
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      With the rapid advance of Internet technology ...
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       In this work, we propose two stochastic archit...
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       We study the design of interactive clustering ...
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       In today's information systems, the availabili...
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       In this paper we address the problem of recove...
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       In this paper, we consider an intrusion detect...
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       We derive nonparametric confidence intervals f...
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       Approachability theory, introduced by Blackwel...
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       The increasing use of renewable energy sources...
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       The current biochemical information processing...
       This paper aims at providing a survey on the p...
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       The dominant cost in solving least-square prob...
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       Bioinformatics incorporates information regard...
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       Understanding the affective, cognitive and beh ...
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       The success of the human-robot co-worker team ...
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       We present the first sample compression algori...
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       Using the recently developed framework of [Dan...
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      MOOCs have the potential to revolutionize high...
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       We study the complexity of learning and approx...
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       We consider the problem of multiple users targ...
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       In this paper, we compare and analyze clusteri...
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       Cylindrical algebraic decomposition(CAD) is a ...
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                A Comparison of Clustering and Missing Data Me...
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                Applying machine learning to the problem of ch...
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                A Multi Level Data Fusion Approach for Speaker...
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                                                                    2014
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In [12]: final_list = []
         citation_count_list = []
         for entry in authors:
             a = entry
             all authors = ""
             a = a[1:-1]
             a list = a.split(",")
             for author in a_list:
                 author_name = author[1:-1].split(":")
                 if(len(author_name) > 1):
                     author_name = author_name[1].replace("'","")
                     all_authors += author_name + ","
             all_authors = all_authors[:-1]
             final_list.append(all_authors)
             citation_count_list.append(0)
In [13]: test1 = pd.DataFrame()
         test1["authors"] = final_list
         new_df["author"] = test1["authors"]
         new_df = new_df.drop("link", axis = 1)
         new_df = new_df.drop("tag", axis = 1)
         new_df = new_df.drop("day", axis = 1)
         new_df = new_df.drop("month", axis = 1)
         new_df['Authors'] = new_df['summary']
         new_df = new_df.drop("summary", axis = 1)
         new_df.columns = ['Authors', 'index id', 'paperTitle', 'Year', 'Abstract']
         test_df = new_df
In [14]: test_df['citation_count'] = citation_count_list
         test_df.to_csv('test_new.csv', index=False)
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98 Recurrent Neural Network Training with Dark Kn...
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16 We propose a simple neural network model to de...
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26 We propose a new algorithm for training genera...
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29 In this study, we systematically investigate t...
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71 We address an important problem in sequence-to...
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72 Over the past decade, large-scale supervised 1...
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73 We investigate evaluation metrics for dialogue...
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74 Sequential data often possesses a hierarchical...
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75 Many important NLP problems can be posed as du...
76 We introduce LL-RNNs (Log-Linear RNNs), an ext...
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78 Recurrent neural networks are a powerful tool ...
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89 Speech recognition is largely taking advantage...
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	14 15	Tejas D. Kulkarni, Karthik R. Narasimhan, Ard	1604.06057v2
	15 16	Deepak Pathak, Ross Girshick, Piotr Dollár, T	1612.06370v2
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74	A Hierarchical Latent Variable Encoder-Decoder	2016
75	Neural Associative Memory for Dual-Sequence Mo	2016
76	Log-Linear RNNs: Towards Recurrent Neural Netw	2016
77	Embracing data abundance: BookTest Dataset for	2016
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84	A Joint Model for Question Answering and Quest	2017
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86	Why PairDiff works? A Mathematical Analysis	2017
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88	A Neural Comprehensive Ranker (NCR) for Open-D	2017
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91	Building DNN Acoustic Models for Large Vocabul	2014
92	Deep Recurrent Neural Networks for Acoustic Mo	2015
93	Regularizing RNNs by Stabilizing Activations	2015
94	Outrageously Large Neural Networks: The Sparse	2017
95	Discourse-Based Objectives for Fast Unsupervis	2017
96	Learning Convolutional Text Representations fo	2017
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98	Recurrent Neural Network Training with Dark Kn	2015
99	Long Short-Term Memory Based Recurrent Neural	2014
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9	Transforming a graphical user interface screen	0
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13	While perception tasks such as visual object r	0
14	Learning goal-directed behavior in environment	0
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16	We propose a simple neural network model to de	0

17	Recent studies have demonstrated the power of	0
18	In this paper, we address the task of Optical	0
19	The ability of the Generative Adversarial Netw	0
20	Supervised machine learning models boast remar	0
21	In this paper, we focus on online representati	0
22	Deep neural networks require a large amount of	0
23	An important goal of computer vision is to bui	0
24	While deep learning is remarkably successful o	0
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26	We propose a new algorithm for training genera	0
27	Adaptive gradient methods have become recently	0
28	We investigate the non-identifiability issues	0
29	In this study, we systematically investigate t	0
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70	We review the task of Sentence Pair Scoring, p	0
71	We address an important problem in sequence-to	0
72	Over the past decade, large-scale supervised 1	0
73	We investigate evaluation metrics for dialogue	0
74	Sequential data often possesses a hierarchical	0
75	Many important NLP problems can be posed as du	0
76	We introduce LL-RNNs (Log-Linear RNNs), an ext	0
77	There is a practically unlimited amount of nat	0
78	Recurrent neural networks are a powerful tool	0
79	There exist many problem domains where the int	0
80	Neural language models predict the next token	0
81	This paper proposes a new model for extracting	0
82	We introduce an attention-based Bi-LSTM for Ch	0
83	Automated story generation is the problem of a	0
84	We propose a generative machine comprehension	0
85	Model compression is significant for the wide	0
86	Representing the semantic relations that exist	0
87	We propose Object-oriented Neural Programming	0
88	This paper proposes a novel neural machine rea	0
89	Speech recognition is largely taking advantage	0
90	Training a task-completion dialogue agent with	0
91	Deep neural networks (DNNs) are now a central	0
92	We present a novel deep Recurrent Neural Netwo	0
93	We stabilize the activations of Recurrent Neur	0
94	The capacity of a neural network to absorb inf	0
95	This work presents a novel objective function	0
96	Visual question answering is a recently propos	0
97	In this paper, we propose a novel neural netwo	0
98	Recurrent neural networks (RNNs), particularly	0
99	Long Short-Term Memory (LSTM) is a recurrent n	0

[100 rows x 6 columns]

## 4 Get Domain of each paper using Scumpy based on NER

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In [19]: domain_list = ["Biomedical Research", "Chemistry", "Biology", "Economics", "Earth Scientific Companies", "Earth Scientific Companies, "Earth Scientific Companies", "Earth Scient
                                                      "Political", "Economics", "Literature", "Computer Science", "Software
                                                     "Physics", "History", "Art", "Statistics", "Business", "Health", "Geom
In [20]: def get_domain(string):
                            valid_domain = 'N/A'
                            max_score = 0
                            word1 = nlp(string)
                            for domain in domain_list:
                                     word2 = nlp(domain)
                                     score = word1.similarity(word2)
                                     if max_score < score:</pre>
                                             max_score = score
                                             valid_domain = domain
                            return valid_domain
In [21]: def fetch_domain_for_each_paper(df):
                            domain_list1 = []
                            for index,row in df.iterrows():
                                     author_domain = get_domain(row["paperTitle"])
                                     domain_list1.append(author_domain)
                            df["domain"] = domain_list1
                            return df
In [22]: train_df = fetch_domain_for_each_paper(train_df)
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Out [24]:
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3
4
    We present MILABOT: a deep reinforcement learn...
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5
    We propose a new generative model of sentences...
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6
    We present MILABOT: a deep reinforcement learn...
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7
   The paper introduces a new method for discrimi...
                                                                    0
   Together with the development of more accurate...
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9
   Transforming a graphical user interface screen...
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10 Learned feature representations and sub-phonem...
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   We propose Efficient Neural Architecture Searc...
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12
   Recent progress in artificial intelligence (AI...
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13
   While perception tasks such as visual object r...
14 Learning goal-directed behavior in environment...
                                                                    0
   This paper presents a novel yet intuitive appr...
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16
   We propose a simple neural network model to de...
                                                                    0
17
   Recent studies have demonstrated the power of ...
                                                                    0
   In this paper, we address the task of Optical ...
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18
   The ability of the Generative Adversarial Netw...
19
                                                                    0
20
   Supervised machine learning models boast remar...
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   In this paper, we focus on online representati...
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   Deep neural networks require a large amount of...
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23 An important goal of computer vision is to bui...
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24 While deep learning is remarkably successful o...
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25 While the optimization problem behind deep neu...
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   We propose a new algorithm for training genera...
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26
   Adaptive gradient methods have become recently...
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28 We investigate the non-identifiability issues ...
29 In this study, we systematically investigate t...
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70 We review the task of Sentence Pair Scoring, p...
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71 We address an important problem in sequence-to...
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72	Over the past decade, large-scale supervised 1	0
73	We investigate evaluation metrics for dialogue	0
74	Sequential data often possesses a hierarchical	0
75	Many important NLP problems can be posed as du	0
76	We introduce LL-RNNs (Log-Linear RNNs), an ext	0
77	There is a practically unlimited amount of nat	0
78	Recurrent neural networks are a powerful tool	0
79	There exist many problem domains where the int	0
80	Neural language models predict the next token	0
81	This paper proposes a new model for extracting	0
82	We introduce an attention-based Bi-LSTM for Ch	0
83	Automated story generation is the problem of a	0
84	We propose a generative machine comprehension	0
85	Model compression is significant for the wide	0
86	Representing the semantic relations that exist	0
87	We propose Object-oriented Neural Programming	0
88	This paper proposes a novel neural machine rea	0
89	Speech recognition is largely taking advantage	0
90	Training a task-completion dialogue agent with	0
91	Deep neural networks (DNNs) are now a central	0
92	We present a novel deep Recurrent Neural Netwo	0
93	We stabilize the activations of Recurrent Neur	0
94	The capacity of a neural network to absorb inf	0
95	This work presents a novel objective function	0
96	Visual question answering is a recently propos	0
97	In this paper, we propose a novel neural netwo	0
98	Recurrent neural networks (RNNs), particularly	0
99	Long Short-Term Memory (LSTM) is a recurrent n	0

### domain Science

Computer	Science
Computer	Science
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Computer	Science
Computer	${\tt Science}$
Computer	Science
Computer	Science
,	Software
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Computer	Science Software
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18
                 Computer Science
         19
                        Political
         20
                          History
         21
                 Computer Science
         22
                 Computer Science
         23
                 Computer Science
         24
                        Political
         25
                    Earth Science
         26
                        Political
         27
                    Earth Science
         28
                 Computer Science
         29
                 Computer Science
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         70
                 Computer Science
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                 Computer Science
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                 Computer Science
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                 Computer Science
         74
                         Software
         75
                 Computer Science
         76
                 Computer Science
         77
                 Computer Science
         78
             Biomedical Research
         79
                 Computer Science
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                 Computer Science
         81
                         Business
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                        Political
         83
                 Computer Science
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                 Computer Science
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                 Computer Science
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                 Computer Science
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                 Computer Science
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                           Health
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                         Business
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                 Computer Science
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                 Computer Science
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                         Software
         94
                 Computer Science
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                 Computer Science
         96
                 Computer Science
         97
                         Software
         98
                 Computer Science
         99
                 Computer Science
         [100 rows x 7 columns]
In [25]: paper_domain_dict = {}
         for index, rows in train_df.iterrows():
```

```
domain = rows["domain"]
if domain in paper_domain_dict:
    paper_domain_dict[domain] += 1
else:
    paper_domain_dict[domain] = 1
```

## 5 Generate Author Table

```
In [26]: author_papers = {}
         author_citations = {}
         author_citations_list = {}
         author_domain_list = {}
         for index,row in train_df.iterrows():
             authors = row["Authors"]
             authors_list = authors.split(',')
             for author in authors_list:
                 if author in author papers:
                     author_papers[author] += 1
                 else:
                     author_papers[author] = 1
                 if author in author citations:
                     author_citations[author] += row["citation_count"]
                 else:
                     author_citations[author] = row["citation_count"]
                 if author in author_citations_list:
                     author_citations_list[author].append(row["citation_count"])
                 else:
                     author_citations_list[author] = [row["citation_count"]]
                 if author not in author_domain_list:
                     author_domain_list[author] = row["domain"]
In [27]: def compute_h_index(citations):
             hIndex = 0
             citations.sort(reverse=True)
             for i in range(len(citations)):
                 if citations[i] >= i + 1:
                     hIndex = i+1
             return hIndex
In [28]: def compute_i10_index(citations):
             count = 0;
             for i in range(len(citations)):
                 if citations[i] >= 10:
                     count = count + 1
             return count;
In [29]: def compute_g_index(citations, avg_citations):
             count = 0;
```

```
for i in range(len(citations)):
                                        if citations[i] >= avg_citations:
                                                  count = count + 1
                              return count;
In [30]: def generate_author_table():
                              authors_list = []
                              citation_count_list = []
                              paper_count_list = []
                              h_index_list = []
                              g_index_list = []
                               i10_index_list = []
                              domain_list = []
                               for key in author_citations:
                                        authors_list.append(key)
                                        citation_count_list.append(author_citations[key])
                                        h_index_list.append(compute_h_index(author_citations_list[key]))
                                        i10_index_list.append(compute_i10_index(author_citations_list[key]))
                                        g_index_list.append(compute_g_index(author_citations_list[key], author_citations_list[key], author_citations_list[
                                        paper_count_list.append(author_papers[key])
                                        domain_list.append(author_domain_list[key])
                               df_new = pd.DataFrame()
                               df_new["author_name"] = authors_list
                               df_new["citation_count"] = citation_count_list
                               df_new["paper_count"] = paper_count_list
                               df_new["h_index"] = h_index_list
                              df_new["i10_index"] = i10_index_list
                              df_new["g_index"] = g_index_list
                              df_new["domain"] = domain_list
                              return df_new
                     df_n = generate_author_table()
In [31]: df_n = df_n.sort_values(by='h_index', ascending=False)
                     df_n["average_citations"] = df_n["citation_count"]/df_n["paper_count"]
In [32]: score_list = []
                     for index, rows in df_n.iterrows():
                               count = rows['paper_count']
                               domain = rows["domain"]
                              total_count = paper_domain_dict[domain]
                               score_list.append(count / total_count)
                     df_n['domain_Score'] = score_list
                     df_n
Out [32]:
                                                                    author_name citation_count paper_count h_index \
                                               Christoph Weidenbach
                                                                                                                                                                 5
                                                                                                                                                                                       5
                     4578
                                                                                                                                93
                     4073
                                                                    Amir Pnueli
                                                                                                                                32
                                                                                                                                                                 6
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3834	Ming C. Lin	51	4	4
814	Harald Ganzinger	29	6	4
6058	Frank Pfenning	150	7	4
3026	George L. Nemhauser	62	6	4
815	Andrei Voronkov	42	10	4
5885	Salil Vadhan	43	4	4
8114	Marc Joye	29	4	4
2701	David Pisinger	46	4	4
3040	Michael J. Black	53	4	4
2702	Paolo Toth	44	5	4
3320	David Blaauw	77	5	4
4068	Joachim Weickert	19	5	4
5192	Yuxin Chen	23	4	3
1119	B. Maggs	11	3	3
6363	Douglas W. Oard	23	3	3
2123	Moshe Y. Vardi	22	3	3
3773	Gerth Stølting Brodal	26	4	3
11803	Peter F. Patel-Schneider	34	4	3
1595	Robert K. Brayton	29	3	3
11802	Ian Horrocks	37	4	3
2881	Gilles Bertrand	20	5	3
8743	Jiawei Han	19	4	3
423	Rolf Ernst	45	5	3
6105	I. Walukiewicz	31	4	3
2163	S. Akamatsu	73	3	3
11797	Iliano Cervesato	40	3	3
2418	Cynthia Barnhart	28	3	3
2804	M. Rebaudengo	20	6	3
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12225	Khanh Nguyen-Phi	0	1	0
12226	Hans Weinrichterr	0	1	0
12228	Elena V. Zudilova	0	1	0
12229	Larry Greenemeier	0	2	0
12230	Anthony Lauder	0	1	0
12231	J. Hong	0	1	0
12232	D. Kim	0	1	0
12233	Chisa Sumitomo	0	1	0
12208	Bruce Kogut	0	1	0
12206	Marcelo Salinas	0	1	0
12181	Harris G. Makatsoris	0	1	0
12205	Eduardo S. Schwartz	0	1	0
4344	Ishfaq Ahmad	0	2	0
12184	Vincent Y. Lum	0	1	0
12185	F. W. Lee	0	1	0
12186	S. K. Fong	0	1	0
4342	Magdi M. A. Morsi	0	1	0
12188	Travis E. Doom	0	2	0
12189	Anthony S. Wojcik	0	1	0

12190   Moon-Jung Chung   0	40400			<b>~</b> 1	•		
12192		I <sup>v</sup> .	_	_			
12193				•			
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12196						1	
4341	12195		P. J	ulien	0	1	0
A336	12196		0.	Jamet	0	1	0
12204   10099   Ron Anderson   0   1   0   0   1   0   0   1   0   0	4341		Teade P	unter	0	1	0
110_index	4336		Paul Syv	erson	0	1	0
110_index	12204	Go	nzalo Cor	tazar	0	1	0
4578         4         3         Software         18.600000         0.004955           4073         1         2         Computer Science         5.333333         0.001162           3834         4         2         Computer Science         12.750000         0.000775           814         0         3         Political         4.833333         0.022642           6058         3         2         Geometry         21.428571         0.012658           3026         3         2         Business         10.333333         0.005720           815         2         4         Political         4.200000         0.037736           5885         1         1         Computer Science         10.750000         0.000773           8114         0         2         Geometry         7.250000         0.00773           3040         3         2         Computer Science         13.250000         0.000775           2702         3         3         Computer Science         13.250000         0.004955           4068         0         4         Political         3.800000         0.004955           4068         0         4         Political         3.800	10099		Ron And	erson	0	1	0
4578         4         3         Software         18.600000         0.004955           4073         1         2         Computer Science         5.333333         0.001162           3834         4         2         Computer Science         12.750000         0.000775           814         0         3         Political         4.833333         0.022642           6058         3         2         Geometry         21.428571         0.012658           3026         3         2         Business         10.333333         0.005720           815         2         4         Political         4.200000         0.037736           5885         1         1         Computer Science         10.750000         0.000773           8114         0         2         Geometry         7.250000         0.00773           3040         3         2         Computer Science         13.250000         0.000775           2702         3         3         Computer Science         13.250000         0.004955           4068         0         4         Political         3.800000         0.004955           4068         0         4         Political         3.800							
4073         1         2         Computer Science         5.333333         0.001162           3834         4         2         Computer Science         12.750000         0.000775           814         0         3         Political         4.833333         0.022642           6058         3         2         Geometry         21.428571         0.012658           3026         3         2         Business         10.333333         0.005720           815         2         4         Political         4.200000         0.037736           5885         1         1         Computer Science         10.750000         0.000775           8114         0         2         Geometry         7.250000         0.00773           2701         3         2         Computer Science         11.500000         0.000735           3040         3         2         Computer Science         8.80000         0.000755           4068         0         4         Political         3.80000         0.004955           4068         0         4         Political         3.80000         0.004955           4068         0         4         Political         3.80000 </td <td></td> <td>i10_index</td> <td>g_index</td> <td>domain</td> <td>average</td> <td>_citations</td> <td>domain_Score</td>		i10_index	g_index	domain	average	_citations	domain_Score
3834         4         2         Computer Science         12.750000         0.000775           814         0         3         Political         4.833333         0.022642           6058         3         2         Geometry         21.428571         0.012658           3026         3         2         Business         10.333333         0.005720           815         2         4         Political         4.200000         0.037736           5885         1         1         Computer Science         10.750000         0.00775           3040         3         2         Computer Science         11.500000         0.000775           3040         3         2         Computer Science         13.250000         0.000775           3040         3         2         Computer Science         13.250000         0.000775           3040         3         2         Computer Science         18.800000         0.000968           3320         2         2         Software         15.40000         0.004955           4068         0         4         Political         3.80000         0.004968           5192         1         2         Business <t< td=""><td>4578</td><td>4</td><td>3</td><td>Software</td><td>_</td><td>18.600000</td><td>0.004955</td></t<>	4578	4	3	Software	_	18.600000	0.004955
3834         4         2         Computer Science         12.750000         0.000775           814         0         3         Political         4.833333         0.022642           6058         3         2         Geometry         21.428571         0.012658           3026         3         2         Business         10.333333         0.005720           815         2         4         Political         4.200000         0.037736           5885         1         1         Computer Science         10.750000         0.00775           8114         0         2         Geometry         7.250000         0.00775           3040         3         2         Computer Science         11.50000         0.000775           3040         3         2         Computer Science         13.250000         0.000775           3040         3         2         Computer Science         18.800000         0.000968           3320         2         2         Software         15.40000         0.004955           4068         0         4         Political         3.80000         0.004968           5192         1         2         Business         5.750000<	4073	1	2	Computer Science		5.333333	0.001162
814         0         3         Political         4.833333         0.022642           6058         3         2         Geometry         21.428571         0.012658           3026         3         2         Business         10.333333         0.005720           815         2         4         Political         4.200000         0.037736           5885         1         1         Computer Science         10.750000         0.00775           8114         0         2         Geometry         7.250000         0.00773           8114         0         2         Geometry         7.250000         0.007233           2701         3         2         Computer Science         11.500000         0.00775           3040         3         2         Computer Science         8.800000         0.00775           2702         3         3         Computer Science         15.40000         0.00495           3320         2         2         Software         15.40000         0.00496           5192         1         2         Business         5.750000         0.003813           1119         0         2         Software         3.666667         <	3834	4	2	-		12.750000	0.000775
6058         3         2         Geometry         21.428571         0.012658           3026         3         2         Business         10.333333         0.005720           815         2         4         Political         4.200000         0.037736           5885         1         1         Computer Science         10.750000         0.00775           8114         0         2         Geometry         7.250000         0.00773           2701         3         2         Computer Science         11.500000         0.000775           3040         3         2         Computer Science         13.250000         0.000775           2702         3         3         Computer Science         8.800000         0.00968           3320         2         2         Software         15.400000         0.01868           4068         0         4         Political         3.800000         0.003813           1119         0         2         Software         3.666667         0.002973           6363         1         1         History         7.666667         0.019417           2123         1         1         Political         7.333333	814	0	3	-			
3026         3         2         Business         10.333333         0.005720           815         2         4         Political         4.200000         0.037736           5885         1         1         Computer Science         10.750000         0.000775           8114         0         2         Geometry         7.250000         0.007723           2701         3         2         Computer Science         11.500000         0.000775           3040         3         2         Computer Science         8.800000         0.000775           2702         3         3         Computer Science         8.800000         0.000963           3320         2         2         Software         15.40000         0.004955           4068         0         4         Political         3.800000         0.004955           4068         0         4         Political         3.800000         0.003813           1119         0         2         Software         3.666667         0.002973           6363         1         1         History         7.666667         0.01417           2123         1         1         Political         7.333333							
815         2         4         Political         4.200000         0.037736           5885         1         1         Computer Science         10.750000         0.000775           8114         0         2         Geometry         7.250000         0.007233           2701         3         2         Computer Science         11.500000         0.000775           3040         3         2         Computer Science         8.800000         0.000765           3702         3         3         Computer Science         8.800000         0.000968           3320         2         2         2         Software         15.40000         0.004955           4068         0         4         Political         3.80000         0.018868           5192         1         2         Business         5.750000         0.03813           1119         0         2         Software         3.666667         0.002973           6363         1         1         History         7.666667         0.010417           2123         1         1         Political         7.333333         0.011321           3773         1         2         Geometry         6				•			
5885         1         1         Computer Science         10.750000         0.000775           8114         0         2         Geometry         7.250000         0.007233           2701         3         2         Computer Science         11.500000         0.000775           3040         3         2         Computer Science         8.800000         0.000775           2702         3         3         Computer Science         8.800000         0.000963           3320         2         2         Software         15.40000         0.004955           4068         0         4         Political         3.800000         0.018868           5192         1         2         Business         5.750000         0.03813           1119         0         2         Software         3.666667         0.002973           6363         1         1         History         7.666667         0.01417           2123         1         1         Political         7.333333         0.011321           3773         1         2         Geometry         6.500000         0.007233           11803         2         2         Software         9.566667			_				
8114       0       2       Geometry       7.250000       0.007233         2701       3       2       Computer Science       11.500000       0.000775         3040       3       2       Computer Science       13.250000       0.000775         2702       3       3       Computer Science       8.800000       0.000968         3320       2       2       2       Software       15.40000       0.004955         4068       0       4       Political       3.800000       0.018868         5192       1       2       Business       5.750000       0.003813         1119       0       2       Software       3.666667       0.002973         6363       1       1       History       7.666667       0.01417         2123       1       1       Political       7.333333       0.011321         3773       1       2       Geometry       6.500000       0.007233         11803       2       2       Software       8.500000       0.003964         1595       1       1       Computer Science       9.666667       0.000581         11802       2       2       Software <td< td=""><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td></td<>			_				
2701       3       2       Computer Science       11.500000       0.000775         3040       3       2       Computer Science       13.250000       0.000775         2702       3       3       Computer Science       8.800000       0.000968         3320       2       2       Software       15.400000       0.004955         4068       0       4       Political       3.800000       0.018868         5192       1       2       Business       5.750000       0.003813         1119       0       2       Software       3.666667       0.002973         6363       1       1       History       7.666667       0.010417         2123       1       1       Political       7.333333       0.011321         3773       1       2       Geometry       6.500000       0.007233         11803       2       2       Software       8.500000       0.003964         1595       1       1       Computer Science       9.666667       0.003964         2881       1       2       Computer Science       4.750000       0.00775         423       1       1       Computer Science       9				-			
3040         3         2         Computer Science         13.250000         0.000775           2702         3         3         Computer Science         8.800000         0.000968           3320         2         2         Software         15.400000         0.004955           4068         0         4         Political         3.800000         0.018868           5192         1         2         Business         5.750000         0.003813           1119         0         2         Software         3.666667         0.002973           6363         1         1         History         7.666667         0.010417           2123         1         1         Political         7.333333         0.011321           3773         1         2         Geometry         6.500000         0.007233           11803         2         2         Software         8.500000         0.003964           1595         1         1         Computer Science         9.666667         0.00581           11802         2         2         Software         9.250000         0.003964           2881         1         2         Computer Science         4.750000				·			
2702         3         3         Computer Science         8.800000         0.000968           3320         2         2         Software         15.400000         0.004955           4068         0         4         Political         3.800000         0.018868           5192         1         2         Business         5.750000         0.003813           1119         0         2         Software         3.666667         0.002973           6363         1         1         History         7.666667         0.010417           2123         1         1         Political         7.333333         0.011321           3773         1         2         Geometry         6.500000         0.007233           11803         2         2         Software         8.500000         0.003964           1595         1         1         Computer Science         9.666667         0.000581           11802         2         2         Software         9.250000         0.003964           2881         1         2         Computer Science         4.000000         0.000775           423         1         1         Computer Science         7.750000				•			
3320         2         2         Software         15.400000         0.004955           4068         0         4         Political         3.800000         0.018868           5192         1         2         Business         5.750000         0.003813           1119         0         2         Software         3.666667         0.002973           6363         1         1         History         7.666667         0.010417           2123         1         1         Political         7.333333         0.011321           3773         1         2         Geometry         6.500000         0.007233           11803         2         2         Software         8.500000         0.003964           1595         1         1         Computer Science         9.666667         0.00581           11802         2         2         Software         9.250000         0.003964           2881         1         2         Computer Science         4.000000         0.00968           8743         0         2         Computer Science         9.000000         0.000775           423         1         1         Computer Science         7.750000				-			
4068         0         4         Political         3.800000         0.018868           5192         1         2         Business         5.750000         0.003813           1119         0         2         Software         3.666667         0.002973           6363         1         1         History         7.666667         0.010417           2123         1         1         Political         7.333333         0.011321           3773         1         2         Geometry         6.500000         0.007233           11803         2         2         Software         8.500000         0.003964           1595         1         1         Computer Science         9.666667         0.00581           11802         2         2         Software         9.250000         0.003964           2881         1         2         Computer Science         4.000000         0.00968           8743         0         2         Computer Science         9.000000         0.000775           423         1         1         Computer Science         7.750000         0.000775           2163         2         2         Computer Science         13.333333 <td></td> <td></td> <td></td> <td>•</td> <td></td> <td></td> <td></td>				•			
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6363         1         1         History         7.666667         0.010417           2123         1         1         Political         7.333333         0.011321           3773         1         2         Geometry         6.500000         0.007233           11803         2         2         Software         8.500000         0.003964           1595         1         1         Computer Science         9.666667         0.000581           11802         2         2         Software         9.250000         0.003964           2881         1         2         Computer Science         4.000000         0.000968           8743         0         2         Computer Science         9.000000         0.000775           423         1         1         Computer Science         9.000000         0.000968           6105         1         2         Computer Science         7.750000         0.000775           2163         2         2         Computer Science         13.333333         0.000581           11797         2         2         Computer Science         13.333333         0.00162							
2123         1         1         Political         7.333333         0.011321           3773         1         2         Geometry         6.500000         0.007233           11803         2         2         Software         8.500000         0.003964           1595         1         1         Computer Science         9.666667         0.000581           11802         2         2         Software         9.250000         0.003964           2881         1         2         Computer Science         4.000000         0.00968           8743         0         2         Computer Science         9.000000         0.000775           423         1         1         Computer Science         9.000000         0.000968           6105         1         2         Computer Science         7.750000         0.000775           2163         2         2         Computer Science         24.333333         0.000581           11797         2         2         Computer Science         13.333333         0.00162                   12225         0         1         Computer Science         <							
3773         1         2         Geometry         6.500000         0.007233           11803         2         2         Software         8.500000         0.003964           1595         1         1         Computer Science         9.666667         0.000581           11802         2         2         Software         9.250000         0.003964           2881         1         2         Computer Science         4.000000         0.000968           8743         0         2         Computer Science         9.000000         0.000775           423         1         1         Computer Science         9.000000         0.000968           6105         1         2         Computer Science         7.750000         0.000775           2163         2         2         Computer Science         24.333333         0.000581           11797         2         2         Computer Science         13.333333         0.000581           2418         1         1         Business         9.333333         0.00162                   12225         0         1         Computer Science         <				•			
11803         2         2         Software         8.500000         0.003964           1595         1         1         Computer Science         9.666667         0.000581           11802         2         2         Software         9.250000         0.003964           2881         1         2         Computer Science         4.000000         0.000968           8743         0         2         Computer Science         9.000000         0.000775           423         1         1         Computer Science         9.000000         0.000968           6105         1         2         Computer Science         7.750000         0.000775           2163         2         2         Computer Science         24.333333         0.000581           11797         2         2         Computer Science         13.333333         0.002860           2804         0         2         Computer Science         3.333333         0.001162                   12225         0         1         Computer Science         0.000000         0.000194           12226         0         1         Computer Scie							
1595         1         1         Computer Science         9.666667         0.000581           11802         2         2         Software         9.250000         0.003964           2881         1         2         Computer Science         4.000000         0.000968           8743         0         2         Computer Science         4.750000         0.000775           423         1         1         Computer Science         9.000000         0.000968           6105         1         2         Computer Science         7.750000         0.000775           2163         2         2         Computer Science         24.333333         0.000581           11797         2         2         Computer Science         13.333333         0.000581           2418         1         1         Business         9.333333         0.00162                   12225         0         1         Computer Science         0.000000         0.000194           12226         0         1         Computer Science         0.000000         0.000194           12228         0         1         Computer Scien				•			
11802       2       2       Software       9.250000       0.003964         2881       1       2       Computer Science       4.000000       0.000968         8743       0       2       Computer Science       4.750000       0.000775         423       1       1       Computer Science       9.000000       0.000968         6105       1       2       Computer Science       7.750000       0.000775         2163       2       2       Computer Science       24.333333       0.000581         11797       2       2       Computer Science       13.333333       0.000581         2418       1       1       Business       9.333333       0.002860         2804       0       2       Computer Science       3.333333       0.001162                 12225       0       1       Computer Science       0.000000       0.000194         12226       0       1       Computer Science       0.000000       0.000194         12228       0       1       Computer Science       0.000000       0.000194			2				
2881       1       2       Computer Science       4.000000       0.000968         8743       0       2       Computer Science       4.750000       0.000775         423       1       1       Computer Science       9.000000       0.000968         6105       1       2       Computer Science       7.750000       0.000775         2163       2       2       Computer Science       24.333333       0.000581         11797       2       2       Computer Science       13.333333       0.000581         2418       1       1       Business       9.3333333       0.002860         2804       0       2       Computer Science       3.3333333       0.001162                 12225       0       1       Computer Science       0.000000       0.000194         12226       0       1       Computer Science       0.000000       0.000194         12228       0       1       Computer Science       0.000000       0.000194				-			
8743       0       2       Computer Science       4.750000       0.000775         423       1       1       Computer Science       9.000000       0.000968         6105       1       2       Computer Science       7.750000       0.000775         2163       2       2       Computer Science       24.333333       0.000581         11797       2       2       Computer Science       13.333333       0.000581         2418       1       1       Business       9.3333333       0.002860         2804       0       2       Computer Science       3.333333       0.001162                 12225       0       1       Computer Science       0.000000       0.000194         12226       0       1       Computer Science       0.000000       0.000194         12228       0       1       Computer Science       0.000000       0.000194		2					
423       1       1       Computer Science       9.000000       0.000968         6105       1       2       Computer Science       7.750000       0.000775         2163       2       2       Computer Science       24.333333       0.000581         11797       2       2       Computer Science       13.333333       0.000581         2418       1       1       Business       9.3333333       0.002860         2804       0       2       Computer Science       3.333333       0.001162                 12225       0       1       Computer Science       0.000000       0.000194         12226       0       1       Computer Science       0.000000       0.000194         12228       0       1       Computer Science       0.000000       0.000194				•			
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2163       2       2       Computer Science       24.333333       0.000581         11797       2       2       Computer Science       13.333333       0.000581         2418       1       1       Business       9.333333       0.002860         2804       0       2       Computer Science       3.333333       0.001162                 12225       0       1       Computer Science       0.000000       0.000194         12226       0       1       Computer Science       0.000000       0.000194         12228       0       1       Computer Science       0.000000       0.000194		1	1	-			
11797       2       2       Computer Science       13.333333       0.000581         2418       1       1       Business       9.333333       0.002860         2804       0       2       Computer Science       3.333333       0.001162                 12225       0       1       Computer Science       0.000000       0.000194         12226       0       1       Computer Science       0.000000       0.000194         12228       0       1       Computer Science       0.000000       0.000194			2	Computer Science		7.750000	0.000775
2418       1       1       Business       9.333333       0.002860         2804       0       2       Computer Science       3.333333       0.001162                 12225       0       1       Computer Science       0.000000       0.000194         12226       0       1       Computer Science       0.000000       0.000194         12228       0       1       Computer Science       0.000000       0.000194	2163	2	2	Computer Science		24.333333	0.000581
2804       0       2       Computer Science       3.333333       0.001162                 12225       0       1       Computer Science       0.000000       0.000194         12226       0       1       Computer Science       0.000000       0.000194         12228       0       1       Computer Science       0.000000       0.000194	11797	2	2	Computer Science		13.333333	0.000581
	2418	1	1	Business		9.333333	0.002860
12225       0       1       Computer Science       0.000000       0.000194         12226       0       1       Computer Science       0.000000       0.000194         12228       0       1       Computer Science       0.000000       0.000194	2804	0	2	Computer Science		3.333333	0.001162
12226       0       1       Computer Science       0.000000       0.000194         12228       0       1       Computer Science       0.000000       0.000194							
12228 0 1 Computer Science 0.000000 0.000194	12225	0	1	Computer Science		0.000000	0.000194
<u>•</u>	12226	0	1	Computer Science		0.000000	0.000194
12229 0 2 Software 0.000000 0.001982	12228	0	1	Computer Science		0.000000	0.000194
	12229	0	2	Software		0.000000	0.001982

12230	0	1	History	0.00000	0.003472
12231	0	1	Software	0.00000	0.000991
12232	0	1	Software	0.00000	0.000991
12233	0	1	Computer Science	0.00000	0.000194
12208	0	1	Business	0.00000	0.000953
12206	0	1	Business	0.00000	0.000953
12181	0	1	Business	0.00000	0.000953
12205	0	1	Business	0.00000	0.000953
4344	0	2	Computer Science	0.00000	0.000387
12184	0	1	Software	0.00000	0.000991
12185	0	1	Software	0.00000	0.000991
12186	0	1	Software	0.00000	0.000991
4342	0	1	Computer Science	0.00000	0.000194
12188	0	2	Computer Science	0.00000	0.000387
12189	0	1	Computer Science	0.00000	0.000194
12190	0	1	Computer Science	0.00000	0.000194
12191	0	1	Computer Science	0.00000	0.000194
12192	0	1	Computer Science	0.00000	0.000194
12193	0	1	Computer Science	0.00000	0.000194
12194	0	1	Computer Science	0.00000	0.000194
12195	0	1	Computer Science	0.00000	0.000194
12196	0	1	Computer Science	0.00000	0.000194
4341	0	1	Software	0.00000	0.000991
4336	0	1	Computer Science	0.00000	0.000194
12204	0	1	Business	0.000000	0.000953
10099	0	1	Computer Science	0.000000	0.000194

[20198 rows x 9 columns]

# 6 Calculate Author Metric

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In [33]: df_n["SVS - index"] = 0.3*df_n["average_citations"] + 0.3*df_n["paper_count"] + 0.5*df_n["paper_count"] + 0.5*d
In [34]: df_n = df_n.sort_values(by='SVS - index', ascending=False)
In [35]: df_n
Out [35]:
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                                                                                                                                   author_name
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                                                                                                Sepandar D. Kamvar
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                                                                                      Hector Garcia-Molina
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Sridhar Ramachandran

5301	Guillaume Brat	110	1	1	1
5300	Klaus Havelund	110	1	1	1
5299	Willem Visser	110	1	1	1
5302	SeungJoon Park	110	1	1	1
19676	David M. Pennock	130	2	2	1
19675	Steve Lawrence	130	2	2	1
4432	Hantao Zhang	148	5	3	1
6058	•	150	7	4	3
	Frank Pfenning				
15726	Carsten Schürmann	102	1	1	1
532	Gavin Lowe	131	3	3	3
9672	Markus P. J. Fromherz	98	1	1	1
9671	Ying Zhang	98	1	1	1
9670	Wheeler Ruml	98	1	1	1
10660	Sebastian Thrun	132	4	3	2
14641	H. V. Jagadish	116	2	2	2
17337	N. Wiwatwattana	93	1	1	1
17331	A. Chapman	93	1	1	1
17332	L. V. S. Lakshmanan	93	1	1	1
17333	A. Nierman	93	1	1	1
17334	S. Paparizos	93	1	1	1
	•				
9938	Zhenghui Lin	0	1	0	0
9937	Haifeng Zhou	0	1	0	0
5599	Eui Park	0	1	0	0
5600	D. Strickland	0	1	0	0
9978	M. Laws	0	1	0	0
9877	Raymon Paul	0	1	0	0
9771	A. K. Noor	0	1	0	0
9770	Gary B. Parker	0	1	0	0
2103	Masato Nose	0	1	0	0
9820	Clara Bagnasco	0	1	0	0
9875	Husni Fahmi	0	1	0	0
9874	Sahra Sedigh	0	1	0	0
9873	Shahab Baqai	0	1	0	0
9872	Ahmed Bashandy	0	1	0	0
9871	Fujiwa Kato	0	1	0	0
9867	Jaedong Yang	0	1	0	0
9866	Hoyoung Kim	0	1	0	0
9865	Hyungjeong Yang	0	1	0	0
2104	Hideki Sawada	0	1	0	0
9750	S. Roth-Koch	0	1	0	0
5655	O. Wigertz	0	1	0	0
5656	András Méhes	0	1	0	0
5690	P. L. Palmer	0	1	0	0
5691	N. Fatemi-Ghomi	0	1	0	0
9763	Jennifer S. Lund	0	1	0	0
9763 9762					
	Niall McLoughlin	0	1	0	0
9761	Martin Stetter	0	1	0	0

9760		Ingo Schiel	0	1 0	0
5697		Bernard Faure	0	1 0	0
10099		Ron Anderson	0	1 0	0
	$g_{index}$	domain	average_citations	domain_Score	SVS - index
10599	1	Software	258.000000	0.000991	207.200248
10600	1	Software	258.000000	0.000991	207.200248
323	1	Computer Science	132.500000	0.000387	173.350097
7	1	Computer Science	0.001996	0.097037	151.074858
13554	1	Computer Science	168.000000	0.000194	135.200048
19674	1	History	122.000000	0.003472	98.400868
14666	1	Microprocessor	111.000000	0.006173	89.601543
14667	1	Microprocessor	111.000000	0.006173	89.601543
14668	1	Microprocessor	111.000000	0.006173	89.601543
14669	1	Microprocessor	111.000000	0.006173	89.601543
5301	1	Computer Science	110.000000	0.000194	88.800048
5300	1	Computer Science	110.000000	0.000194	88.800048
5299	1	Computer Science	110.000000	0.000194	88.800048
5302	1	Computer Science	110.000000	0.000194	88.800048
19676	1	History	65.000000	0.006944	85.601736
19675	1	History	65.000000	0.006944	85.601736
4432	1	Geometry	29.600000	0.009042	84.882260
6058	2	Geometry	21.428571	0.012658	84.781736
15726	1	Computer Science	102.000000	0.000194	82.400048
532	1	Computer Science	43.666667	0.000581	80.500145
9672	1	Computer Science	98.000000	0.000194	79.200048
9671	1	Computer Science	98.000000	0.000194	79.200048
9670	1	Computer Science	98.000000	0.000194	79.200048
10660	2	Business	33.000000	0.003813	78.100953
14641	1	History	58.000000	0.006944	76.751736
17337	1	Software	93.000000	0.000991	75.200248
17331	1	Software	93.000000	0.000991	75.200248
17332	1	Software	93.000000	0.000991	75.200248
17333	1	Software	93.000000	0.000991	75.200248
17334	1	Software	93.000000	0.000991	75.200248
9938	1	Computer Science	0.000000	0.000194	0.550048
9937	1	Computer Science	0.000000	0.000194	0.550048
5599	1	Computer Science	0.000000	0.000194	0.550048
5600	1	Computer Science	0.000000	0.000194	0.550048
9978	1	Computer Science	0.000000	0.000194	0.550048
9877	1	Computer Science	0.000000	0.000194	0.550048
9771	1	Computer Science	0.000000	0.000194	0.550048
9770	1	Computer Science	0.000000	0.000194	0.550048
2103	1	Computer Science	0.000000	0.000194	0.550048
9820	1	Computer Science	0.000000	0.000194	0.550048
9875	1	Computer Science	0.000000	0.000194	0.550048
9874	1	Computer Science	0.000000	0.000194	0.550048

1	Computer Science	0.000000	0.000194	0.550048
1	Computer Science	0.000000	0.000194	0.550048
1	Computer Science	0.000000	0.000194	0.550048
1	Computer Science	0.000000	0.000194	0.550048
1	Computer Science	0.000000	0.000194	0.550048
1	Computer Science	0.000000	0.000194	0.550048
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1	Computer Science	0.000000	0.000194	0.550048
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[20198 rows x 10 columns]

# 7 Ques 1: Top 100 ranked researchers from multiple disciplines

In [36]: # You must identify top 100 ranked researchers from multiple disciplines based on you # and see how it stacks up against their respective h-index.

 $df_n.head(500)$ 

Out[36]:	author_name	citation_count	paper_count	$h_{index}$	\
10599	Sepandar D. Kamvar	258	1	1	
10600	Mario T. Schlosser	258	1	1	
323	Hector Garcia-Molina	265	2	2	
7	N/A	1	501	1	
13554	Alon Y. Halevy	168	1	1	
19674	Kushal Dave	122	1	1	
14666	Matteo Frigo	111	1	1	
14667	Charles E. Leiserson	111	1	1	
14668	Harald Prokop	111	1	1	
14669	Sridhar Ramachandran	111	1	1	
5301	Guillaume Brat	110	1	1	
5300	Klaus Havelund	110	1	1	
5299	Willem Visser	110	1	1	
5302	SeungJoon Park	110	1	1	
19676	David M. Pennock	130	2	2	
19675	Steve Lawrence	130	2	2	
4432	Hantao Zhang	148	5	3	
6058	Frank Pfenning	150	7	4	

15726	Carsten Schürmann	102	1	1	
532	Gavin Lowe	131	3	3	
9672	Markus P. J. Fromherz	98	1	1	
9671	Ying Zhang	98	1	1	
9670	Wheeler Ruml	98	1	1	
10660	Sebastian Thrun	132	4	3	
14641	H. V. Jagadish	116	2	2	
17337	N. Wiwatwattana	93	1	1	
17331	A. Chapman	93	1	1	
17332	L. V. S. Lakshmanan	93	1	1	
17333	A. Nierman	93	1	1	
17334	S. Paparizos	93	1	1	
	• • • •				
4581	Mark Vandenbosch	29	1	1	
181	Kate A. Smith	29	1	1	
4580	John S. Hulland	29	1	1	
4579	Christopher R. Plouffe	29	1	1	
2856	Philip K. Chan	29	1	1	
18794	Craig Zilles	29	1	1	
18795	Gurindar Sohi	29	1	1	
3812	Edward H. Adelson	29	1	1	
3811	Yair Weiss	29	1	1	
2855	Matthew V. Mahoney	29	1	1	
10564	Don Towsley	35	2	2	
16099	Peter Sturm	35	2	1	
11802	Ian Horrocks	37	4	3	
8438	Li Gong	34	2	2	
10878	Mostafa H. Ammar	34	2	1	
17318	Tamal K. Dey	28	1	1	
17319	Samrat Goswami	28	1	1	
925	Omkar Pendse	28	1	1	
928	Chris Wallace	28	1	1	
2160	Z. Zhang	34	2	2	
3784	Thomas Eiter	33	2	2	
420	Marek Jersak	33	2	2	
9215	Matthias Ruhl	33	2	2	
9080	Liam Paninski	27	1	1	
14950	U. Amann	27	1	1	
12111	Scott Weiss	27	1	1	
10762	Abraham P. Punnen	27	1	1	
10760	Özlem Ergun	27	1	1	
14438	Alessandra Di Pierro	27	1	1	
1191	Jason Leigh	27	1	1	
	-				
	i10_index g_index	domain avera	ge_citations	domain_Score	\
10599	1 1	Software	258.000000	0.000991	
10600	1 1	Software	258.000000	0.000991	
323	1 1 Comput	er Science	132.500000	0.000387	

7	0	1	Computer Science	0	.001996	0.097037
13554	1	1	Computer Science	168	.000000	0.000194
19674	1	1	History	122	.000000	0.003472
14666	1	1	Microprocessor	111	.000000	0.006173
14667	1	1	Microprocessor	111	.000000	0.006173
14668	1	1	Microprocessor	111	.000000	0.006173
14669	1	1	Microprocessor		.000000	0.006173
5301	1	1	Computer Science		.000000	0.000194
5300	1	1	Computer Science		.000000	0.000194
5299	1	1	Computer Science		.000000	0.000194
5302	1	1	Computer Science		.000000	0.000194
19676	1	1	History		.000000	0.006944
19675	1	1	History		.000000	0.006944
4432	1	1	•		.600000	0.009944
			Geometry			
6058	3	2	Geometry		.428571	0.012658
15726	1	1	Computer Science		000000	0.000194
532	3	1	Computer Science		.666667	0.000581
9672	1	1	Computer Science		.000000	0.000194
9671	1	1	Computer Science		.000000	0.000194
9670	1	1	Computer Science		.000000	0.000194
10660	2	2	Business	33	.000000	0.003813
14641	2	1	History	58	.000000	0.006944
17337	1	1	Software	93	.000000	0.000991
17331	1	1	Software	93	.000000	0.000991
17332	1	1	Software	93	.000000	0.000991
17333	1	1	Software	93	.000000	0.000991
17334	1	1	Software	93	.000000	0.000991
4581	1	1	Computer Science	29	.000000	0.000194
181	1	1	Computer Science	29	.000000	0.000194
4580	1	1	Computer Science	29	.000000	0.000194
4579	1	1	Computer Science		.000000	0.000194
2856	1	1	Computer Science		.000000	0.000194
18794	1	1	Computer Science		.000000	0.000194
18795	1	1	Computer Science		.000000	0.000194
3812	1	1	Computer Science		.000000	0.000194
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2855	1	1	Computer Science		.000000	0.000194
10564	1	1	Computer Science		.500000	0.000194
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8438	2	1	Software		.000000	0.001982
10878	1	1	Business		.000000	0.001907
17318	1	1	Earth Science		.000000	0.001754
17319	1	1	Earth Science		.000000	0.001754
925	1	1	Software		.000000	0.000991
928	1	1	Software		.000000	0.000991
2160	1	1	Computer Science	17	.000000	0.000387

3784	2	1	Computer Science	16.500000	0.000387
420	1	1	Computer Science	16.500000	0.000387
9215	1	1	Computer Science	16.500000	0.000387
9080	1	1	Statistics	27.000000	0.006494
14950	1	1	Software	27.000000	0.000991
12111	1	1	Software	27.000000	0.000991
10762	1	1	Business	27.000000	0.000953
10760	1	1	Business	27.000000	0.000953
14438	1	1	Computer Science	27.000000	0.000194
1191	1	1	Computer Science	27.000000	0.000194

SVS - index 10599 207.200248 10600 207.200248 323 173.350097 7 151.074858 13554 135.200048 19674 98.400868 14666 89.601543 14667 89.601543 14668 89.601543 14669 89.601543 5301 88.800048 5300 88.800048 5299 88.800048 5302 88.800048 85.601736 19676 19675 85.601736 4432 84.882260 6058 84.781736 15726 82.400048 532 80.500145 9672 79.200048 9671 79.200048 9670 79.200048 78.100953 10660 14641 76.751736 75.200248 17337 17331 75.200248 17332 75.200248 17333 75.200248 17334 75.200248 . . . 4581 24.000048 24.000048 181 4580 24.000048 4579 24.000048 2856 24.000048

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18794
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18795
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         22.400248
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10762
         22.400238
10760
         22.400238
14438
         22.400048
1191
         22.400048
```

#### [500 rows x 10 columns]

# Ques 2

```
In [37]: # Using a citation network graph, devise a reach function which can identify the degr
         # which can either be localised in a domain or have a more global inter-disciplinary
In [38]: df_new = train_df.copy()
In [39]: df_new = df_new.groupby('Year')['domain'].value_counts().unstack().fillna(0)
In [40]: df_new = df_new.unstack()
In [41]: df_new = df_new.reset_index()
In [42]: df_new.columns = ['domain', 'Year', 'Count']
In [43]: score_list = []
         for index, rows in df_new.iterrows():
             domain = rows['domain']
             count = rows['Count']
             total_count = paper_domain_dict[domain]
```

score\_list.append(count / total\_count)
df\_new['domain\_Score'] = score\_list
df\_new

Out[43]:		domain	Year	Count	domain_Score
	0	Art	1963	0.0	0.000000
	1	Art	1972	0.0	0.000000
	2	Art	1973	0.0	0.000000
	3	Art	1974	2.0	0.023256
	4	Art	1975	1.0	0.011628
	5	Art	1976	0.0	0.000000
	6	Art	1977	0.0	0.000000
	7	Art	1978	0.0	0.000000
	8	Art	1979	0.0	0.000000
	9	Art	1980	1.0	0.011628
	10	Art	1981	1.0	0.011628
	11	Art	1982	0.0	0.000000
	12	Art	1983	0.0	0.000000
	13	Art	1984	1.0	0.011628
	14	Art	1985	1.0	0.011628
	15	Art	1986	2.0	0.023256
	16	Art	1987	3.0	0.034884
	17	Art	1988	4.0	0.046512
	18	Art	1989	3.0	0.034884
	19	Art	1990	8.0	0.093023
	20	Art	1991	5.0	0.058140
	21	Art	1992	4.0	0.046512
	22	Art	1993	0.0	0.000000
	23	Art	1994	1.0	0.011628
	24	Art	1995	2.0	0.023256
	25	Art	1996	3.0	0.034884
	26	Art	1997	2.0	0.023256
	27	Art	1998	9.0	0.104651
	28	Art	1999	4.0	0.046512
	29	Art	2000	3.0	0.034884
	• •				
	630	Statistics	1974	0.0	0.000000
	631	Statistics	1975	0.0	0.000000
	632	Statistics	1976	0.0	0.000000
	633	Statistics	1977	2.0	0.012987
	634	Statistics	1978	0.0	0.000000
	635	Statistics	1979	1.0	0.006494
	636	Statistics	1980	1.0	0.006494
	637	Statistics	1981	0.0	0.000000
	638	Statistics	1982	0.0	0.000000
	639	Statistics	1983	0.0	0.000000
	640	Statistics	1984	0.0	0.000000
	641	Statistics	1985	0.0	0.000000

```
642 Statistics 1986
                        0.0
                                 0.000000
643 Statistics 1987
                        1.0
                                 0.006494
644 Statistics 1988
                        0.0
                                 0.000000
645 Statistics 1989
                        2.0
                                 0.012987
646 Statistics 1990
                        1.0
                                 0.006494
647 Statistics 1991
                        1.0
                                 0.006494
648 Statistics 1992
                        1.0
                                 0.006494
649 Statistics 1993
                        3.0
                                 0.019481
650 Statistics 1994
                        2.0
                                 0.012987
651 Statistics 1995
                        7.0
                                 0.045455
                        6.0
652 Statistics 1996
                                 0.038961
653 Statistics 1997
                        6.0
                                 0.038961
                        7.0
654 Statistics 1998
                                 0.045455
655 Statistics 1999
                       13.0
                                 0.084416
656 Statistics 2000
                       12.0
                                 0.077922
657 Statistics 2001
                       7.0
                                 0.045455
658 Statistics 2002
                       38.0
                                 0.246753
659 Statistics 2003
                       43.0
                                 0.279221
```

[660 rows x 4 columns]

### 9 Reach function

```
In [44]: # Get citations count of paper present in test set
         def generate_citation_count_from_google_scholar(df):
             citation_list = []
             for index,row in df.iterrows():
                 print(index)
                 citations = 0
                 title = row['paperTitle']
                 search_query = scholarly.search_pubs_query(title)
                 val = next(search_query, "N/A")
                 if val != 'N/A' and 'title' in val.bib.keys():
                     title1 = val.bib['title']
                     if title1[0:3] == title[0:3]:
                         if hasattr(val, 'citedby'):
                             citations = val.citedby
                 citation_list.append(citations)
             df["citation_count"] = citation_list
             return df
         test_df = generate_citation_count_from_google_scholar(test_df)
0
1
2
3
```

```
In [46]: test_df.to_csv('test_new_arxiv.csv', index=False)
In [48]: test_df
Out [48]:
                                                                      index id \
                                                        Authors
                                    Ahmed Osman, Wojciech Samek
         0
                                                                  1802.00209v1
         1
                               Ji Young Lee, Franck Dernoncourt
                                                                  1603.03827v1
         2
              Iulian Vlad Serban, Tim Klinger, Gerald Tesau...
                                                                  1606.00776v2
              Sebastian Ruder, Joachim Bingel, Isabelle Aug...
         3
                                                                  1705.08142v2
         4
              Iulian V. Serban, Chinnadhurai Sankar, Mathie...
                                                                  1709.02349v2
         5
              Kelvin Guu, Tatsunori B. Hashimoto, Yonatan O...
                                                                  1709.08878v1
         6
              Iulian V. Serban, Chinnadhurai Sankar, Mathie...
                                                                  1801.06700v1
         7
              Darko Brodic, Alessia Amelio, Zoran N. Milivo...
                                                                  1609.06492v1
         8
                                Mateusz Malinowski, Mario Fritz
                                                                  1610.01076v1
         9
                                               Tony Beltramelli
                                                                  1705.07962v2
                Fred Richardson, Douglas Reynolds, Najim Dehak
         10
                                                                  1504.00923v1
              Hieu Pham, Melody Y. Guan, Barret Zoph, Quoc ...
         11
                                                                  1802.03268v2
              Brenden M. Lake, Tomer D. Ullman, Joshua B. T...
         12
                                                                  1604.00289v3
         13
                                        Hao Wang, Dit-Yan Yeung
                                                                  1604.01662v2
         14
              Tejas D. Kulkarni, Karthik R. Narasimhan, Ard...
                                                                  1604.06057v2
         15
              Deepak Pathak, Ross Girshick, Piotr Dollár, T...
                                                                  1612.06370v2
         16
              Muhammad Ghifary, W. Bastiaan Kleijn, Mengjie...
                                                                   1409.6041v1
              Lionel Pigou, Aäron van den Oord, Sander Diel...
         17
                                                                  1506.01911v3
         18
                                  Rakesh Achanta, Trevor Hastie
                                                                  1509.05962v2
         19
              Jeff Donahue, Philipp Krähenbühl, Trevor Darrell
                                                                  1605.09782v7
         20
                                              Zachary C. Lipton
                                                                  1606.03490v3
         21
              Sahil Garg, Irina Rish, Guillermo Cecchi, Aur...
                                                                  1701.06106v2
         22
                                          Weifeng Ge, Yizhou Yu
                                                                  1702.08690v2
              Tanmay Gupta, Kevin Shih, Saurabh Singh, Dere...
         23
                                                                  1704.00260v2
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         25
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                                                                  1704.08045v2
              Chris Donahue, Zachary C. Lipton, Akshay Bals...
         26
                                                                  1705.07904v3
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                       Mahesh Chandra Mukkamala, Matthias Hein
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               Mateusz Buda, Atsuto Maki, Maciej A. Mazurowski
                                                                  1710.05381v1
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              Petr Baudi, Jan Pichl, Tomá Vyskoil, Jan ... 1603.06127v4
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              Chia-Wei Liu, Ryan Lowe, Iulian V. Serban, Mi...
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12 Recent progress in artificial intelligence (AI...
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13 While perception tasks such as visual object r...
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14 Learning goal-directed behavior in environment...
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17 Recent studies have demonstrated the power of ...
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19 The ability of the Generative Adversarial Netw...
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23 An important goal of computer vision is to bui...
24 While deep learning is remarkably successful o...
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25 While the optimization problem behind deep neu...
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26 We propose a new algorithm for training genera...
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27 Adaptive gradient methods have become recently...
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28 We investigate the non-identifiability issues ...
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29 In this study, we systematically investigate t...
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70 We review the task of Sentence Pair Scoring, p...
                                                                 19
71 We address an important problem in sequence-to...
                                                                  0
72 Over the past decade, large-scale supervised 1...
73 We investigate evaluation metrics for dialogue...
                                                                  0
74 Sequential data often possesses a hierarchical...
                                                                   0
75 Many important NLP problems can be posed as du...
                                                                   0
76 We introduce LL-RNNs (Log-Linear RNNs), an ext...
                                                                   0
77 There is a practically unlimited amount of nat...
                                                                   0
78 Recurrent neural networks are a powerful tool ...
                                                                   0
79 There exist many problem domains where the int...
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80 Neural language models predict the next token ...
                                                                   0
   This paper proposes a new model for extracting...
                                                                   0
82 We introduce an attention-based Bi-LSTM for Ch...
                                                                   0
83 Automated story generation is the problem of a...
                                                                   0
84 We propose a generative machine comprehension ...
                                                                   0
85 Model compression is significant for the wide ...
                                                                   0
                                                                   0
86 Representing the semantic relations that exist...
87 We propose Object-oriented Neural Programming ...
                                                                   0
88 This paper proposes a novel neural machine rea...
                                                                   0
89
   Speech recognition is largely taking advantage...
                                                                   0
90 Training a task-completion dialogue agent with...
                                                                   0
91 Deep neural networks (DNNs) are now a central ...
                                                                   0
92 We present a novel deep Recurrent Neural Netwo...
                                                                   0
93 We stabilize the activations of Recurrent Neur...
                                                                   0
                                                                   0
94 The capacity of a neural network to absorb inf...
95 This work presents a novel objective function ...
                                                                  0
96 Visual question answering is a recently propos...
                                                                   0
97 In this paper, we propose a novel neural netwo...
                                                                   0
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Recurrent neural networks (RNNs), particularly...
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99
    Long Short-Term Memory (LSTM) is a recurrent n...
                                                                        0
                  domain
0
       Computer Science
1
       Computer Science
2
       Computer Science
3
       Computer Science
4
       Computer Science
5
       Computer Science
6
       Computer Science
7
                Software
8
       Computer Science
9
                Software
10
       Computer Science
11
                Software
12
       Computer Science
13
       Computer Science
14
           Neuroscience
15
       Computer Science
16
       Computer Science
17
       Computer Science
18
       Computer Science
19
              Political
20
                History
21
       Computer Science
22
       Computer Science
23
       Computer Science
24
              Political
25
          Earth Science
26
              Political
          Earth Science
27
28
       Computer Science
29
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70
       Computer Science
71
       Computer Science
72
       Computer Science
73
       Computer Science
74
               Software
75
       Computer Science
76
       Computer Science
77
       Computer Science
78
    Biomedical Research
79
       Computer Science
80
       Computer Science
81
                Business
82
              Political
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83
                Computer Science
         84
                Computer Science
         85
                Computer Science
         86
                Computer Science
         87
                Computer Science
         88
                Computer Science
         89
                          Health
         90
                        Business
         91
                Computer Science
         92
                Computer Science
         93
                        Software
         94
                Computer Science
         95
                Computer Science
         96
                Computer Science
         97
                        Software
         98
                Computer Science
         99
                Computer Science
         [100 rows x 7 columns]
In [63]: domain_paper_list = []
         for index, rows in test_df.iterrows():
             authors = rows["Authors"]
             citations = rows["citation_count"]
             domain = rows["domain"]
             year = rows['Year']
             domain_list = df_new[df_new['domain'] == domain]
             print(domain_list)
             print(year)
             print(domain)
             domain_score = 0
             if not domain_list.empty:
                 if year is domain_list['Year'] == year:
                     domain_score = domain_list.loc[domain_list['Year'] == year, 'domain_Score
             domain_paper_list.append(domain_score)
         test_df['domain_score'] = domain_paper_list
               domain Year
                             Count
                                    domain_Score
    Computer Science 1963
165
                               1.0
                                        0.000194
     Computer Science 1972
                               5.0
                                        0.000968
166
167
     Computer Science 1973
                               1.0
                                        0.000194
168
    Computer Science 1974
                              12.0
                                        0.002324
169
    Computer Science 1975
                               1.0
                                        0.000194
170
    Computer Science 1976
                               1.0
                                        0.000194
    Computer Science 1977
                               1.0
171
                                        0.000194
172
    Computer Science 1978
                               3.0
                                        0.000581
173
     Computer Science 1979
                               3.0
                                        0.000581
174
    Computer Science 1980
                               5.0
                                        0.000968
```

175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2018	-				
<b>a</b>					
Comp	uter Scie	ice			
Comp	uter Sciei	domain	Year	Count	domain_Score
165	uter Scien		Year 1963	Count 1.0	domain_Score 0.000194
_		domain			<del>_</del>
165	Computer	domain Science	1963	1.0	0.000194
165 166	Computer Computer	domain Science Science	1963 1972	1.0 5.0	0.000194 0.000968
165 166 167	Computer Computer	domain Science Science Science	1963 1972 1973	1.0 5.0 1.0	0.000194 0.000968 0.000194
165 166 167 168	Computer Computer Computer	domain Science Science Science Science	1963 1972 1973 1974	1.0 5.0 1.0 12.0	0.000194 0.000968 0.000194 0.002324
165 166 167 168 169	Computer Computer Computer Computer	domain Science Science Science Science Science	1963 1972 1973 1974 1975	1.0 5.0 1.0 12.0 1.0	0.000194 0.000968 0.000194 0.002324 0.000194
165 166 167 168 169 170	Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976	1.0 5.0 1.0 12.0 1.0	0.000194 0.000968 0.000194 0.002324 0.000194
165 166 167 168 169 170	Computer Computer Computer Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976 1977	1.0 5.0 1.0 12.0 1.0 1.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194
165 166 167 168 169 170 171	Computer Computer Computer Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976 1977	1.0 5.0 1.0 12.0 1.0 1.0 3.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000194
165 166 167 168 169 170 171 172 173	Computer Computer Computer Computer Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976 1977 1978	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581
165 166 167 168 169 170 171 172 173 174	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968
165 166 167 168 169 170 171 172 173 174 175	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162
165 166 167 168 169 170 171 172 173 174 175	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387
165 166 167 168 169 170 171 172 173 174 175 176	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324
165 166 167 168 169 170 171 172 173 174 175 176 177	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387
165 166 167 168 169 170 171 172 173 174 175 176 177 178	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131
165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648
165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874
165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0 20.0 51.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000581 0.000387 0.002324 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874 0.009878

0.012009

0.013752

62.0

71.0

185 Computer Science 1991

186 Computer Science 1992

187	Computer	Science	1993	98.0	0.018981
188	${\tt Computer}$	Science	1994	114.0	0.022080
189	${\tt Computer}$	Science	1995	374.0	0.072439
190	${\tt Computer}$	Science	1996	349.0	0.067596
191	${\tt Computer}$	Science	1997	401.0	0.077668
192	${\tt Computer}$	Science	1998	420.0	0.081348
193	${\tt Computer}$	Science	1999	389.0	0.075344
194	${\tt Computer}$	Science	2000	451.0	0.087352
195	${\tt Computer}$	Science	2001	366.0	0.070889
196	${\tt Computer}$	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2016					
Compu	ıter Scier	nce			
		domain	Year	Count	domain_Score
165	${\tt Computer}$	Science	1963	1.0	0.000194
166	${\tt Computer}$	Science	1972	5.0	0.000968
167	${\tt Computer}$	Science	1973	1.0	0.000194
168	${\tt Computer}$	Science	1974	12.0	0.002324
169	${\tt Computer}$	Science	1975	1.0	0.000194
170	${\tt Computer}$	Science	1976	1.0	0.000194
171	${\tt Computer}$	Science	1977	1.0	0.000194
172	${\tt Computer}$	Science	1978	3.0	0.000581
173	${\tt Computer}$	Science	1979	3.0	0.000581
174	${\tt Computer}$	Science	1980	5.0	0.000968
175	${\tt Computer}$	Science	1981	6.0	0.001162
176	${\tt Computer}$	Science	1982	2.0	0.000387
177	${\tt Computer}$	Science	1983	12.0	0.002324
178	${\tt Computer}$	Science	1984	2.0	0.000387
179	${\tt Computer}$	Science	1985	11.0	0.002131
180	${\tt Computer}$	Science	1986	24.0	0.004648
181	${\tt Computer}$	Science	1987	20.0	0.003874
182	${\tt Computer}$		1988	51.0	0.009878
183	${\tt Computer}$	Science	1989	29.0	0.005617
184	${\tt Computer}$	Science	1990	39.0	0.007554
185	${\tt Computer}$	Science	1991	62.0	0.012009
186	${\tt Computer}$	Science	1992	71.0	0.013752
187	${\tt Computer}$	Science	1993	98.0	0.018981
188	${\tt Computer}$	Science	1994	114.0	0.022080
189	${\tt Computer}$	Science	1995	374.0	0.072439
190	${\tt Computer}$	Science	1996	349.0	0.067596
191	${\tt Computer}$	Science	1997	401.0	0.077668
192	${\tt Computer}$	Science	1998	420.0	0.081348
193	${\tt Computer}$	Science	1999	389.0	0.075344
404	<b>a</b> .	<b>a</b> ·	0000	454 0	0 007050

2000 451.0

2002 882.0

2003 957.0

366.0

2001

194 Computer Science

197 Computer Science

195

196

2016

Computer Science

Computer Science

60

0.087352

0.070889

0.170831

Computer S	Science
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		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	${\tt Computer}$	Science	1997	401.0	0.077668
192	${\tt Computer}$	Science	1998	420.0	0.081348
193	${\tt Computer}$	Science	1999	389.0	0.075344
194	${\tt Computer}$	Science	2000	451.0	0.087352
195	${\tt Computer}$	Science	2001	366.0	0.070889
196	${\tt Computer}$	Science	2002	882.0	0.170831
197	${\tt Computer}$	Science	2003	957.0	0.185357
2017					
Compu	ıter Scie	ice			
		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	${\tt Computer}$	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	${\tt Computer}$	Science	1976	1.0	0.000194
171	${\tt Computer}$		1977	1.0	0.000194
172	${\tt Computer}$	Science	1978	3.0	0.000581
173	${\tt Computer}$	Science	1979	3.0	0.000581
174	${\tt Computer}$	Science	1980	5.0	0.000968

175					
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2017	-				
Comp	uter Scie	nce			
Comp	uter Scien	nce domain	Year	Count	domain_Score
Comp	uter Scien Computer		Year 1963	Count 1.0	domain_Score 0.000194
_		domain			_
165	Computer	domain Science	1963	1.0	0.000194
165 166	Computer Computer	domain Science Science	1963 1972	1.0 5.0	0.000194 0.000968
165 166 167	Computer Computer	domain Science Science Science	1963 1972 1973	1.0 5.0 1.0	0.000194 0.000968 0.000194
165 166 167 168	Computer Computer Computer	domain Science Science Science Science	1963 1972 1973 1974	1.0 5.0 1.0 12.0	0.000194 0.000968 0.000194 0.002324
165 166 167 168 169	Computer Computer Computer Computer	domain Science Science Science Science Science	1963 1972 1973 1974 1975	1.0 5.0 1.0 12.0 1.0	0.000194 0.000968 0.000194 0.002324 0.000194
165 166 167 168 169 170	Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976	1.0 5.0 1.0 12.0 1.0	0.000194 0.000968 0.000194 0.002324 0.000194
165 166 167 168 169 170	Computer Computer Computer Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976	1.0 5.0 1.0 12.0 1.0 1.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194
165 166 167 168 169 170 171	Computer Computer Computer Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976 1977	1.0 5.0 1.0 12.0 1.0 1.0 3.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000194
165 166 167 168 169 170 171 172 173	Computer Computer Computer Computer Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976 1977 1978	1.0 5.0 1.0 12.0 1.0 1.0 3.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000194 0.000581
165 166 167 168 169 170 171 172 173 174	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968
165 166 167 168 169 170 171 172 173 174 175	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162
165 166 167 168 169 170 171 172 173 174 175	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387
165 166 167 168 169 170 171 172 173 174 175 176	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324
165 166 167 168 169 170 171 172 173 174 175 176 177	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387
165 166 167 168 169 170 171 172 173 174 175 176 177 178	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131
165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648
165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874
165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0 20.0 51.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000581 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874 0.009878

186 Computer Science 1992

0.012009

0.013752

62.0

187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2017	-				
Comp	uter Scien	.ce			
		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
100	<b>A</b>	a - :	0000	000 0	0 170001

196 Computer Science 2002 882.0

197 Computer Science 2003 957.0

2018

0.170831

Comp	uter Scie	nce			
-	domain	Year	Count	domain_	Score
594	Software	1963	0.0	_	00000
595	Software	1972	0.0		000000
596	Software	1973	0.0		000000
597	Software	1974	5.0		04955
598	Software	1975	1.0		000991
599	Software	1976	0.0		000000
600	Software	1977	1.0		000991
601	Software	1978	4.0		003964
602	Software	1979	2.0		001982
603	Software	1980	1.0		000991
604	Software	1981			000991
605	Software	1982	1.0		000991
606	Software	1983	0.0		00000
607	Software	1984	4.0		03964
608	Software	1985	1.0		000991
609	Software	1986	0.0		00000
610	Software	1987	4.0		03964
611	Software	1988	4.0		03964
612	Software	1989	3.0		002973
613	Software	1990	10.0		009911
614	Software	1991	14.0		13875
615	Software	1992	8.0	0.0	07929
616	Software	1993	18.0	0.0	17839
617	Software	1994	23.0	0.0	22795
618	Software	1995	50.0	0.0	49554
619	Software	1996	74.0	0.0	73340
620	Software	1997	69.0	0.0	68385
621	Software	1998	90.0	0.0	89197
622	Software	1999	94.0	0.0	93162
623	Software	2000	81.0	0.0	80278
624	Software	2001	76.0	0.0	75322
625	Software	2002	179.0	0.1	.77403
626	Software	2003	191.0	0.1	.89296
2016					
Soft	ware				
		domai	n Year	Count	domain_Score
165	Computer	Science	e 1963	1.0	0.000194
166	Computer	Science	e 1972	5.0	0.000968
167	Computer			1.0	0.000194
168	Computer				0.002324
169	Computer				0.000194
170	Computer			1.0	0.000194
171	Computer			1.0	0.000194
172	Computer			3.0	0.000581
173	Computer				0.000581
174	Computer			5.0	0.000968
-11	Compator	~ 0 1 0 11 0	_ 1000	0.0	0.00000

175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2016					

	domain	Year	Count	domain_Score
594	Software	1963	0.0	0.000000
595	Software	1972	0.0	0.000000
596	Software	1973	0.0	0.000000
597	Software	1974	5.0	0.004955
598	Software	1975	1.0	0.000991
599	Software	1976	0.0	0.000000
600	Software	1977	1.0	0.000991
601	Software	1978	4.0	0.003964
602	Software	1979	2.0	0.001982
603	Software	1980	1.0	0.000991
604	Software	1981	1.0	0.000991
605	Software	1982	1.0	0.000991
606	Software	1983	0.0	0.000000
607	Software	1984	4.0	0.003964
608	Software	1985	1.0	0.000991
609	Software	1986	0.0	0.000000
610	Software	1987	4.0	0.003964
611	Software	1988	4.0	0.003964
612	Software	1989	3.0	0.002973
613	Software	1990	10.0	0.009911
614	Software	1991	14.0	0.013875
615	Software	1992	8.0	0.007929

616	Software	1993	18.0	0.0	17839
617	Software	1994	23.0	0.0	22795
618	Software	1995	50.0	0.0	49554
619	${\tt Software}$	1996	74.0	0.0	73340
620	${\tt Software}$	1997	69.0	0.0	68385
621	${\tt Software}$	1998	90.0	0.0	89197
622	${\tt Software}$	1999	94.0	0.0	93162
623	${\tt Software}$	2000	81.0	0.0	80278
624	${\tt Software}$	2001	76.0	0.0	75322
625	${\tt Software}$	2002	179.0	0.1	77403
626	${\tt Software}$	2003	191.0	0.1	89296
2017					
Soft	ware				
		domain	Year	Count	domai
165	${\tt Computer}$	Science	1963	1.0	0
166	${\tt Computer}$	Science	1972	5.0	0
167	${\tt Computer}$	Science	1973	1.0	0
168	${\tt Computer}$	Science	1974	12.0	0
160	Computor	Caionas	1075	1 0	^

Computer Science							
Comp	domain	Year	Count	domain_	Score		
594	Software	1963	0.0	_	000000		
595	Software	1972	0.0		00000		
596	Software	1973	0.0		00000		
597	Software	1973	5.0		004955		
	Software		1.0				
598	Software	1975	0.0		000991 000000		
599 600	Software	1976 1977	1.0		000991		
600 601	Software	1978	4.0		003964		
	Software						
602		1979	2.0		001982		
603	Software	1980	1.0		000991		
604	Software	1981	1.0		000991		
605	Software	1982	1.0		000991		
606	Software	1983	0.0		00000		
607	Software	1984	4.0		03964		
608	Software	1985	1.0		000991		
609	Software	1986	0.0		000000		
610	Software	1987	4.0		03964		
611	Software	1988	4.0		03964		
612	Software	1989	3.0		02973		
613	Software	1990	10.0		009911		
614	Software	1991	14.0		13875		
615	Software	1992	8.0		07929		
616	Software	1993	18.0		17839		
617	Software	1994	23.0		22795		
618	Software	1995	50.0		49554		
619	Software	1996	74.0		73340		
620	Software	1997	69.0	0.0	68385		
621	Software	1998	90.0	0.0	89197		
622	Software	1999	94.0		93162		
623	Software	2000	81.0	0.0	80278		
624	Software	2001	76.0	0.0	75322		
625	Software	2002	179.0	0.1	.77403		
626	Software	2003	191.0	0.1	.89296		
2018							
Soft	ware						
		domai	n Year	Count	domain_Score		
165	Computer	Scienc	e 1963	1.0	0.000194		
166	Computer	Scienc	e 1972	5.0	0.000968		
167	Computer	Scienc	e 1973	1.0	0.000194		
168	Computer	Scienc	e 1974	12.0	0.002324		
169	Computer	Scienc	e 1975	1.0	0.000194		
170	Computer	Scienc	e 1976	1.0	0.000194		
171	Computer	Scienc	e 1977	1.0	0.000194		
172	Computer	Scienc	e 1978	3.0	0.000581		
173	Computer	Scienc	e 1979	3.0	0.000581		
174	Computer	Scienc	e 1980	5.0	0.000968		

175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	${\tt Computer}$	Science	1995	374.0	0.072439
190	${\tt Computer}$	Science	1996	349.0	0.067596
191	${\tt Computer}$	Science	1997	401.0	0.077668
192	${\tt Computer}$	Science	1998	420.0	0.081348
193	${\tt Computer}$	Science	1999	389.0	0.075344
194	${\tt Computer}$	Science	2000	451.0	0.087352
195	${\tt Computer}$	Science	2001	366.0	0.070889
196	${\tt Computer}$	Science	2002	882.0	0.170831
197	${\tt Computer}$	Science	2003	957.0	0.185357
2016					
2010					
	uter Scie	nce			
	ıter Scie	domain	Year	Count	domain_Score
	iter Scien Computer		Year 1963	1.0	domain_Score 0.000194
Compi		domain			0.000194 0.000968
Compu	Computer Computer	domain Science	1963	1.0	0.000194
Compu 165 166	Computer Computer	domain Science Science	1963 1972	1.0 5.0	0.000194 0.000968 0.000194 0.002324
Compt 165 166 167	Computer Computer	domain Science Science Science	1963 1972 1973	1.0 5.0 1.0 12.0 1.0	0.000194 0.000968 0.000194 0.002324 0.000194
165 166 167 168	Computer Computer Computer Computer	domain Science Science Science Science	1963 1972 1973 1974	1.0 5.0 1.0 12.0	0.000194 0.000968 0.000194 0.002324 0.000194
165 166 167 168 169	Computer Computer Computer Computer	domain Science Science Science Science Science	1963 1972 1973 1974 1975	1.0 5.0 1.0 12.0 1.0	0.000194 0.000968 0.000194 0.002324 0.000194
Compt 165 166 167 168 169 170	Computer Computer Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976	1.0 5.0 1.0 12.0 1.0 1.0 3.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000194
165 166 167 168 169 170	Computer Computer Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976 1977	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194
Compt 165 166 167 168 169 170 171 172	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968
Compt 165 166 167 168 169 170 171 172 173	Computer	domain Science Science Science Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976 1977 1978	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162
Compt  165 166 167 168 169 170 171 172 173 174	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968
Compt  165 166 167 168 169 170 171 172 173 174 175	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324
Compt  165 166 167 168 169 170 171 172 173 174 175 176	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387
Compt  165 166 167 168 169 170 171 172 173 174 175 176 177	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131
Compt  165 166 167 168 169 170 171 172 173 174 175 176 177 188 179 180	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648
Compt  165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874
Compt  165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0 20.0 51.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000581 0.000387 0.002324 0.000387 0.002311 0.004648 0.003874 0.009878
Compt  165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874

186 Computer Science 1992

185

Computer Science 1991

39.0

62.0

71.0

0.007554

0.012009

187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	${\tt Computer}$	Science	1995	374.0	0.072439
190	${\tt Computer}$	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	${\tt Computer}$	Science	1998	420.0	0.081348
193	${\tt Computer}$	Science	1999	389.0	0.075344
194	${\tt Computer}$	Science	2000	451.0	0.087352
195	${\tt Computer}$	Science	2001	366.0	0.070889
196	${\tt Computer}$	Science	2002	882.0	0.170831
197	${\tt Computer}$	Science	2003	957.0	0.185357
2016					

_	domain	Year	Count	domain_Score
495	Neuroscience	1963	0.0	0.000000
496	Neuroscience	1972	0.0	0.000000
497	Neuroscience	1973	0.0	0.000000
498	Neuroscience	1974	1.0	0.076923
499	Neuroscience	1975	0.0	0.000000
500	Neuroscience	1976	0.0	0.000000
501	Neuroscience	1977	0.0	0.000000
502	Neuroscience	1978	1.0	0.076923
503	Neuroscience	1979	0.0	0.000000
504	Neuroscience	1980	1.0	0.076923
505	Neuroscience	1981	0.0	0.000000
506	Neuroscience	1982	0.0	0.000000
507	Neuroscience	1983	0.0	0.000000
508	Neuroscience	1984	0.0	0.000000
509	Neuroscience	1985	1.0	0.076923
510	Neuroscience	1986	0.0	0.000000
511	Neuroscience	1987	0.0	0.000000
512	Neuroscience	1988	0.0	0.000000
513	Neuroscience	1989	0.0	0.000000
514	Neuroscience	1990	0.0	0.000000
515	Neuroscience	1991	0.0	0.000000
516	Neuroscience	1992	0.0	0.000000
517	Neuroscience	1993	0.0	0.000000
518	Neuroscience	1994	0.0	0.000000
519	Neuroscience	1995	0.0	0.000000
520	Neuroscience	1996	0.0	0.000000
521	Neuroscience	1997	0.0	0.000000
522	Neuroscience	1998	2.0	0.153846
523	Neuroscience	1999	1.0	0.076923
524	Neuroscience	2000	1.0	0.076923
525	Neuroscience	2001	0.0	0.000000
526	Neuroscience	2002	3.0	0.230769
527	Neuroscience	2003	2.0	0.153846
2016				

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Neuroscience								
		domain	Year	Count	domain_Score			
165	Computer	Science	1963	1.0	0.000194			
166	Computer	Science	1972	5.0	0.000968			
167	Computer	Science	1973	1.0	0.000194			
168	Computer	Science	1974	12.0	0.002324			
169	Computer		1975	1.0	0.000194			
170	-		1976	1.0	0.000194			
	Computer							
171	Computer	Science	1977	1.0	0.000194			
172	Computer	Science	1978	3.0	0.000581			
173	Computer		1979	3.0	0.000581			
174	Computer	Science	1980	5.0	0.000968			
175	Computer	Science	1981	6.0	0.001162			
176	Computer	Science	1982	2.0	0.000387			
177	Computer	Science	1983	12.0	0.002324			
178	Computer	Science	1984	2.0	0.000387			
179	Computer	Science	1985	11.0	0.002131			
180	Computer		1986	24.0	0.004648			
181	Computer		1987	20.0	0.003874			
182	Computer		1988	51.0	0.009878			
183	Computer	Science	1989	29.0	0.005617			
	-							
184	Computer		1990	39.0	0.007554			
185	Computer		1991	62.0	0.012009			
186	Computer	Science	1992	71.0	0.013752			
187	Computer	Science	1993	98.0	0.018981			
188	Computer	Science	1994	114.0	0.022080			
189	Computer	Science	1995	374.0	0.072439			
190	Computer	Science	1996	349.0	0.067596			
191	Computer	Science	1997	401.0	0.077668			
192	Computer	Science	1998	420.0	0.081348			
193	Computer	Science	1999	389.0	0.075344			
194	Computer	Science	2000	451.0	0.087352			
195	Computer		2001	366.0	0.070889			
196	Computer		2002	882.0	0.170831			
197	Computer			957.0	0.185357			
	Compater	perence	2000	301.0	0.100001			
2016 Computer Science								
Comp	nter perei		Voor	Count	domoin Coomo			
1.05	<b>a</b>	domain	Year	Count	domain_Score			
165	Computer		1963	1.0	0.000194			
166	Computer		1972	5.0	0.000968			
167	Computer		1973	1.0	0.000194			
168	Computer	Science	1974	12.0	0.002324			
169	Computer	Science	1975	1.0	0.000194			
170	Computer	Science	1976	1.0	0.000194			
171	Computer	Science	1977	1.0	0.000194			
172	Computer	Science	1978	3.0	0.000581			
173	Computer		1979	3.0	0.000581			
174	Computer		1980	5.0	0.000968			
	1							

175	Computer	Science	1981	6.0	0.001162		
176	-	Science	1982	2.0	0.000387		
177	-	Science	1983	12.0	0.002324		
178	-	Science	1984	2.0	0.000387		
179	-	Science	1985	11.0	0.002131		
180	_	Science	1986	24.0	0.004648		
181	-	Science	1987	20.0	0.003874		
182	-	Science	1988	51.0	0.009878		
183		Science	1989	29.0	0.005617		
184	-	Science	1990	39.0	0.007554		
185		Science	1991	62.0	0.012009		
186	-		1992	71.0	0.012009		
	-	Science	1992	98.0	0.013752		
187	-	Science					
188	-	Science	1994	114.0	0.022080		
189	-	Science	1995	374.0	0.072439		
190	-	Science	1996	349.0	0.067596		
191	-	Science	1997	401.0	0.077668		
192	-	Science	1998	420.0	0.081348		
193	-	Science	1999	389.0	0.075344		
194	1	Science	2000	451.0	0.087352		
195	-	Science	2001	366.0	0.070889		
196	-	Science	2002	882.0	0.170831		
197	-	Science	2003	957.0	0.185357		
2014							
Comp	uter Scien			_			
-		domain	Year	Count	domain_Score		
165	Computer	domain Science	1963	1.0	0.000194		
165 166	Computer Computer	domain Science Science	1963 1972	1.0 5.0	0.000194 0.000968		
165 166 167	Computer Computer	domain Science Science Science	1963 1972 1973	1.0 5.0 1.0	0.000194 0.000968 0.000194		
165 166 167 168	Computer Computer Computer	domain Science Science Science Science	1963 1972 1973 1974	1.0 5.0 1.0 12.0	0.000194 0.000968 0.000194 0.002324		
165 166 167	Computer Computer Computer Computer	domain Science Science Science	1963 1972 1973	1.0 5.0 1.0 12.0 1.0	0.000194 0.000968 0.000194 0.002324 0.000194		
165 166 167 168 169 170	Computer Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science	1963 1972 1973 1974	1.0 5.0 1.0 12.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194		
165 166 167 168 169	Computer Computer Computer Computer Computer Computer	domain Science Science Science Science Science	1963 1972 1973 1974 1975	1.0 5.0 1.0 12.0 1.0 1.0	0.000194 0.000968 0.000194 0.002324 0.000194		
165 166 167 168 169 170	Computer Computer Computer Computer Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976	1.0 5.0 1.0 12.0 1.0 1.0 3.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000194		
165 166 167 168 169 170 171	Computer Computer Computer Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194		
165 166 167 168 169 170 171	Computer Computer Computer Computer Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976 1977	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000194		
165 166 167 168 169 170 171 172 173	Computer	domain Science Science Science Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976 1977 1978	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000194 0.000581		
165 166 167 168 169 170 171 172 173 174	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968		
165 166 167 168 169 170 171 172 173 174	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162		
165 166 167 168 169 170 171 172 173 174 175	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387		
165 166 167 168 169 170 171 172 173 174 175 176	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324		
165 166 167 168 169 170 171 172 173 174 175 176 177	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387		
165 166 167 168 169 170 171 172 173 174 175 176 177 178	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131		
165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648		
165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0 20.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874		
165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0 20.0 51.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000581 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874 0.009878		
165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0 20.0 51.0 29.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000581 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874 0.009878 0.005617		

0.013752

187	Computer	Science	1993	98.0	0.018981
188	${\tt Computer}$	Science	1994	114.0	0.022080
189	${\tt Computer}$	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2015					
Compu	ıter Scier	nce			
		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	${\tt Computer}$	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	${\tt Computer}$	Science	1983	12.0	0.002324
178	${\tt Computer}$	Science	1984	2.0	0.000387
179	${\tt Computer}$	Science	1985	11.0	0.002131
180	${\tt Computer}$	Science	1986	24.0	0.004648
181	${\tt Computer}$	Science	1987	20.0	0.003874
182	${\tt Computer}$	Science	1988	51.0	0.009878
183	${\tt Computer}$	Science	1989	29.0	0.005617
184	${\tt Computer}$	Science	1990	39.0	0.007554
185	${\tt Computer}$	Science	1991	62.0	0.012009
186	${\tt Computer}$	Science	1992	71.0	0.013752
187	${\tt Computer}$	Science	1993	98.0	0.018981
188	${\tt Computer}$	Science	1994	114.0	0.022080
189	${\tt Computer}$	Science	1995	374.0	0.072439
190	${\tt Computer}$	Science	1996	349.0	0.067596
191	${\tt Computer}$	Science	1997	401.0	0.077668
192	${\tt Computer}$	Science	1998	420.0	0.081348
193	${\tt Computer}$	Science	1999	389.0	0.075344
101	<b>a</b>	C	0000	4F4 A	0 007050

194 Computer Science 2000 451.0

195 Computer Science

197 Computer Science

196

2015

Computer Science

2001 366.0

2002 882.0

2003 957.0

0.087352

0.070889

0.170831

Computer Sc	ıer	ıсе
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	domain	Year	Count	domain_Score
561	Political	1963	0.0	0.000000
562	Political	1972	0.0	0.000000
563	Political	1973	0.0	0.000000
564	Political	1974	0.0	0.000000
565	Political	1975	0.0	0.000000
566	Political	1976	0.0	0.000000
567	Political	1977	0.0	0.000000
568	Political	1978	0.0	0.000000
569	Political	1979	0.0	0.000000
570	Political	1980	0.0	0.000000
571	Political	1981	1.0	0.003774
572	Political	1982	0.0	0.000000
573	Political	1983	0.0	0.000000
574	Political	1984	1.0	0.003774
575	Political	1985	0.0	0.000000
576	Political	1986	0.0	0.000000
577	Political	1987	1.0	0.003774
578	Political	1988	1.0	0.003774
579	Political	1989	0.0	0.000000
580	Political	1990	5.0	0.018868
581	Political	1991	2.0	0.007547
582	Political	1992	3.0	0.011321
583	Political	1993	1.0	0.003774
584	Political	1994	5.0	0.018868
585	Political	1995	11.0	0.041509
586	Political	1996	20.0	0.075472
587	Political	1997	11.0	0.041509
588	Political	1998	18.0	0.067925
589	Political	1999	26.0	0.098113
590	Political	2000	28.0	0.105660
591	Political	2001	21.0	0.079245
592	Political	2002	49.0	0.184906
593	Political	2003	61.0	0.230189
2016				

### Political

	domain	Year	Count	domain_Score
330	History	1963	0.0	0.000000
331	History	1972	0.0	0.000000
332	History	1973	0.0	0.000000
333	History	1974	0.0	0.000000
334	History	1975	0.0	0.000000
335	History	1976	0.0	0.000000
336	History	1977	0.0	0.000000
337	History	1978	0.0	0.000000
338	History	1979	0.0	0.000000
339	History	1980	0.0	0.000000

340	History	1981	2.0	0.006944
341	History	1982	0.0	0.000000
342	History	1983	1.0	0.003472
343	History	1984	1.0	0.003472
344	History	1985	0.0	0.000000
345	History	1986	3.0	0.010417
346	History	1987	2.0	0.006944
347	History	1988	2.0	0.006944
348	History	1989	1.0	0.003472
349	History	1990	1.0	0.003472
350	History	1991	4.0	0.013889
351	History	1992	3.0	0.010417
352	History	1993	2.0	0.006944
353	History	1994	4.0	0.013889
354	History	1995	12.0	0.041667
355	History	1996	19.0	0.065972
356	History	1997	16.0	0.055556
357	History	1998	20.0	0.069444
358	History	1999	17.0	0.059028
359	History	2000	19.0	0.065972
360	History	2001	31.0	0.107639
361	History	2002	67.0	0.232639
362	History	2003	61.0	0.211806
2016				
Hist	ory			

domain Year Count domain\_Score Computer Science 1963 1.0 0.000194 165 1972 5.0 166 Computer Science 0.000968 167 1973 1.0 Computer Science 0.000194 168 Computer Science 1974 12.0 0.002324 169 Computer Science 1975 1.0 0.000194 Computer Science 1976 170 1.0 0.000194 171 Computer Science 1977 1.0 0.000194 172 Computer Science 1978 3.0 0.000581 173 Computer Science 1979 3.0 0.000581 5.0 174 Computer Science 1980 0.000968 Computer Science 6.0 175 1981 0.001162 176 Computer Science 1982 2.0 0.000387 0.002324 177 Computer Science 1983 12.0 Computer Science 1984 2.0 178 0.000387 179 Computer Science 1985 11.0 0.002131 24.0 180 Computer Science 1986 0.004648 181 Computer Science 1987 20.0 0.003874 Computer Science 1988 51.0 182 0.009878 183 Computer Science 1989 29.0 0.005617 184 Computer Science 1990 39.0 0.007554 185 Computer Science 1991 62.0 0.012009

1992

71.0

186

Computer Science

187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2017					
Comp	uter Scien	.ce			
		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	-	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	-	Science	1981	6.0	0.001162
176	-	Science	1982	2.0	0.000387
177	-	Science	1983	12.0	0.002324
178	-	Science	1984	2.0	0.000387
179	-	Science	1985	11.0	0.002131
180	-	Science	1986	24.0	0.004648
181	-	Science	1987	20.0	0.003874
182	Computer		1988	51.0	0.009878
183	Computer		1989	29.0	0.005617
184	Computer		1990	39.0	0.007554
185	-	Science	1991	62.0	0.012009
186	-	Science	1992	71.0	0.013752
187	-	Science	1993	98.0	0.018981
188	-	Science	1994	114.0	0.022080
189	-	Science	1995	374.0	0.072439
190	Computer		1996	349.0	0.067596
191	Computer		1997	401.0	0.077668
192	-	Science	1998	420.0	0.081348
193	-	Science	1999	389.0	0.075344
194	Computer		2000	451.0	0.087352
195	Computer	ocience	2001	366.0	0.070889

196 Computer Science 2002 882.0

197 Computer Science 2003 957.0

2017

0.170831

0011	Pucci Doior	100			
		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	-	Science	1996	349.0	0.067596
191	-	Science	1997	401.0	0.077668
192	-	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	-	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	-	Science	2002	882.0	0.170831
197	-	Science	2003	957.0	0.185357
201	7				
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# Computer Science

	domain	Year	Count	domain_Score
561	Political	1963	0.0	0.000000
562	Political	1972	0.0	0.000000
563	Political	1973	0.0	0.000000
564	Political	1974	0.0	0.000000
565	Political	1975	0.0	0.000000
566	Political	1976	0.0	0.000000
567	Political	1977	0.0	0.000000
568	Political	1978	0.0	0.000000
569	Political	1979	0.0	0.000000
570	Political	1980	0.0	0.000000

571	Political	1981	1.0	0.003774
572	Political	1982	0.0	0.000000
573	Political	1983	0.0	0.000000
574	Political	1984	1.0	0.003774
575	Political	1985	0.0	0.000000
576	Political	1986	0.0	0.000000
577	Political	1987	1.0	0.003774
578	Political	1988	1.0	0.003774
579	Political	1989	0.0	0.000000
580	Political	1990	5.0	0.018868
581	Political	1991	2.0	0.007547
582	Political	1992	3.0	0.011321
583	Political	1993	1.0	0.003774
584	Political	1994	5.0	0.018868
585	Political	1995	11.0	0.041509
586	Political	1996	20.0	0.075472
587	Political	1997	11.0	0.041509
588	Political	1998	18.0	0.067925
589	Political	1999	26.0	0.098113
590	Political	2000	28.0	0.105660
591	Political	2001	21.0	0.079245
592	Political	2002	49.0	0.184906
593	Political	2003	61.0	0.230189
2017				
Poli	tical			

Political

	domain	Year	Count	domain_Score
198	Earth Science	1963	0.0	0.000000
199	Earth Science	1972	0.0	0.000000
200	Earth Science	1973	1.0	0.001754
201	Earth Science	1974	6.0	0.010526
202	Earth Science	1975	0.0	0.000000
203	Earth Science	1976	0.0	0.000000
204	Earth Science	1977	3.0	0.005263
205	Earth Science	1978	2.0	0.003509
206	Earth Science	1979	2.0	0.003509
207	Earth Science	1980	4.0	0.007018
208	Earth Science	1981	3.0	0.005263
209	Earth Science	1982	0.0	0.000000
210	Earth Science	1983	0.0	0.000000
211	Earth Science	1984	5.0	0.008772
212	Earth Science	1985	4.0	0.007018
213	Earth Science	1986	3.0	0.005263
214	Earth Science	1987	8.0	0.014035
215	Earth Science	1988	8.0	0.014035
216	Earth Science	1989	4.0	0.007018
217	Earth Science	1990	14.0	0.024561
218	Earth Science	1991	5.0	0.008772
219	Earth Science	1992	9.0	0.015789

220	Earth	Science	1993	17.0	0.029825
221	Earth	Science	1994	9.0	0.015789
222	Earth	Science	1995	23.0	0.040351
223	Earth	Science	1996	28.0	0.049123
224	Earth	Science	1997	41.0	0.071930
225	Earth	Science	1998	35.0	0.061404
226	Earth	Science	1999	27.0	0.047368
227	Earth	Science	2000	23.0	0.040351
228	Earth	Science	2001	27.0	0.047368
229	Earth	Science	2002	105.0	0.184211
230	Earth	Science	2003	154.0	0.270175
2017					

### Earth Science

	domain	Year	Count	domain_Score
561	Political	1963	0.0	0.000000
562	Political	1972	0.0	0.000000
563	Political	1973	0.0	0.000000
564	Political	1974	0.0	0.000000
565	Political	1975	0.0	0.000000
566	Political	1976	0.0	0.000000
567	Political	1977	0.0	0.000000
568	Political	1978	0.0	0.000000
569	Political	1979	0.0	0.000000
570	Political	1980	0.0	0.000000
571	Political	1981	1.0	0.003774
572	Political	1982	0.0	0.000000
573	Political	1983	0.0	0.000000
574	Political	1984	1.0	0.003774
575	Political	1985	0.0	0.000000
576	Political	1986	0.0	0.000000
577	Political	1987	1.0	0.003774
578	Political	1988	1.0	0.003774
579	Political	1989	0.0	0.000000
580	Political	1990	5.0	0.018868
581	Political	1991	2.0	0.007547
582	Political	1992	3.0	0.011321
583	Political	1993	1.0	0.003774
584	Political	1994	5.0	0.018868
585	Political	1995	11.0	0.041509
586	Political	1996	20.0	0.075472
587	Political	1997	11.0	0.041509
588	Political	1998	18.0	0.067925
589	Political	1999	26.0	0.098113
590	Political	2000	28.0	0.105660
591	Political	2001	21.0	0.079245
592	Political	2002	49.0	0.184906
593	Political	2003	61.0	0.230189
2017				

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		domain	Year	Count	domain_Score
198	Earth	Science	1963	0.0	0.000000
199	Earth	Science	1972	0.0	0.000000
200	Earth	Science	1973	1.0	0.001754
201	Earth	Science	1974	6.0	0.010526
202	Earth	Science	1975	0.0	0.000000
203	Earth	Science	1976	0.0	0.000000
204	Earth	Science	1977	3.0	0.005263
205	Earth	Science	1978	2.0	0.003509
206	Earth	Science	1979	2.0	0.003509
207	Earth	Science	1980	4.0	0.007018
208	Earth	Science	1981	3.0	0.005263
209	Earth	Science	1982	0.0	0.000000
210	Earth	Science	1983	0.0	0.000000
211	Earth	Science	1984	5.0	0.008772
212	Earth	Science	1985	4.0	0.007018
213	Earth	Science	1986	3.0	0.005263
214	Earth	Science	1987	8.0	0.014035
215	Earth	Science	1988	8.0	0.014035
216	Earth	Science	1989	4.0	0.007018
217	Earth	Science	1990	14.0	0.024561
218	Earth	Science	1991	5.0	0.008772
219	${\tt Earth}$	Science	1992	9.0	0.015789
220	${\tt Earth}$	Science	1993	17.0	0.029825
221	${\tt Earth}$	Science	1994	9.0	0.015789
222	${\tt Earth}$	Science	1995	23.0	0.040351
223	${\tt Earth}$	Science	1996	28.0	0.049123
224	${\tt Earth}$	Science	1997	41.0	0.071930
225	${\tt Earth}$	Science	1998	35.0	0.061404
226	${\tt Earth}$	Science	1999	27.0	0.047368
227	${\tt Earth}$	Science	2000	23.0	0.040351
228	${\tt Earth}$	Science	2001	27.0	0.047368
229	${\tt Earth}$	Science	2002	105.0	0.184211
230	Earth	Science	2003	154.0	0.270175
2017					

### Earth Science

		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968

175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2017					
Comp	uter Scie	nce			
		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
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Computer Science 1988

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71.0

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1992

187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2017	•				
Compu	ıter Scier	nce			
_		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer		2001	366.0	0.070889
106	Computor	Caionas	2002	000 0	0 170021

196 Computer Science 2002 882.0

197 Computer Science 2003 957.0

2017

0.170831

Computer	Science
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_		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2018					
Comp	uter Scie	nce			
		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968

175	${\tt Computer}$	Science	1981	6.0	0.001162
176	${\tt Computer}$	Science	1982	2.0	0.000387
177	${\tt Computer}$	Science	1983	12.0	0.002324
178	${\tt Computer}$	Science	1984	2.0	0.000387
179	${\tt Computer}$	Science	1985	11.0	0.002131
180	${\tt Computer}$	Science	1986	24.0	0.004648
181	${\tt Computer}$	Science	1987	20.0	0.003874
182	${\tt Computer}$	Science	1988	51.0	0.009878
183	${\tt Computer}$	Science	1989	29.0	0.005617
184	${\tt Computer}$	Science	1990	39.0	0.007554
185	${\tt Computer}$	Science	1991	62.0	0.012009
186	${\tt Computer}$	Science	1992	71.0	0.013752
187	${\tt Computer}$	Science	1993	98.0	0.018981
188	${\tt Computer}$	Science	1994	114.0	0.022080
189	${\tt Computer}$	Science	1995	374.0	0.072439
190	${\tt Computer}$	Science	1996	349.0	0.067596
191	${\tt Computer}$	Science	1997	401.0	0.077668
192	${\tt Computer}$	Science	1998	420.0	0.081348
193	${\tt Computer}$	Science	1999	389.0	0.075344
194	${\tt Computer}$	Science	2000	451.0	0.087352
195	${\tt Computer}$	Science	2001	366.0	0.070889
196	${\tt Computer}$	Science	2002	882.0	0.170831
197	${\tt Computer}$	Science	2003	957.0	0.185357
2018					
Compu	ıter Scie	nce			
		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	<b>A</b>	a .			
	Computer	Science	1972	5.0	0.000968
167	Computer	Science Science	1972 1973	1.0	0.000968 0.000194
167 168	-			1.0 12.0	0.000968 0.000194 0.002324
168 169	Computer Computer Computer	Science Science Science	1973 1974 1975	1.0 12.0 1.0	0.000968 0.000194 0.002324 0.000194
168 169 170	Computer Computer	Science Science Science	1973 1974 1975 1976	1.0 12.0 1.0 1.0	0.000968 0.000194 0.002324 0.000194 0.000194
168 169	Computer Computer Computer	Science Science Science	1973 1974 1975	1.0 12.0 1.0 1.0	0.000968 0.000194 0.002324 0.000194
168 169 170 171 172	Computer Computer Computer Computer Computer	Science Science Science Science Science Science	1973 1974 1975 1976 1977 1978	1.0 12.0 1.0 1.0 1.0	0.000968 0.000194 0.002324 0.000194 0.000194 0.000581
168 169 170 171	Computer Computer Computer Computer Computer Computer	Science Science Science Science Science Science	1973 1974 1975 1976 1977	1.0 12.0 1.0 1.0 1.0 3.0	0.000968 0.000194 0.002324 0.000194 0.000194
168 169 170 171 172	Computer Computer Computer Computer Computer Computer Computer	Science Science Science Science Science Science Science	1973 1974 1975 1976 1977 1978	1.0 12.0 1.0 1.0 3.0 3.0 5.0	0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968
168 169 170 171 172 173 174 175	Computer Computer Computer Computer Computer Computer Computer Computer	Science Science Science Science Science Science Science Science	1973 1974 1975 1976 1977 1978 1979 1980	1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0	0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162
168 169 170 171 172 173 174 175	Computer Computer Computer Computer Computer Computer Computer Computer Computer	Science Science Science Science Science Science Science Science Science	1973 1974 1975 1976 1977 1978 1979 1980 1981	1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0	0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387
168 169 170 171 172 173 174 175 176	Computer	Science	1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983	1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0	0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324
168 169 170 171 172 173 174 175 176 177	Computer	Science	1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984	1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0	0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387
168 169 170 171 172 173 174 175 176 177 178	Computer	Science	1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985	1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0	0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131
168 169 170 171 172 173 174 175 176 177 178 179 180	Computer	Science	1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986	1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0	0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648
168 169 170 171 172 173 174 175 176 177 178 179 180	Computer	Science	1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986	1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0	0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874
168 169 170 171 172 173 174 175 176 177 178 179 180 181	Computer	Science	1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987	1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0 20.0 51.0	0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874 0.009878
168 169 170 171 172 173 174 175 176 177 178 179 180	Computer	Science	1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986	1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0	0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874

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Computer Science 1990

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186 Computer Science 1992

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187	Computer	Science	1993	98.0	0.018981
188	${\tt Computer}$	Science	1994	114.0	0.022080
189	${\tt Computer}$	Science	1995	374.0	0.072439
190	${\tt Computer}$	Science	1996	349.0	0.067596
191	${\tt Computer}$	Science	1997	401.0	0.077668
192	${\tt Computer}$	Science	1998	420.0	0.081348
193	${\tt Computer}$	Science	1999	389.0	0.075344
194	${\tt Computer}$	Science	2000	451.0	0.087352
195	${\tt Computer}$	Science	2001	366.0	0.070889
196	${\tt Computer}$	Science	2002	882.0	0.170831
197	${\tt Computer}$	Science	2003	957.0	0.185357
2015					
Compu	ıter Scier	ice			
		domain	Year	Count	domain_Score
165	${\tt Computer}$	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
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Computer Science

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Comp	uter Scie	nce				
•	domain	Year	Count	domain_	Score	
330	History	1963	0.0	0.0	00000	
331	History	1972	0.0	0.0	00000	
332	History	1973	0.0	0.0	00000	
333	History	1974	0.0	0.0	00000	
334	History	1975	0.0	0.0	00000	
335	History	1976	0.0	0.0	00000	
336	History	1977	0.0	0.0	00000	
337	History	1978	0.0	0.0	00000	
338	History	1979	0.0	0.0	00000	
339	History	1980	0.0	0.0	00000	
340	History	1981	2.0	0.0	06944	
341	History	1982	0.0	0.0	00000	
342	History	1983	1.0	0.0	03472	
343	History	1984	1.0	0.0	03472	
344	History	1985	0.0	0.0	00000	
345	History	1986	3.0	0.0	10417	
346	History	1987	2.0	0.0	06944	
347	History	1988	2.0	0.0	06944	
348	History	1989	1.0	0.0	03472	
349	History	1990	1.0	0.0	03472	
350	History	1991	4.0	0.0	13889	
351	History	1992	3.0	0.0	10417	
352	History	1993	2.0	0.0	06944	
353	History	1994	4.0	0.0	13889	
354	History	1995	12.0	0.0	41667	
355	History	1996	19.0	0.0	65972	
356	History	1997	16.0	0.0	55556	
357	History	1998	20.0	0.0	69444	
358	History	1999	17.0	0.0	59028	
359	History	2000	19.0	0.0	65972	
360	History	2001	31.0	0.1	07639	
361	History	2002	67.0	0.2	32639	
362	History	2003	61.0	0.2	11806	
2017						
Hist	ory					
		domai	n Ye	ar Count	doma	in_Score
165	Computer	Scienc	e 19	63 1.0		0.000194
166	Computer	Scienc	e 19	72 5.0		0.000968
167	Computer	Scienc	e 19	73 1.0		0.000194
168	Computer			74 12.0		0.002324
169	Computer					0.000194
170	Computer					0.000194
171	Computer					0.000194
172	Computer					0.000581
173	Computer					0.000581
174	Computer	Scienc	e 198	30 5.0		0.000968

175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2016					
Comp	uter Scie	nce			
		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Committee	Caianaa	1986	24.0	0.004648
	Computer	Science	1300		0.004040
181	Computer	Science	1987	20.0	0.003874
181 182	-				

Computer Science

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Computer Science 1990

Computer Science 1991

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1992

187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2016					
Comp	uter Scier	nce			
		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
400	a .	α ·	4000	000 0	0.075044

1999 389.0

2000 451.0

2002 882.0

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Computer Science

Computer Science

Computer Science

Computer Science

197 Computer Science

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2016

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0.075344

0.087352

0.070889

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Computer Sc	cience
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		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	${\tt Computer}$	Science	1996	349.0	0.067596
191	${\tt Computer}$	Science	1997	401.0	0.077668
192	${\tt Computer}$	Science	1998	420.0	0.081348
193	${\tt Computer}$	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	${\tt Computer}$	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2016					
Comp	uter Scie	nce			
		domain	Year	Count	domain_Score
165	Computer		1963	1.0	0.000194
166	Computer		1972	5.0	0.000968
167	Computer		1973	1.0	0.000194
168	Computer		1974	12.0	0.002324
169	Computer		1975	1.0	0.000194
170	Computer		1976	1.0	0.000194
171	Computer		1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer		1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968

175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2016					

	domain	Year	Count	domain_Score
297	Health	1963	0.0	0.000000
298	Health	1972	0.0	0.000000
299	Health	1973	0.0	0.000000
300	Health	1974	0.0	0.000000
301	Health	1975	0.0	0.000000
302	Health	1976	1.0	0.006211
303	Health	1977	0.0	0.000000
304	Health	1978	0.0	0.000000
305	Health	1979	0.0	0.000000
306	Health	1980	0.0	0.000000
307	Health	1981	0.0	0.000000
308	Health	1982	0.0	0.000000
309	Health	1983	1.0	0.006211
310	Health	1984	2.0	0.012422
311	Health	1985	0.0	0.000000
312	Health	1986	1.0	0.006211
313	Health	1987	1.0	0.006211
314	Health	1988	0.0	0.000000
315	Health	1989	0.0	0.000000
316	Health	1990	0.0	0.000000
317	Health	1991	0.0	0.000000
318	Health	1992	0.0	0.000000

040		1000		0 000	000
319	Health		0.0	0.000	
320	Health	1994 2	2.0	0.012	422
321	Health	1995 10	0.0	0.062	112
322	Health	1996 7	7.0	0.043	478
323	Health	1997 9	0.0	0.055	901
324	Health		2.0	0.074	
325	Health		9.0	0.055	
326	Health		3.0	0.080	
327	Health		3.0	0.099	
328	Health	2002 45	5.0	0.279	503
329	Health	2003 32	2.0	0.198	758
2016					
Heal	th				
		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	_			5.0	0.000151
	_	Science	1972		
167	-	Science	1973	1.0	0.000194
168	_	Science	1974	12.0	0.002324
169	-	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	-	Science	1980	5.0	0.000968
175	-	Science	1981	6.0	0.001162
176	Computer		1982	2.0	0.000387
177	-	Science	1983	12.0	0.002324
	-				
178	_	Science	1984	2.0	0.000387
179	Computer		1985	11.0	0.002131
180	Computer		1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	-	Science	1992	71.0	0.013752
187	-	Science	1993	98.0	0.018981
188	-	Science	1994	114.0	0.022080
	-	Science		374.0	0.072439
189	-		1995		
190	-	Science	1996	349.0	0.067596
191	_	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	_	Science	2002	882.0	0.170831
197	_	Science	2003	957.0	0.185357
2016	r				

Computer S	Science
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		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	${\tt Computer}$	Science	1997	401.0	0.077668
192	${\tt Computer}$	Science	1998	420.0	0.081348
193	${\tt Computer}$	Science	1999	389.0	0.075344
194	${\tt Computer}$	Science	2000	451.0	0.087352
195	${\tt Computer}$	Science	2001	366.0	0.070889
196	${\tt Computer}$	Science	2002	882.0	0.170831
197	${\tt Computer}$	Science	2003	957.0	0.185357
2017					
Compu	ıter Scie	ice			
		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	${\tt Computer}$	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	${\tt Computer}$	Science	1976	1.0	0.000194
171	${\tt Computer}$		1977	1.0	0.000194
172	${\tt Computer}$	Science	1978	3.0	0.000581
173	${\tt Computer}$	Science	1979	3.0	0.000581
174	${\tt Computer}$	Science	1980	5.0	0.000968

175					
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2017					
Comp	uter Scie	nce			
		domain	Year	Count	1
		domain	rear	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
165 166	Computer Computer				<del>-</del>
	_	Science	1963	1.0	0.000194
166	Computer	Science Science	1963 1972	1.0 5.0	0.000194 0.000968
166 167	Computer Computer	Science Science Science	1963 1972 1973	1.0 5.0 1.0	0.000194 0.000968 0.000194
166 167 168	Computer Computer Computer Computer	Science Science Science Science	1963 1972 1973 1974	1.0 5.0 1.0 12.0	0.000194 0.000968 0.000194 0.002324
166 167 168 169 170 171	Computer Computer Computer	Science Science Science Science Science	1963 1972 1973 1974 1975	1.0 5.0 1.0 12.0 1.0	0.000194 0.000968 0.000194 0.002324 0.000194
166 167 168 169 170 171 172	Computer Computer Computer Computer Computer Computer Computer	Science Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976	1.0 5.0 1.0 12.0 1.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000194
166 167 168 169 170 171	Computer Computer Computer Computer Computer Computer	Science Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976 1977	1.0 5.0 1.0 12.0 1.0 1.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194
166 167 168 169 170 171 172 173	Computer Computer Computer Computer Computer Computer Computer	Science Science Science Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976 1977	1.0 5.0 1.0 12.0 1.0 1.0 3.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000194 0.000581 0.000581
166 167 168 169 170 171 172 173 174	Computer Computer Computer Computer Computer Computer Computer Computer Computer	Science Science Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976 1977 1978	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162
166 167 168 169 170 171 172 173	Computer	Science Science Science Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976 1977 1978 1979	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.00068 0.001162 0.000387
166 167 168 169 170 171 172 173 174	Computer	Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162
166 167 168 169 170 171 172 173 174 175 176 177	Computer	Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387
166 167 168 169 170 171 172 173 174 175 176 177 178	Computer	Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131
166 167 168 169 170 171 172 173 174 175 176 177 178 179 180	Computer	Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648
166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181	Computer	Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0 20.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874
166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182	Computer	Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0 20.0 51.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000581 0.000387 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874 0.009878
166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183	Computer	Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0 20.0 51.0 29.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000581 0.000387 0.002324 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874 0.009878 0.005617
166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184	Computer	Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0 29.0 39.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874 0.009878 0.005617 0.007554
166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185	Computer	Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990	1.0 5.0 1.0 12.0 1.0 1.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0 20.0 51.0 29.0 39.0 62.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000581 0.000387 0.002324 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874 0.009878 0.005617 0.007554 0.012009
166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184	Computer	Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0 29.0 39.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874 0.009878 0.005617 0.007554

187	Computer Science	1993	98.0	0.018981
188	Computer Science	1994	114.0	0.022080
189	Computer Science	1995	374.0	0.072439
190	Computer Science	1996	349.0	0.067596
191	Computer Science	1997	401.0	0.077668
192	Computer Science	1998	420.0	0.081348
193	Computer Science	1999	389.0	0.075344
194	Computer Science	2000	451.0	0.087352
195	Computer Science	2001	366.0	0.070889
196	Computer Science	2002	882.0	0.170831
197	Computer Science	2003	957.0	0.185357
2017	7			
Comp	outer Science			
	domain	Year	Count	domain_Score
165	Computer Science	1963	1.0	0.000194
166	Computer Science	1972	5.0	0.000968
167	Computer Science	1973	1.0	0.000194
168	Computer Science	1974	12.0	0.002324
169	Computer Science	1975	1.0	0.000194
170	Computer Science	1976	1.0	0.000194
171	Computer Science	1977	1.0	0.000194
172	Computer Science	1978	3.0	0.000581
173	Computer Science	1979	3.0	0.000581
174	Computer Science	1980	5.0	0.000968
175	Computer Science	1981	6.0	0.001162
176	Computer Science	1982	2.0	0.000387
177	Computer Science	1983	12.0	0.002324
178	Computer Science	1984	2.0	0.000387
179	Computer Science	1985	11.0	0.002131
180	Computer Science	1986	24.0	0.004648
181	Computer Science	1987	20.0	0.003874
182	Computer Science	1988	51.0	0.009878
183	Computer Science	1989	29.0	0.005617
184	Computer Science	1990	39.0	0.007554
185	Computer Science	1991	62.0	0.012009
186	Computer Science	1992	71.0	0.013752
187	Computer Science	1993	98.0	0.018981
188	Computer Science	1994	114.0	0.022080
189	Computer Science	1995	374.0	0.072439
190	Computer Science	1996	349.0	0.067596
191	Computer Science	1997	401.0	0.077668
192	Computer Science	1998	420.0	0.081348
193	Computer Science	1999	389.0	0.075344
194	Computer Science	2000	451.0	0.087352
195	Computer Science	2001	366.0	0.070889
100	O O	0000	000 0	0 170001

196 Computer Science 2002 882.0

197 Computer Science 2003 957.0

2017

0.170831

Computer	Scienc	е
	domain	ν

•	domain	Year	Count	domain_Score
561	Political	1963	0.0	0.000000
562	Political	1972	0.0	0.000000
563	Political	1973	0.0	0.000000
564	Political	1974	0.0	0.000000
565	Political	1975	0.0	0.000000
566	Political	1976	0.0	0.000000
567	Political	1977	0.0	0.000000
568	Political	1978	0.0	0.000000
569	Political	1979	0.0	0.000000
570	Political	1980	0.0	0.000000
571	Political	1981	1.0	0.003774
572	Political	1982	0.0	0.000000
573	Political	1983	0.0	0.000000
574	Political	1984	1.0	0.003774
575	Political	1985	0.0	0.000000
576	Political	1986	0.0	0.000000
577	Political	1987	1.0	0.003774
578	Political	1988	1.0	0.003774
579	Political	1989	0.0	0.000000
580	Political	1990	5.0	0.018868
581	Political	1991	2.0	0.007547
582	Political	1992	3.0	0.011321
583	Political	1993	1.0	0.003774
584	Political	1994	5.0	0.018868
585	Political	1995	11.0	0.041509
586	Political	1996	20.0	0.075472
587	Political	1997	11.0	0.041509
588	Political	1998	18.0	0.067925
589	Political	1999	26.0	0.098113
590	Political	2000	28.0	0.105660
591	Political	2001	21.0	0.079245
592	Political	2002	49.0	0.184906
593	Political	2003	61.0	0.230189
2017				

### Political

		domain	Year	Count	domain_Score
66	Biomedical	Research	1963	0.0	0.000000
67	Biomedical	Research	1972	0.0	0.000000
68	Biomedical	Research	1973	0.0	0.000000
69	Biomedical	Research	1974	2.0	0.009050
70	Biomedical	Research	1975	0.0	0.000000
71	Biomedical	Research	1976	0.0	0.000000
72	Biomedical	Research	1977	1.0	0.004525
73	Biomedical	Research	1978	2.0	0.009050
74	Biomedical	Research	1979	5.0	0.022624
75	Biomedical	Research	1980	1.0	0.004525

76	Biomedical	Research	1981	3.0	0.013575
77	Biomedical	Research	1982	1.0	0.004525
78	Biomedical	Research	1983	1.0	0.004525
79	Biomedical	Research	1984	7.0	0.031674
80	Biomedical	Research	1985	1.0	0.004525
81	Biomedical	Research	1986	4.0	0.018100
82	Biomedical	Research	1987	2.0	0.009050
83	Biomedical	Research	1988	3.0	0.013575
84	Biomedical	Research	1989	2.0	0.009050
85	Biomedical	Research	1990	5.0	0.022624
86	Biomedical	Research	1991	4.0	0.018100
87	Biomedical	Research	1992	4.0	0.018100
88	Biomedical	Research	1993	8.0	0.036199
89	Biomedical	Research	1994	3.0	0.013575
90	Biomedical	Research	1995	12.0	0.054299
91	Biomedical	Research	1996	12.0	0.054299
92	${\tt Biomedical}$	Research	1997	11.0	0.049774
93	Biomedical	Research	1998	11.0	0.049774
94	Biomedical	Research	1999	9.0	0.040724
95	Biomedical	Research	2000	14.0	0.063348
96	${\tt Biomedical}$	Research	2001	15.0	0.067873
97	Biomedical	Research	2002	48.0	0.217195
98	Biomedical	Research	2003	30.0	0.135747
201	7				

### Biomedical Research

		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752

187	Computer Science	1993	98.0	0.018981
188	Computer Science	1994	114.0	0.022080
189	Computer Science	1995	374.0	0.072439
190	Computer Science	1996	349.0	0.067596
191	Computer Science	1997	401.0	0.077668
192	Computer Science	1998	420.0	0.081348
193	Computer Science	1999	389.0	0.075344
194	Computer Science	2000	451.0	0.087352
195	Computer Science	2001	366.0	0.070889
196	Computer Science	2002	882.0	0.170831
197	Computer Science	2003	957.0	0.185357
201	.7			
Com	puter Science			
	domain	Year	Count	domain_Score
165	Computer Science	1963	1.0	0.000194
166	Computer Science	1972	5.0	0.000968
167	Computer Science	1973	1.0	0.000194
168	8 Computer Science	1974	12.0	0.002324
169	Computer Science	1975	1.0	0.000194
170	Computer Science	1976	1.0	0.000194
171	. Computer Science	1977	1.0	0.000194
172	Computer Science	1978	3.0	0.000581
173	S Computer Science	1979	3.0	0.000581
174	Computer Science	1980	5.0	0.000968
175	Computer Science	1981	6.0	0.001162
176	Computer Science	1982	2.0	0.000387
177	Computer Science	1983	12.0	0.002324
178	Computer Science	1984	2.0	0.000387
179	Computer Science	1985	11.0	0.002131
180	Computer Science	1986	24.0	0.004648
181	Computer Science	1987	20.0	0.003874
182	Computer Science	1988	51.0	0.009878
183	Computer Science	1989	29.0	0.005617
184	Computer Science	1990	39.0	0.007554
185	Computer Science	1991	62.0	0.012009
186	Computer Science	1992	71.0	0.013752
187	Computer Science	1993	98.0	0.018981
188	3 Computer Science	1994	114.0	0.022080
189	Computer Science	1995	374.0	0.072439
190	Computer Science	1996	349.0	0.067596
191	Computer Science	1997	401.0	0.077668
192	Computer Science	1998	420.0	0.081348
193	Computer Science	1999	389.0	0.075344
194	Computer Science	2000	451.0	0.087352
195	Computer Science	2001	366.0	0.070889
100	·	0000	000 0	0 170001

196 Computer Science 2002 882.0

197 Computer Science 2003 957.0

2017

0.170831

Computer Sc	ıer	ıсе
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Compi	iter Sciei	nce			
		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer		1972	5.0	0.000968
167	Computer		1973	1.0	0.000194
168	Computer		1974	12.0	0.002324
	-				
169	Computer		1975	1.0	0.000194
170	Computer		1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer		1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	-			11.0	0.000337
	Computer	Science	1985		
180	Computer		1986	24.0	0.004648
181	Computer		1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer		1994	114.0	0.022080
189	Computer		1995	374.0	0.072439
	-				
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer		1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2015	•				
	ıter Scie	nce			
<u>-</u> -		domain	Year	Count	domain_Score
165	Computer		1963	1.0	0.000194
166	-			5.0	
	Computer		1972		0.000968
167	Computer		1973	1.0	0.000194
168	Computer		1974	12.0	0.002324
169	Computer		1975	1.0	0.000194
170	${\tt Computer}$	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer		1979	3.0	0.000581
174	Computer		1980	5.0	0.000968
-· <b>-</b>			•	3.0	

Computer	Science	1981	6.0	0.001162
Computer	Science	1982	2.0	0.000387
Computer	Science	1983	12.0	0.002324
Computer	Science	1984	2.0	0.000387
Computer	Science	1985	11.0	0.002131
Computer	Science	1986	24.0	0.004648
Computer	Science	1987	20.0	0.003874
Computer	Science	1988	51.0	0.009878
Computer	Science	1989	29.0	0.005617
Computer	Science	1990	39.0	0.007554
Computer	Science	1991	62.0	0.012009
Computer	Science	1992	71.0	0.013752
Computer	Science	1993	98.0	0.018981
Computer	Science	1994	114.0	0.022080
${\tt Computer}$	Science	1995	374.0	0.072439
${\tt Computer}$	Science	1996	349.0	0.067596
${\tt Computer}$	Science	1997	401.0	0.077668
${\tt Computer}$	Science	1998	420.0	0.081348
Computer	Science	1999	389.0	0.075344
${\tt Computer}$	Science	2000	451.0	0.087352
${\tt Computer}$	Science	2001	366.0	0.070889
${\tt Computer}$	Science	2002	882.0	0.170831
Computer	Science	2003	957.0	0.185357
	Computer	Computer Science	Computer Science 1982 Computer Science 1983 Computer Science 1984 Computer Science 1985 Computer Science 1986 Computer Science 1987 Computer Science 1988 Computer Science 1989 Computer Science 1990 Computer Science 1991 Computer Science 1991 Computer Science 1992 Computer Science 1993 Computer Science 1993 Computer Science 1995 Computer Science 1995 Computer Science 1996 Computer Science 1997 Computer Science 1998 Computer Science 1998 Computer Science 1999 Computer Science 2000 Computer Science 2000 Computer Science 2001 Computer Science 2001	Computer Science         1982         2.0           Computer Science         1983         12.0           Computer Science         1984         2.0           Computer Science         1985         11.0           Computer Science         1986         24.0           Computer Science         1987         20.0           Computer Science         1988         51.0           Computer Science         1989         29.0           Computer Science         1990         39.0           Computer Science         1991         62.0           Computer Science         1992         71.0           Computer Science         1993         98.0           Computer Science         1994         114.0           Computer Science         1995         374.0           Computer Science         1996         349.0           Computer Science         1997         401.0           Computer Science         1998         420.0           Computer Science         1999         389.0           Computer Science         2000         451.0           Computer Science         2001         366.0           Computer Science         2002         882.0

Oomp	door boron	00		
	domain	Year	Count	domain_Score
594	Software	1963	0.0	0.000000
595	Software	1972	0.0	0.000000
596	Software	1973	0.0	0.000000
597	Software	1974	5.0	0.004955
598	Software	1975	1.0	0.000991
599	Software	1976	0.0	0.000000
600	Software	1977	1.0	0.000991
601	Software	1978	4.0	0.003964
602	Software	1979	2.0	0.001982
603	Software	1980	1.0	0.000991
604	Software	1981	1.0	0.000991
605	Software	1982	1.0	0.000991
606	Software	1983	0.0	0.000000
607	Software	1984	4.0	0.003964
608	Software	1985	1.0	0.000991
609	Software	1986	0.0	0.000000
610	Software	1987	4.0	0.003964
611	Software	1988	4.0	0.003964
612	Software	1989	3.0	0.002973
613	Software	1990	10.0	0.009911
614	Software	1991	14.0	0.013875
615	Software	1992	8.0	0.007929

616	Software	1993	18.0	0.0	17839
617	Software	1994	23.0	0.0	22795
618	Software	1995	50.0	0.0	49554
619	Software	1996	74.0	0.0	73340
620	Software	1997	69.0	0.0	68385
621	Software	1998	90.0	0.0	89197
622	Software	1999	94.0	0.0	93162
623	Software	2000	81.0	0.0	80278
624	Software	2001	76.0	0.0	75322
625	Software	2002	179.0	0.1	77403
626	Software	2003	191.0	0.1	89296
2016					
Soft	ware				
		domai	n Year	Count	doma:

		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2016					

Comp	uter Scie	0.00			
Comp	domain	Year	Count	domain_	Score
594	Software	1963	0.0	_	00000
595	Software	1972	0.0		00000
596	Software	1973	0.0		00000
597	Software	1973	5.0		04955
598	Software	1975	1.0		00991
	Software		0.0		00000
599 600	Software	1976 1977	1.0		00000
600 601	Software	1978	4.0		03964
	Software				
602		1979	2.0		01982
603	Software	1980	1.0		00991
604	Software	1981	1.0		00991
605	Software	1982	1.0		00991
606	Software	1983	0.0		00000
607	Software	1984	4.0		03964
608	Software	1985	1.0		00991
609	Software	1986	0.0		00000
610	Software	1987	4.0		03964
611	Software	1988	4.0		03964
612	Software	1989	3.0		02973
613	Software	1990	10.0		09911
614	Software	1991	14.0		13875
615	Software	1992	8.0		07929
616	Software	1993	18.0		17839
617	Software	1994	23.0		22795
618	Software	1995	50.0		49554
619	Software	1996	74.0		73340
620	Software	1997	69.0		68385
621	Software	1998	90.0		89197
622	Software	1999	94.0		93162
623	Software	2000	81.0		80278
624	Software		76.0		75322
625	Software	2002	179.0		77403
626	Software	2003	191.0	0.1	89296
2014					
Soft	ware				
		domai		Count	domain_Score
165	Computer			1.0	0.000194
166	Computer			5.0	0.000968
167	Computer				0.000194
168	Computer				0.002324
169	Computer	Scienc			0.000194
170	Computer	Scienc	e 1976		0.000194
171	Computer	Scienc	e 1977	1.0	0.000194
172	Computer	Scienc	e 1978	3.0	0.000581
173	Computer	Scienc	e 1979	3.0	0.000581
174	Computer	Scienc	e 1980	5.0	0.000968

175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2016	•				
Comp	uter Scie	nce			
Comp	uter Scie	nce domain	Year	Count	domain_Score
Comp			Year 1963	Count 1.0	domain_Score 0.000194
_	Computer	domain			_
165	Computer Computer	domain Science	1963	1.0	0.000194
165 166	Computer Computer	domain Science Science	1963 1972	1.0 5.0	0.000194 0.000968
165 166 167	Computer Computer Computer	domain Science Science Science	1963 1972 1973	1.0 5.0 1.0	0.000194 0.000968 0.000194
165 166 167 168	Computer Computer	domain Science Science Science Science	1963 1972 1973 1974	1.0 5.0 1.0 12.0	0.000194 0.000968 0.000194 0.002324
165 166 167 168 169	Computer Computer Computer Computer	domain Science Science Science Science Science	1963 1972 1973 1974 1975	1.0 5.0 1.0 12.0 1.0	0.000194 0.000968 0.000194 0.002324 0.000194
165 166 167 168 169 170	Computer Computer Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976	1.0 5.0 1.0 12.0 1.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194
165 166 167 168 169 170	Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976	1.0 5.0 1.0 12.0 1.0 1.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194
165 166 167 168 169 170 171 172	Computer Computer Computer Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976 1977	1.0 5.0 1.0 12.0 1.0 1.0 3.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000194
165 166 167 168 169 170 171 172 173	Computer Computer Computer Computer Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976 1977 1978	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000194 0.000581
165 166 167 168 169 170 171 172 173 174	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968
165 166 167 168 169 170 171 172 173 174	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162
165 166 167 168 169 170 171 172 173 174 175 176	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387
165 166 167 168 169 170 171 172 173 174 175 176	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324
165 166 167 168 169 170 171 172 173 174 175 176 177	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387
165 166 167 168 169 170 171 172 173 174 175 176 177 178	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131
165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648
165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874
165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0 20.0 51.0 29.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000581 0.000387 0.002324 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874 0.009878
165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 11.0 24.0 20.0 51.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000581 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874 0.009878 0.005617
165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989	1.0 5.0 1.0 1.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 11.0 24.0 20.0 51.0 29.0 39.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874 0.009878 0.005617 0.007554

187	Computer	Science	1993	98.0	0.018981
188	${\tt Computer}$	Science	1994	114.0	0.022080
189	${\tt Computer}$	Science	1995	374.0	0.072439
190	${\tt Computer}$	Science	1996	349.0	0.067596
191	${\tt Computer}$	Science	1997	401.0	0.077668
192	${\tt Computer}$	Science	1998	420.0	0.081348
193	${\tt Computer}$	Science	1999	389.0	0.075344
194	${\tt Computer}$	Science	2000	451.0	0.087352
195	${\tt Computer}$	Science	2001	366.0	0.070889
196	${\tt Computer}$	Science	2002	882.0	0.170831
197	${\tt Computer}$	Science	2003	957.0	0.185357
2015					

Comp	mrer peren	Ce		
	domain	Year	Count	domain_Score
264	${\tt Geometry}$	1963	0.0	0.000000
265	${\tt Geometry}$	1972	0.0	0.000000
266	${\tt Geometry}$	1973	0.0	0.000000
267	${\tt Geometry}$	1974	1.0	0.001808
268	Geometry	1975	0.0	0.000000
269	Geometry	1976	0.0	0.000000
270	Geometry	1977	0.0	0.000000
271	Geometry	1978	0.0	0.000000
272	Geometry	1979	0.0	0.000000
273	Geometry	1980	0.0	0.000000
274	Geometry	1981	2.0	0.003617
275	Geometry	1982	0.0	0.000000
276	Geometry	1983	0.0	0.000000
277	Geometry	1984	2.0	0.003617
278	Geometry	1985	3.0	0.005425
279	Geometry	1986	5.0	0.009042
280	Geometry	1987	1.0	0.001808
281	Geometry	1988	10.0	0.018083
282	Geometry	1989	1.0	0.001808
283	Geometry	1990	4.0	0.007233
284	Geometry	1991	3.0	0.005425
285	Geometry	1992	12.0	0.021700
286	Geometry	1993	10.0	0.018083
287	Geometry	1994	8.0	0.014467
288	${\tt Geometry}$	1995	36.0	0.065099
289	${\tt Geometry}$	1996	53.0	0.095841
290	${\tt Geometry}$	1997	44.0	0.079566
291	Geometry	1998	27.0	0.048825
292	Geometry	1999	37.0	0.066908
293	Geometry	2000	34.0	0.061483
294	Geometry	2001	25.0	0.045208
295	Geometry	2002	92.0	0.166365
296	Geometry	2003	143.0	0.258590
2016				

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-00	Compacer	20200			0.00000
167	Computer	Science	1973	1.0	0.000194
168	${\tt Computer}$	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer		2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2016					
Compi	uter Scie				
		domain	Year	Count	domain_Score
165	Computer		1963	1.0	0.000194
166	Computer		1972	5.0	0.000968
167	Computer		1973	1.0	0.000194
168	Computer		1974	12.0	0.002324
169	Computer		1975	1.0	0.000194
170	Computer		1976	1.0	0.000194
171	Computer		1977	1.0	0.000194
172	Computer		1978	3.0	0.000581
173	Computer		1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968

domain Year Count domain\_Score

1.0

5.0

0.000194

175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2015	_				
Comp	uter Scie	nce			
Comp	uter Scie	nce domain	Year	Count	domain_Score
Comp	uter Scien Computer		Year 1963	Count 1.0	domain_Score 0.000194
_		domain			<del>-</del>
165	Computer	domain Science	1963	1.0	0.000194
165 166	Computer Computer	domain Science Science	1963 1972	1.0 5.0	0.000194 0.000968
165 166 167	Computer Computer	domain Science Science Science	1963 1972 1973	1.0 5.0 1.0	0.000194 0.000968 0.000194
165 166 167 168	Computer Computer Computer	domain Science Science Science Science	1963 1972 1973 1974	1.0 5.0 1.0 12.0	0.000194 0.000968 0.000194 0.002324
165 166 167 168 169	Computer Computer Computer Computer	domain Science Science Science Science Science	1963 1972 1973 1974 1975	1.0 5.0 1.0 12.0 1.0	0.000194 0.000968 0.000194 0.002324 0.000194
165 166 167 168 169 170	Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976	1.0 5.0 1.0 12.0 1.0	0.000194 0.000968 0.000194 0.002324 0.000194
165 166 167 168 169 170	Computer Computer Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976	1.0 5.0 1.0 12.0 1.0 1.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194
165 166 167 168 169 170 171 172	Computer Computer Computer Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976 1977	1.0 5.0 1.0 12.0 1.0 1.0 3.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000194
165 166 167 168 169 170 171 172	Computer Computer Computer Computer Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976 1977 1978	1.0 5.0 1.0 12.0 1.0 1.0 3.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581
165 166 167 168 169 170 171 172 173 174	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968
165 166 167 168 169 170 171 172 173 174 175	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162
165 166 167 168 169 170 171 172 173 174 175 176	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387
165 166 167 168 169 170 171 172 173 174 175 176	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324
165 166 167 168 169 170 171 172 173 174 175 176 177	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387
165 166 167 168 169 170 171 172 173 174 175 176 177 178	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131
165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648
165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874
165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0 20.0 51.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874 0.009878
165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988	1.0 5.0 1.0 12.0 1.0 1.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0 20.0 51.0 29.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000581 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874 0.009878 0.005617

0.013752

187	Computer	Science	1993	98.0	0.018981
188	${\tt Computer}$	Science	1994	114.0	0.022080
189	${\tt Computer}$	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2015					
Compu	ıter Scie	nce			
		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	${\tt Computer}$	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	${\tt Computer}$	Science	1996	349.0	0.067596
191	${\tt Computer}$	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
101	<b>a</b>	0	0000	454 0	0 007050

194 Computer Science 2000 451.0

195 Computer Science 2001 366.0

197 Computer Science 2003 957.0

196 Computer Science

2015

2002 882.0

0.087352

0.070889

0.170831

Computer	Science
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-	P'	4001 DO10.	100			
			domain	Year	Count	domain_Score
16	5	Computer	Science	1963	1.0	0.000194
16	6	Computer	Science	1972	5.0	0.000968
16	7	Computer	Science	1973	1.0	0.000194
16	8	Computer	Science	1974	12.0	0.002324
16	9	Computer	Science	1975	1.0	0.000194
17	0	Computer	Science	1976	1.0	0.000194
17	1	Computer	Science	1977	1.0	0.000194
17	2	${\tt Computer}$	Science	1978	3.0	0.000581
17	3	Computer	Science	1979	3.0	0.000581
17	4	Computer	Science	1980	5.0	0.000968
17	5	${\tt Computer}$	Science	1981	6.0	0.001162
17	6	${\tt Computer}$	Science	1982	2.0	0.000387
17	7	${\tt Computer}$	Science	1983	12.0	0.002324
17	8	${\tt Computer}$	Science	1984	2.0	0.000387
17	9	${\tt Computer}$	Science	1985	11.0	0.002131
18	0	${\tt Computer}$	Science	1986	24.0	0.004648
18	1	${\tt Computer}$	Science	1987	20.0	0.003874
18	2	${\tt Computer}$	Science	1988	51.0	0.009878
18	3	${\tt Computer}$	Science	1989	29.0	0.005617
18	4	${\tt Computer}$	Science	1990	39.0	0.007554
18	5	${\tt Computer}$	Science	1991	62.0	0.012009
18	6	Computer	Science	1992	71.0	0.013752
18	7	Computer	Science	1993	98.0	0.018981
18	8	Computer	Science	1994	114.0	0.022080
18	9	Computer	Science	1995	374.0	0.072439
19		Computer	Science	1996	349.0	0.067596
19		Computer	Science	1997	401.0	0.077668
19		Computer	Science	1998	420.0	0.081348
19		Computer	Science	1999	389.0	0.075344
19	4	Computer	Science	2000	451.0	0.087352
19	5	Computer	Science	2001	366.0	0.070889
19		Computer	Science	2002	882.0	0.170831
19		Computer	Science	2003	957.0	0.185357
20	15					

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	domain	Year	Count	domain_Score
99	Business	1963	0.0	0.000000
100	Business	1972	0.0	0.000000
101	Business	1973	0.0	0.000000
102	Business	1974	1.0	0.000953
103	Business	1975	1.0	0.000953
104	Business	1976	0.0	0.000000
105	Business	1977	0.0	0.000000
106	Business	1978	1.0	0.000953
107	Business	1979	2.0	0.001907
108	Business	1980	2.0	0.001907

109	Business	1981	2.0	0.001907
110	Business	1982	1.0	0.000953
111	Business	1983	1.0	0.000953
112	Business	1984	1.0	0.000953
113	Business	1985	1.0	0.000953
114	Business	1986	1.0	0.000953
115	Business	1987	1.0	0.000953
116	Business	1988	2.0	0.001907
117	Business	1989	4.0	0.003813
118	Business	1990	4.0	0.003813
119	Business	1991	12.0	0.011439
120	Business	1992	8.0	0.007626
121	Business	1993	14.0	0.013346
122	Business	1994	8.0	0.007626
123	Business	1995	28.0	0.026692
124	Business	1996	51.0	0.048618
125	Business	1997	42.0	0.040038
126	Business	1998	108.0	0.102955
127	Business	1999	88.0	0.083889
128	Business	2000	105.0	0.100095
129	Business	2001	98.0	0.093422
130	Business	2002	202.0	0.192564
131	Business	2003	260.0	0.247855
2015				

 ${\tt Business}$ 

		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752

187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	${\tt Computer}$	Science	1995	374.0	0.072439
190	${\tt Computer}$	Science	1996	349.0	0.067596
191	${\tt Computer}$	Science	1997	401.0	0.077668
192	${\tt Computer}$	Science	1998	420.0	0.081348
193	${\tt Computer}$	Science	1999	389.0	0.075344
194	${\tt Computer}$	Science	2000	451.0	0.087352
195	${\tt Computer}$	Science	2001	366.0	0.070889
196	${\tt Computer}$	Science	2002	882.0	0.170831
197	${\tt Computer}$	Science	2003	957.0	0.185357
2015					

2015									
Comp	Computer Science								
		domain	Year	Count	domain_Score				
198		Science	1963	0.0	0.000000				
199	Earth	Science	1972	0.0	0.000000				
200	Earth	Science	1973	1.0	0.001754				
201	Earth	Science	1974	6.0	0.010526				
202	Earth	Science	1975	0.0	0.000000				
203	Earth	Science	1976	0.0	0.000000				
204	Earth	Science	1977	3.0	0.005263				
205	Earth	Science	1978	2.0	0.003509				
206	Earth	Science	1979	2.0	0.003509				
207	Earth	Science	1980	4.0	0.007018				
208	Earth	Science	1981	3.0	0.005263				
209	Earth	Science	1982	0.0	0.000000				
210	Earth	Science	1983	0.0	0.000000				
211	Earth	Science	1984	5.0	0.008772				
212	Earth	Science	1985	4.0	0.007018				
213	Earth	Science	1986	3.0	0.005263				
214	Earth	Science	1987	8.0	0.014035				
215	Earth	Science	1988	8.0	0.014035				
216	Earth	Science	1989	4.0	0.007018				
217	Earth	Science	1990	14.0	0.024561				
218	Earth	Science	1991	5.0	0.008772				
219	Earth	Science	1992	9.0	0.015789				
220	Earth	Science	1993	17.0	0.029825				
221	Earth	Science	1994	9.0	0.015789				
222	Earth	Science	1995	23.0	0.040351				
223	Earth	Science	1996	28.0	0.049123				
224	Earth	Science	1997	41.0	0.071930				
225	Earth	Science	1998	35.0	0.061404				
226	Earth	Science	1999	27.0	0.047368				
227	Earth	Science	2000	23.0	0.040351				
228	Earth	Science	2001	27.0	0.047368				
229	Earth	Science	2002	105.0	0.184211				
230	Earth	Science	2003	154.0	0.270175				
2015									

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		domain	Year	Count	domain_Score
165	${\tt Computer}$	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	${\tt Computer}$	Science	1974	12.0	0.002324
169	${\tt Computer}$	Science	1975	1.0	0.000194
170	${\tt Computer}$	Science	1976	1.0	0.000194
171	${\tt Computer}$	Science	1977	1.0	0.000194
172	${\tt Computer}$	Science	1978	3.0	0.000581
173	${\tt Computer}$	Science	1979	3.0	0.000581
174	${\tt Computer}$	Science	1980	5.0	0.000968
175	${\tt Computer}$	Science	1981	6.0	0.001162
176	${\tt Computer}$	Science	1982	2.0	0.000387
177	${\tt Computer}$	Science	1983	12.0	0.002324
178	${\tt Computer}$	Science	1984	2.0	0.000387
179	${\tt Computer}$	Science	1985	11.0	0.002131
180	${\tt Computer}$	Science	1986	24.0	0.004648
181	${\tt Computer}$	Science	1987	20.0	0.003874
182	${\tt Computer}$	Science	1988	51.0	0.009878
183	${\tt Computer}$	Science	1989	29.0	0.005617
184	${\tt Computer}$	Science	1990	39.0	0.007554
185	${\tt Computer}$	Science	1991	62.0	0.012009
186	${\tt Computer}$	Science	1992	71.0	0.013752
187	${\tt Computer}$	Science	1993	98.0	0.018981
188	${\tt Computer}$	Science	1994	114.0	0.022080
189	${\tt Computer}$	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2015					

-				
	domain	Year	Count	domain_Score
330	History	1963	0.0	0.000000
331	History	1972	0.0	0.000000
332	History	1973	0.0	0.000000
333	History	1974	0.0	0.000000
334	History	1975	0.0	0.000000
335	History	1976	0.0	0.000000
336	History	1977	0.0	0.000000
337	History	1978	0.0	0.000000
338	History	1979	0.0	0.000000
339	History	1980	0.0	0.000000

340	History	1981	2.0	0.006944
341	History	1982	0.0	0.000000
342	History	1983	1.0	0.003472
343	History	1984	1.0	0.003472
344	History	1985	0.0	0.000000
345	History	1986	3.0	0.010417
346	History	1987	2.0	0.006944
347	History	1988	2.0	0.006944
348	History	1989	1.0	0.003472
349	History	1990	1.0	0.003472
350	History	1991	4.0	0.013889
351	History	1992	3.0	0.010417
352	History	1993	2.0	0.006944
353	History	1994	4.0	0.013889
354	History	1995	12.0	0.041667
355	History	1996	19.0	0.065972
356	History	1997	16.0	0.055556
357	History	1998	20.0	0.069444
358	History	1999	17.0	0.059028
359	History	2000	19.0	0.065972
360	History	2001	31.0	0.107639
361	History	2002	67.0	0.232639
362	History	2003	61.0	0.211806
2015				
Hist	ory			

		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752

187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2015					
Comp	uter Scie	nce			
		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.0001102
	-	Science	1983	12.0	0.000387
177	Computer				
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer		1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer		2002	882.0	0.170831
197	Computer		2002	957.0	0.185357
2016	compager	SOTOTICE	2000	551.0	3.100001

Computer S	Science
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Comp	uter Scie	nce			
		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer		1988	51.0	0.009878
183	Computer		1989	29.0	0.005617
184	Computer		1990	39.0	0.007554
185	Computer		1991	62.0	0.012009
186	Computer		1992	71.0	0.013752
187	Computer		1993	98.0	0.018981
188	Computer		1994	114.0	0.022080
189	Computer		1995	374.0	0.072439
190	Computer		1996	349.0	0.067596
191	Computer		1997	401.0	0.077668
192	Computer		1998	420.0	0.081348
193	Computer		1999	389.0	0.075344
194	Computer		2000	451.0	0.087352
195	-	Science	2001	366.0	0.070889
196	_	Science	2002	882.0	0.170831
197	-	Science		957.0	0.185357
2016	•				
Comp	uter Scie	nce			
•		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer		1972	5.0	0.000968
167	-	Science	1973	1.0	0.000194
168	-	Science	1974	12.0	0.002324
169	-	Science	1975	1.0	0.000194
170	Computer		1976	1.0	0.000194
171	-	Science	1977	1.0	0.000194
172	-	Science	1978	3.0	0.000581
173	-	Science	1979	3.0	0.000581
174	Computer		1980	5.0	0.000968
	-				

175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2016					
Comp	uter Scie	ice			
		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	4 ^	
168				1.0	0.000194
-00	Computer	Science	1974	1.0	0.000194 0.002324
169	Computer Computer				
	_	Science	1974	12.0	0.002324
169	Computer	Science Science	1974 1975	12.0 1.0	0.002324 0.000194
169 170	Computer Computer	Science Science Science Science	1974 1975 1976	12.0 1.0 1.0	0.002324 0.000194 0.000194
169 170 171	Computer Computer	Science Science Science Science Science	1974 1975 1976 1977	12.0 1.0 1.0 1.0	0.002324 0.000194 0.000194 0.000194
169 170 171 172	Computer Computer Computer	Science Science Science Science Science Science	1974 1975 1976 1977 1978	12.0 1.0 1.0 1.0 3.0	0.002324 0.000194 0.000194 0.000194 0.000581
169 170 171 172 173	Computer Computer Computer Computer	Science Science Science Science Science Science	1974 1975 1976 1977 1978 1979	12.0 1.0 1.0 1.0 3.0 3.0	0.002324 0.000194 0.000194 0.000194 0.000581
169 170 171 172 173 174	Computer Computer Computer Computer Computer Computer	Science Science Science Science Science Science	1974 1975 1976 1977 1978 1979	12.0 1.0 1.0 1.0 3.0 3.0 5.0	0.002324 0.000194 0.000194 0.000194 0.000581 0.000581
169 170 171 172 173 174 175	Computer Computer Computer Computer Computer Computer Computer Computer	Science Science Science Science Science Science Science	1974 1975 1976 1977 1978 1979 1980 1981	12.0 1.0 1.0 3.0 3.0 5.0 6.0	0.002324 0.000194 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162
169 170 171 172 173 174 175 176 177	Computer	Science Science Science Science Science Science Science Science Science Science	1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984	12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0	0.002324 0.000194 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387
169 170 171 172 173 174 175 176 177 178	Computer	Science Science Science Science Science Science Science Science Science	1974 1975 1976 1977 1978 1979 1980 1981 1982 1983	12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0	0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131
169 170 171 172 173 174 175 176 177 178 179	Computer	Science Science Science Science Science Science Science Science Science	1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984	12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0	0.002324 0.000194 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387
169 170 171 172 173 174 175 176 177 178	Computer	Science Science Science Science Science Science Science Science Science Science	1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985	12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0	0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131
169 170 171 172 173 174 175 176 177 178 179	Computer	Science	1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986	12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0	0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874 0.009878
169 170 171 172 173 174 175 176 177 178 179 180 181	Computer	Science	1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987	12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 11.0 24.0 20.0 51.0 29.0	0.002324 0.000194 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874
169 170 171 172 173 174 175 176 177 178 179 180 181 182	Computer	Science	1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987	12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0 20.0 51.0	0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874 0.009878
169 170 171 172 173 174 175 176 177 178 179 180 181 182 183	Computer	Science	1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988	12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 11.0 24.0 20.0 51.0 29.0 39.0 62.0	0.002324 0.000194 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874 0.009878 0.005617
169 170 171 172 173 174 175 176 177 178 179 180 181 182 183	Computer	Science	1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989	12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0 29.0 39.0	0.002324 0.000194 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874 0.009878 0.005617 0.007554

187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2016					

Comb	mrer peren	Ce		
	domain	Year	Count	domain_Score
594	Software	1963	0.0	0.000000
595	Software	1972	0.0	0.000000
596	Software	1973	0.0	0.000000
597	Software	1974	5.0	0.004955
598	Software	1975	1.0	0.000991
599	Software	1976	0.0	0.000000
600	Software	1977	1.0	0.000991
601	Software	1978	4.0	0.003964
602	Software	1979	2.0	0.001982
603	Software	1980	1.0	0.000991
604	Software	1981	1.0	0.000991
605	Software	1982	1.0	0.000991
606	Software	1983	0.0	0.000000
607	Software	1984	4.0	0.003964
608	Software	1985	1.0	0.000991
609	Software	1986	0.0	0.000000
610	Software	1987	4.0	0.003964
611	Software	1988	4.0	0.003964
612	Software	1989	3.0	0.002973
613	Software	1990	10.0	0.009911
614	Software	1991	14.0	0.013875
615	Software	1992	8.0	0.007929
616	Software	1993	18.0	0.017839
617	Software	1994	23.0	0.022795
618	Software	1995	50.0	0.049554
619	Software	1996	74.0	0.073340
620	Software	1997	69.0	0.068385
621	Software	1998	90.0	0.089197
622	Software	1999	94.0	0.093162
623	Software	2000	81.0	0.080278
624	Software	2001	76.0	0.075322
625	Software	2002	179.0	0.177403
626	Software	2003	191.0	0.189296
2016				

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				W		

Soft	ware				
		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer		2002	882.0	0.170831
197	Computer		2003	957.0	0.185357
2016	•				
Comp	uter Scie	nce			
•		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer		1972	5.0	0.000968
167	Computer		1973	1.0	0.000194
168	Computer		1974	12.0	0.002324
169	Computer		1975	1.0	0.000194
170	Computer		1976	1.0	0.000194
171	Computer		1977	1.0	0.000194
172	Computer		1978	3.0	0.000581
173	Computer		1979	3.0	0.000581
174	Computer		1980	5.0	0.000968
	-				

175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2016					
Comp	uter Scie	nce			
		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	10 0	0 000004
169	C		1011	12.0	0.002324
170	Computer	Science	1975	1.0	0.002324
170	Computer	Science Science			
171	-	Science	1975	1.0	0.000194
	Computer	Science Science	1975 1976	1.0	0.000194 0.000194
171	Computer Computer	Science Science Science	1975 1976 1977	1.0 1.0 1.0	0.000194 0.000194 0.000194
171 172	Computer Computer	Science Science Science Science	1975 1976 1977 1978	1.0 1.0 1.0 3.0	0.000194 0.000194 0.000194 0.000581
171 172 173	Computer Computer Computer	Science Science Science Science Science	1975 1976 1977 1978 1979	1.0 1.0 1.0 3.0 3.0	0.000194 0.000194 0.000194 0.000581
171 172 173 174	Computer Computer Computer Computer	Science Science Science Science Science Science	1975 1976 1977 1978 1979 1980	1.0 1.0 1.0 3.0 3.0 5.0	0.000194 0.000194 0.000194 0.000581 0.000581
171 172 173 174 175	Computer Computer Computer Computer Computer Computer	Science Science Science Science Science Science	1975 1976 1977 1978 1979 1980 1981	1.0 1.0 1.0 3.0 3.0 5.0 6.0	0.000194 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162
171 172 173 174 175 176	Computer Computer Computer Computer Computer Computer Computer Computer	Science Science Science Science Science Science	1975 1976 1977 1978 1979 1980 1981 1982	1.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0	0.000194 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387
171 172 173 174 175 176 177	Computer Computer Computer Computer Computer Computer Computer Computer Computer	Science Science Science Science Science Science Science Science	1975 1976 1977 1978 1979 1980 1981 1982 1983	1.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0	0.000194 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324
171 172 173 174 175 176 177	Computer	Science Science Science Science Science Science Science Science Science	1975 1976 1977 1978 1979 1980 1981 1982 1983 1984	1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0	0.000194 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387
171 172 173 174 175 176 177 178	Computer	Science Science Science Science Science Science Science Science Science	1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985	1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0	0.000194 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131
171 172 173 174 175 176 177 178 179	Computer	Science Science Science Science Science Science Science Science Science Science	1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986	1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0 20.0 51.0	0.000194 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131
171 172 173 174 175 176 177 178 179 180 181	Computer	Science	1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987	1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0	0.000194 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874
171 172 173 174 175 176 177 178 179 180 181	Computer	Science	1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988	1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0 20.0 51.0	0.000194 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874 0.009878
171 172 173 174 175 176 177 178 179 180 181 182 183 184	Computer	Science	1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988	1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0 29.0 39.0 62.0	0.000194 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874 0.009878 0.005617 0.007554 0.012009
171 172 173 174 175 176 177 178 179 180 181 182 183	Computer	Science	1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989	1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0 29.0 39.0	0.000194 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874 0.009878 0.005617 0.007554

187	Computer	Science	1993	98.0	0.018981
188	${\tt Computer}$	Science	1994	114.0	0.022080
189	${\tt Computer}$	Science	1995	374.0	0.072439
190	${\tt Computer}$	Science	1996	349.0	0.067596
191	${\tt Computer}$	Science	1997	401.0	0.077668
192	${\tt Computer}$	Science	1998	420.0	0.081348
193	${\tt Computer}$	Science	1999	389.0	0.075344
194	${\tt Computer}$	Science	2000	451.0	0.087352
195	${\tt Computer}$	Science	2001	366.0	0.070889
196	${\tt Computer}$	Science	2002	882.0	0.170831
197	${\tt Computer}$	Science	2003	957.0	0.185357
2016					

201	6				
Com	puter Scien	ce			
		domain	Year	Count	domain_Score
66	Biomedical	Research	1963	0.0	0.000000
67	Biomedical	Research	1972	0.0	0.000000
68	Biomedical	Research	1973	0.0	0.000000
69	Biomedical	Research	1974	2.0	0.009050
70	Biomedical	Research	1975	0.0	0.000000
71	Biomedical	Research	1976	0.0	0.000000
72	Biomedical	Research	1977	1.0	0.004525
73	Biomedical	Research	1978	2.0	0.009050
74	Biomedical	Research	1979	5.0	0.022624
75	Biomedical	Research	1980	1.0	0.004525
76	Biomedical	Research	1981	3.0	0.013575
77	Biomedical	Research	1982	1.0	0.004525
78	Biomedical	Research	1983	1.0	0.004525
79	Biomedical	Research	1984	7.0	0.031674
80	Biomedical	Research	1985	1.0	0.004525
81	Biomedical	Research	1986	4.0	0.018100
82	Biomedical	Research	1987	2.0	0.009050
83	Biomedical	Research	1988	3.0	0.013575
84	Biomedical	Research	1989	2.0	0.009050
85	Biomedical	Research	1990	5.0	0.022624
86	Biomedical	Research	1991	4.0	0.018100
87	Biomedical	Research	1992	4.0	0.018100
88	Biomedical	Research	1993	8.0	0.036199
89	Biomedical	Research	1994	3.0	0.013575
90	Biomedical	Research	1995	12.0	0.054299
91	Biomedical	Research	1996	12.0	0.054299
92	Biomedical	Research	1997	11.0	0.049774
93	Biomedical	Research	1998	11.0	0.049774
94	Biomedical	Research	1999	9.0	0.040724
95	Biomedical	Research	2000	14.0	0.063348
96	Biomedical	Research	2001	15.0	0.067873
97	Biomedical	Research	2002	48.0	0.217195
98	Biomedical	Research	2003	30.0	0.135747
201	6				

Biomedical	Research

165			domain	Year	Count	domain_Score
167         Computer Science         1973         1.0         0.000194           168         Computer Science         1974         12.0         0.002324           169         Computer Science         1975         1.0         0.000194           170         Computer Science         1977         1.0         0.000194           171         Computer Science         1977         1.0         0.000194           172         Computer Science         1978         3.0         0.000581           173         Computer Science         1980         5.0         0.000988           175         Computer Science         1981         6.0         0.000162           176         Computer Science         1983         12.0         0.000387           177         Computer Science         1983         12.0         0.00387           178         Computer Science         1984         2.0         0.00387           179         Computer Science         1985         11.0         0.002324           178         Computer Science         1985         11.0         0.002324           178         Computer Science         1985         11.0         0.003874           180	165	Computer	Science	1963	1.0	_
168         Computer Science         1974         12.0         0.002324           169         Computer Science         1975         1.0         0.000194           170         Computer Science         1976         1.0         0.000194           171         Computer Science         1977         1.0         0.000194           172         Computer Science         1978         3.0         0.000581           173         Computer Science         1980         5.0         0.000968           174         Computer Science         1981         6.0         0.001162           176         Computer Science         1981         6.0         0.000387           177         Computer Science         1983         12.0         0.002324           178         Computer Science         1984         2.0         0.00387           179         Computer Science         1985         11.0         0.002131           180         Computer Science         1985         11.0         0.00234           181         Computer Science         1985         11.0         0.00387           182         Computer Science         1985         51.0         0.00387           183         <	166	Computer	Science	1972	5.0	0.000968
169	167	Computer	Science	1973	1.0	0.000194
170         Computer Science         1976         1.0         0.000194           171         Computer Science         1977         1.0         0.000194           172         Computer Science         1978         3.0         0.000581           173         Computer Science         1980         5.0         0.000968           175         Computer Science         1981         6.0         0.001162           176         Computer Science         1982         2.0         0.000387           177         Computer Science         1983         12.0         0.002324           178         Computer Science         1984         2.0         0.000387           179         Computer Science         1985         11.0         0.002131           180         Computer Science         1986         24.0         0.004648           181         Computer Science         1987         20.0         0.00387           182         Computer Science         1983         51.0         0.009878           183         Computer Science         1989         29.0         0.005617           184         Computer Science         1999         39.0         0.007554           185	168	Computer	Science	1974	12.0	0.002324
171         Computer Science         1977         1.0         0.000194           172         Computer Science         1978         3.0         0.000581           173         Computer Science         1979         3.0         0.000581           174         Computer Science         1980         5.0         0.000968           175         Computer Science         1981         6.0         0.001162           176         Computer Science         1982         2.0         0.000387           177         Computer Science         1983         12.0         0.002324           178         Computer Science         1984         2.0         0.00387           179         Computer Science         1985         11.0         0.002131           180         Computer Science         1987         20.0         0.004648           181         Computer Science         1988         51.0         0.009878           182         Computer Science         1988         51.0         0.009878           183         Computer Science         1990         39.0         0.007554           185         Computer Science         1991         62.0         0.01209           186	169	Computer	Science	1975	1.0	0.000194
172         Computer         Science         1978         3.0         0.000581           173         Computer         Science         1979         3.0         0.000581           174         Computer         Science         1980         5.0         0.000968           175         Computer         Science         1981         6.0         0.001162           176         Computer         Science         1983         12.0         0.002324           178         Computer         Science         1984         2.0         0.00387           179         Computer         Science         1985         11.0         0.002131           180         Computer         Science         1986         24.0         0.004648           181         Computer         Science         1987         20.0         0.003874           182         Computer         Science         1987         20.0         0.003874           182         Computer         Science         1989         29.0         0.005617           184         Computer         Science         1990         39.0         0.007554           185         Computer         Science         1991         62.	170	Computer	Science	1976	1.0	0.000194
173         Computer Science         1979         3.0         0.000581           174         Computer Science         1980         5.0         0.000968           175         Computer Science         1981         6.0         0.001162           176         Computer Science         1982         2.0         0.000387           177         Computer Science         1983         12.0         0.002324           178         Computer Science         1984         2.0         0.000387           179         Computer Science         1985         11.0         0.002131           180         Computer Science         1986         24.0         0.004648           181         Computer Science         1987         20.0         0.003874           182         Computer Science         1988         51.0         0.009878           183         Computer Science         1999         29.0         0.005617           184         Computer Science         1999         39.0         0.007554           185         Computer Science         1991         62.0         0.012009           186         Computer Science         1992         71.0         0.013752           187	171	Computer	Science	1977	1.0	0.000194
174         Computer         Science         1980         5.0         0.000968           175         Computer         Science         1981         6.0         0.001162           176         Computer         Science         1982         2.0         0.000387           177         Computer         Science         1984         2.0         0.000387           179         Computer         Science         1985         11.0         0.002131           180         Computer         Science         1986         24.0         0.004648           181         Computer         Science         1987         20.0         0.003874           182         Computer         Science         1988         51.0         0.009878           183         Computer         Science         1989         29.0         0.005617           184         Computer         Science         1990         39.0         0.007554           185         Computer         Science         1991         62.0         0.012009           186         Computer         Science         1992         71.0         0.013752           187         Computer         Science         1993         9	172	Computer	Science	1978	3.0	0.000581
175         Computer         Science         1981         6.0         0.001162           176         Computer         Science         1982         2.0         0.000387           177         Computer         Science         1983         12.0         0.002324           178         Computer         Science         1984         2.0         0.000387           179         Computer         Science         1986         24.0         0.004648           181         Computer         Science         1986         24.0         0.004648           181         Computer         Science         1987         20.0         0.003874           182         Computer         Science         1988         51.0         0.009878           183         Computer         Science         1990         39.0         0.005617           184         Computer         Science         1991         62.0         0.012009           185         Computer         Science         1991         62.0         0.012009           186         Computer         Science         1992         71.0         0.013752           187         Computer         Science         1993	173	Computer	Science	1979	3.0	0.000581
176         Computer Science         1982         2.0         0.000387           177         Computer Science         1983         12.0         0.002324           178         Computer Science         1984         2.0         0.000387           179         Computer Science         1985         11.0         0.002131           180         Computer Science         1986         24.0         0.004648           181         Computer Science         1987         20.0         0.003874           182         Computer Science         1988         51.0         0.009878           183         Computer Science         1999         39.0         0.005617           184         Computer Science         1990         39.0         0.007554           185         Computer Science         1991         62.0         0.012009           186         Computer Science         1992         71.0         0.013752           187         Computer Science         1993         98.0         0.018981           188         Computer Science         1994         114.0         0.022080           189         Computer Science         1994         349.0         0.067596           191 <td>174</td> <td>Computer</td> <td>Science</td> <td>1980</td> <td>5.0</td> <td>0.000968</td>	174	Computer	Science	1980	5.0	0.000968
177         Computer Science         1983         12.0         0.002324           178         Computer Science         1984         2.0         0.000387           179         Computer Science         1985         11.0         0.002131           180         Computer Science         1986         24.0         0.004648           181         Computer Science         1987         20.0         0.003874           182         Computer Science         1988         51.0         0.009878           183         Computer Science         1999         39.0         0.005617           184         Computer Science         1990         39.0         0.007554           185         Computer Science         1991         62.0         0.012009           186         Computer Science         1992         71.0         0.013752           187         Computer Science         1993         98.0         0.018981           188         Computer Science         1994         114.0         0.022080           189         Computer Science         1995         374.0         0.072439           190         Computer Science         1997         401.0         0.077668           192 </td <td>175</td> <td>Computer</td> <td>Science</td> <td>1981</td> <td>6.0</td> <td>0.001162</td>	175	Computer	Science	1981	6.0	0.001162
178         Computer Science         1984         2.0         0.000387           179         Computer Science         1985         11.0         0.002131           180         Computer Science         1986         24.0         0.004648           181         Computer Science         1987         20.0         0.003874           182         Computer Science         1988         51.0         0.009878           183         Computer Science         1999         29.0         0.005617           184         Computer Science         1990         39.0         0.007554           185         Computer Science         1991         62.0         0.012009           186         Computer Science         1992         71.0         0.013752           187         Computer Science         1993         98.0         0.018981           188         Computer Science         1994         114.0         0.022080           189         Computer Science         1995         374.0         0.072439           190         Computer Science         1996         349.0         0.067596           191         Computer Science         1997         401.0         0.077668           192<	176	Computer	Science	1982	2.0	0.000387
179         Computer Science         1985         11.0         0.002131           180         Computer Science         1986         24.0         0.004648           181         Computer Science         1987         20.0         0.003874           182         Computer Science         1988         51.0         0.009878           183         Computer Science         1999         29.0         0.005617           184         Computer Science         1990         39.0         0.007554           185         Computer Science         1991         62.0         0.012009           186         Computer Science         1992         71.0         0.013752           187         Computer Science         1993         98.0         0.018981           188         Computer Science         1994         114.0         0.022080           189         Computer Science         1995         374.0         0.072439           190         Computer Science         1996         349.0         0.067596           191         Computer Science         1997         401.0         0.077668           192         Computer Science         1998         420.0         0.081348           19	177	Computer	Science	1983	12.0	0.002324
180         Computer Science         1986         24.0         0.004648           181         Computer Science         1987         20.0         0.003874           182         Computer Science         1988         51.0         0.009878           183         Computer Science         1990         39.0         0.005617           184         Computer Science         1990         39.0         0.007554           185         Computer Science         1991         62.0         0.012009           186         Computer Science         1992         71.0         0.013752           187         Computer Science         1993         98.0         0.018981           188         Computer Science         1994         114.0         0.022080           189         Computer Science         1995         374.0         0.072439           190         Computer Science         1996         349.0         0.067596           191         Computer Science         1997         401.0         0.077668           192         Computer Science         1998         420.0         0.081348           193         Computer Science         2000         451.0         0.087352           1	178	Computer	Science	1984	2.0	0.000387
181 Computer Science 1987 20.0 0.003874 182 Computer Science 1988 51.0 0.009878 183 Computer Science 1989 29.0 0.005617 184 Computer Science 1990 39.0 0.007554 185 Computer Science 1991 62.0 0.012009 186 Computer Science 1992 71.0 0.013752 187 Computer Science 1993 98.0 0.018981 188 Computer Science 1994 114.0 0.022080 189 Computer Science 1995 374.0 0.072439 190 Computer Science 1996 349.0 0.067596 191 Computer Science 1997 401.0 0.077668 192 Computer Science 1998 420.0 0.081348 193 Computer Science 1999 389.0 0.075344 194 Computer Science 2000 451.0 0.087352 195 Computer Science 2001 366.0 0.070889 196 Computer Science 2002 882.0 0.170831 197 Computer Science 2003 957.0 0.185357 2016 Computer Science 1963 1.0 0.000194 166 Computer Science 1972 5.0 0.000968 167 Computer Science 1973 1.0 0.000194 168 Computer Science 1973 1.0 0.000194 169 Computer Science 1974 12.0 0.002324 169 Computer Science 1975 1.0 0.000194 170 Computer Science 1976 1.0 0.000194 171 Computer Science 1977 1.0 0.000194 172 Computer Science 1977 1.0 0.000194 173 Computer Science 1978 3.0 0.000581 173 Computer Science 1978 3.0 0.000581	179	Computer	Science	1985	11.0	0.002131
182         Computer Science         1988         51.0         0.009878           183         Computer Science         1989         29.0         0.005617           184         Computer Science         1990         39.0         0.007554           185         Computer Science         1991         62.0         0.012009           186         Computer Science         1992         71.0         0.013752           187         Computer Science         1993         98.0         0.018981           188         Computer Science         1994         114.0         0.022080           189         Computer Science         1995         374.0         0.072439           190         Computer Science         1996         349.0         0.067596           191         Computer Science         1997         401.0         0.077668           192         Computer Science         1993         389.0         0.075344           194         Computer Science         2000         451.0         0.087352           195         Computer Science         2001         366.0         0.070889           196         Computer Science         2003         957.0         0.185357 <td< td=""><td>180</td><td>Computer</td><td>Science</td><td>1986</td><td>24.0</td><td>0.004648</td></td<>	180	Computer	Science	1986	24.0	0.004648
183         Computer         Science         1989         29.0         0.005617           184         Computer         Science         1990         39.0         0.007554           185         Computer         Science         1991         62.0         0.012009           186         Computer         Science         1992         71.0         0.013752           187         Computer         Science         1993         98.0         0.018981           188         Computer         Science         1994         114.0         0.022080           189         Computer         Science         1995         374.0         0.072439           190         Computer         Science         1996         349.0         0.067596           191         Computer         Science         1997         401.0         0.077668           192         Computer         Science         1993         389.0         0.075344           194         Computer         Science         2000         451.0         0.087352           195         Computer         Science         2001         366.0         0.070889           196         Computer         Science         2003	181	Computer	Science	1987	20.0	0.003874
184         Computer Science         1990         39.0         0.007554           185         Computer Science         1991         62.0         0.012009           186         Computer Science         1992         71.0         0.013752           187         Computer Science         1993         98.0         0.018981           188         Computer Science         1994         114.0         0.022080           189         Computer Science         1995         374.0         0.072439           190         Computer Science         1996         349.0         0.067596           191         Computer Science         1997         401.0         0.077668           192         Computer Science         1998         420.0         0.081348           193         Computer Science         1999         389.0         0.075344           194         Computer Science         2001         366.0         0.070889           195         Computer Science         2002         882.0         0.170831           197         Computer Science         2003         957.0         0.185357           2016         Computer Science         1963         1.0         0.000194 <tr< td=""><td>182</td><td>Computer</td><td>Science</td><td>1988</td><td>51.0</td><td>0.009878</td></tr<>	182	Computer	Science	1988	51.0	0.009878
185         Computer Science         1991         62.0         0.012009           186         Computer Science         1992         71.0         0.013752           187         Computer Science         1993         98.0         0.018981           188         Computer Science         1994         114.0         0.022080           189         Computer Science         1995         374.0         0.072439           190         Computer Science         1996         349.0         0.067596           191         Computer Science         1997         401.0         0.077668           192         Computer Science         1998         420.0         0.081348           193         Computer Science         1999         389.0         0.075344           194         Computer Science         2000         451.0         0.087352           195         Computer Science         2001         366.0         0.070889           196         Computer Science         2002         882.0         0.170831           197         Computer Science         2003         957.0         0.185357           2016         Computer Science           Computer Science         1963 <t< td=""><td>183</td><td>Computer</td><td>Science</td><td>1989</td><td>29.0</td><td>0.005617</td></t<>	183	Computer	Science	1989	29.0	0.005617
186         Computer Science         1992         71.0         0.013752           187         Computer Science         1993         98.0         0.018981           188         Computer Science         1994         114.0         0.022080           189         Computer Science         1995         374.0         0.072439           190         Computer Science         1996         349.0         0.067596           191         Computer Science         1997         401.0         0.077668           192         Computer Science         1998         420.0         0.081348           193         Computer Science         1999         389.0         0.075344           194         Computer Science         2000         451.0         0.087352           195         Computer Science         2001         366.0         0.070889           196         Computer Science         2002         882.0         0.170831           197         Computer Science         2003         957.0         0.185357           2016         Computer Science         1963         1.0         0.000194           166         Computer Science         1972         5.0         0.000968 <tr< td=""><td>184</td><td>Computer</td><td>Science</td><td>1990</td><td>39.0</td><td>0.007554</td></tr<>	184	Computer	Science	1990	39.0	0.007554
187         Computer Science         1993         98.0         0.018981           188         Computer Science         1994         114.0         0.022080           189         Computer Science         1995         374.0         0.072439           190         Computer Science         1996         349.0         0.067596           191         Computer Science         1997         401.0         0.077668           192         Computer Science         1998         420.0         0.081348           193         Computer Science         2000         451.0         0.087352           195         Computer Science         2001         366.0         0.070889           196         Computer Science         2002         882.0         0.170831           197         Computer Science         2003         957.0         0.185357           2016         Computer Science           domain Year Count domain_Score           165         Computer Science         1963         1.0         0.000194           166         Computer Science         1972         5.0         0.000968           167         Computer Science         1974         12.0         0.002324	185	Computer	Science	1991	62.0	0.012009
188         Computer Science         1994         114.0         0.022080           189         Computer Science         1995         374.0         0.072439           190         Computer Science         1996         349.0         0.067596           191         Computer Science         1997         401.0         0.077668           192         Computer Science         1998         420.0         0.081348           193         Computer Science         2000         451.0         0.087352           195         Computer Science         2001         366.0         0.070889           196         Computer Science         2002         882.0         0.170831           197         Computer Science         2003         957.0         0.185357           2016         Computer Science           Computer Science         1963         1.0         0.000194           166         Computer Science         1972         5.0         0.000194           168         Computer Science         1973         1.0         0.000194           168         Computer Science         1974         12.0         0.002324           169         Computer Science         1975         1.	186	Computer	Science	1992	71.0	0.013752
189         Computer Science         1995         374.0         0.072439           190         Computer Science         1996         349.0         0.067596           191         Computer Science         1997         401.0         0.077668           192         Computer Science         1998         420.0         0.081348           193         Computer Science         1999         389.0         0.075344           194         Computer Science         2000         451.0         0.087352           195         Computer Science         2001         366.0         0.070889           196         Computer Science         2002         882.0         0.170831           197         Computer Science         2003         957.0         0.185357           2016         Computer Science           Computer Science         1963         1.0         0.000194           166         Computer Science         1972         5.0         0.000968           167         Computer Science         1973         1.0         0.000194           168         Computer Science         1975         1.0         0.000194           170         Computer Science         1976	187	Computer	Science	1993	98.0	0.018981
190 Computer Science 1996 349.0 0.067596 191 Computer Science 1997 401.0 0.077668 192 Computer Science 1998 420.0 0.081348 193 Computer Science 1999 389.0 0.075344 194 Computer Science 2000 451.0 0.087352 195 Computer Science 2001 366.0 0.070889 196 Computer Science 2002 882.0 0.170831 197 Computer Science 2003 957.0 0.185357 2016 Computer Science  domain Year Count domain_Score 165 Computer Science 1963 1.0 0.000194 166 Computer Science 1972 5.0 0.000968 167 Computer Science 1973 1.0 0.000194 168 Computer Science 1974 12.0 0.002324 169 Computer Science 1975 1.0 0.000194 170 Computer Science 1976 1.0 0.000194 171 Computer Science 1977 1.0 0.000194 172 Computer Science 1977 1.0 0.000194 173 Computer Science 1978 3.0 0.000581 173 Computer Science 1979 3.0 0.000581	188	Computer	Science	1994	114.0	0.022080
191 Computer Science 1997 401.0 0.077668 192 Computer Science 1998 420.0 0.081348 193 Computer Science 1999 389.0 0.075344 194 Computer Science 2000 451.0 0.087352 195 Computer Science 2001 366.0 0.070889 196 Computer Science 2002 882.0 0.170831 197 Computer Science 2003 957.0 0.185357 2016  Computer Science  domain Year Count domain_Score 165 Computer Science 1963 1.0 0.000194 166 Computer Science 1972 5.0 0.000968 167 Computer Science 1973 1.0 0.000194 168 Computer Science 1974 12.0 0.002324 169 Computer Science 1975 1.0 0.000194 170 Computer Science 1976 1.0 0.000194 171 Computer Science 1977 1.0 0.000194 172 Computer Science 1977 1.0 0.000194 173 Computer Science 1978 3.0 0.000581 173 Computer Science 1979 3.0 0.000581	189	Computer	Science	1995	374.0	0.072439
192 Computer Science 1998 420.0 0.081348 193 Computer Science 1999 389.0 0.075344 194 Computer Science 2000 451.0 0.087352 195 Computer Science 2001 366.0 0.070889 196 Computer Science 2002 882.0 0.170831 197 Computer Science 2003 957.0 0.185357 2016  Computer Science 40main Year Count domain_Score 165 Computer Science 1963 1.0 0.000194 166 Computer Science 1972 5.0 0.000968 167 Computer Science 1973 1.0 0.000194 168 Computer Science 1974 12.0 0.002324 169 Computer Science 1975 1.0 0.000194 170 Computer Science 1976 1.0 0.000194 171 Computer Science 1977 1.0 0.000194 172 Computer Science 1978 3.0 0.000581 173 Computer Science 1979 3.0 0.000581	190	Computer	Science	1996	349.0	0.067596
193 Computer Science 1999 389.0 0.075344 194 Computer Science 2000 451.0 0.087352 195 Computer Science 2001 366.0 0.070889 196 Computer Science 2002 882.0 0.170831 197 Computer Science 2003 957.0 0.185357 2016  Computer Science 40main 4 Year 4 Count 40main_Score 165 Computer Science 1963 1.0 0.000194 166 Computer Science 1972 5.0 0.000968 167 Computer Science 1973 1.0 0.000194 168 Computer Science 1974 12.0 0.002324 169 Computer Science 1975 1.0 0.000194 170 Computer Science 1976 1.0 0.000194 171 Computer Science 1977 1.0 0.000194 172 Computer Science 1978 3.0 0.000581 173 Computer Science 1979 3.0 0.000581	191	Computer	Science	1997	401.0	0.077668
194 Computer Science 2000 451.0 0.087352 195 Computer Science 2001 366.0 0.070889 196 Computer Science 2002 882.0 0.170831 197 Computer Science 2003 957.0 0.185357 2016  Computer Science  domain Year Count domain_Score 165 Computer Science 1963 1.0 0.000194 166 Computer Science 1972 5.0 0.000968 167 Computer Science 1973 1.0 0.000194 168 Computer Science 1974 12.0 0.002324 169 Computer Science 1975 1.0 0.000194 170 Computer Science 1976 1.0 0.000194 171 Computer Science 1977 1.0 0.000194 172 Computer Science 1978 3.0 0.000581 173 Computer Science 1979 3.0 0.000581		Computer	Science	1998	420.0	0.081348
195 Computer Science 2001 366.0 0.070889 196 Computer Science 2002 882.0 0.170831 197 Computer Science 2003 957.0 0.185357 2016  Computer Science  domain Year Count domain_Score 165 Computer Science 1963 1.0 0.000194 166 Computer Science 1972 5.0 0.000968 167 Computer Science 1973 1.0 0.000194 168 Computer Science 1974 12.0 0.002324 169 Computer Science 1975 1.0 0.000194 170 Computer Science 1976 1.0 0.000194 171 Computer Science 1977 1.0 0.000194 172 Computer Science 1978 3.0 0.000581 173 Computer Science 1979 3.0 0.000581	193	Computer	Science	1999	389.0	0.075344
196 Computer Science 2002 882.0 0.170831 197 Computer Science 2003 957.0 0.185357 2016  Computer Science	194	Computer	Science	2000	451.0	0.087352
197 Computer Science 2003 957.0 0.185357 2016  Computer Science  domain Year Count domain_Score 165 Computer Science 1963 1.0 0.000194 166 Computer Science 1972 5.0 0.000968 167 Computer Science 1973 1.0 0.000194 168 Computer Science 1974 12.0 0.002324 169 Computer Science 1975 1.0 0.000194 170 Computer Science 1976 1.0 0.000194 171 Computer Science 1977 1.0 0.000194 172 Computer Science 1978 3.0 0.000581 173 Computer Science 1979 3.0 0.000581	195	Computer	Science	2001	366.0	0.070889
2016         Computer Science         domain       Year       Count       domain_Score         165       Computer Science       1963       1.0       0.000194         166       Computer Science       1972       5.0       0.000968         167       Computer Science       1973       1.0       0.000194         168       Computer Science       1974       12.0       0.002324         169       Computer Science       1975       1.0       0.000194         170       Computer Science       1976       1.0       0.000194         171       Computer Science       1977       1.0       0.000194         172       Computer Science       1978       3.0       0.000581         173       Computer Science       1979       3.0       0.000581	196	Computer	Science	2002	882.0	0.170831
Computer Science           domain         Year         Count         domain_Score           165         Computer Science         1963         1.0         0.000194           166         Computer Science         1972         5.0         0.000968           167         Computer Science         1973         1.0         0.000194           168         Computer Science         1974         12.0         0.002324           169         Computer Science         1975         1.0         0.000194           170         Computer Science         1976         1.0         0.000194           171         Computer Science         1977         1.0         0.000194           172         Computer Science         1978         3.0         0.000581           173         Computer Science         1979         3.0         0.000581		Computer	Science	2003	957.0	0.185357
domain         Year         Count         domain_Score           165         Computer Science         1963         1.0         0.000194           166         Computer Science         1972         5.0         0.000968           167         Computer Science         1973         1.0         0.000194           168         Computer Science         1974         12.0         0.002324           169         Computer Science         1975         1.0         0.000194           170         Computer Science         1976         1.0         0.000194           171         Computer Science         1977         1.0         0.000194           172         Computer Science         1978         3.0         0.000581           173         Computer Science         1979         3.0         0.000581						
165       Computer Science       1963       1.0       0.000194         166       Computer Science       1972       5.0       0.000968         167       Computer Science       1973       1.0       0.000194         168       Computer Science       1974       12.0       0.002324         169       Computer Science       1975       1.0       0.000194         170       Computer Science       1976       1.0       0.000194         171       Computer Science       1977       1.0       0.000194         172       Computer Science       1978       3.0       0.000581         173       Computer Science       1979       3.0       0.000581	Comp	uter Scier	ice			
166       Computer Science       1972       5.0       0.000968         167       Computer Science       1973       1.0       0.000194         168       Computer Science       1974       12.0       0.002324         169       Computer Science       1975       1.0       0.000194         170       Computer Science       1976       1.0       0.000194         171       Computer Science       1977       1.0       0.000194         172       Computer Science       1978       3.0       0.000581         173       Computer Science       1979       3.0       0.000581		_				<del>-</del>
167       Computer Science       1973       1.0       0.000194         168       Computer Science       1974       12.0       0.002324         169       Computer Science       1975       1.0       0.000194         170       Computer Science       1976       1.0       0.000194         171       Computer Science       1977       1.0       0.000194         172       Computer Science       1978       3.0       0.000581         173       Computer Science       1979       3.0       0.000581		_				
168       Computer Science       1974       12.0       0.002324         169       Computer Science       1975       1.0       0.000194         170       Computer Science       1976       1.0       0.000194         171       Computer Science       1977       1.0       0.000194         172       Computer Science       1978       3.0       0.000581         173       Computer Science       1979       3.0       0.000581		-				
169       Computer Science       1975       1.0       0.000194         170       Computer Science       1976       1.0       0.000194         171       Computer Science       1977       1.0       0.000194         172       Computer Science       1978       3.0       0.000581         173       Computer Science       1979       3.0       0.000581		-				
170       Computer Science       1976       1.0       0.000194         171       Computer Science       1977       1.0       0.000194         172       Computer Science       1978       3.0       0.000581         173       Computer Science       1979       3.0       0.000581		-				
171       Computer Science       1977       1.0       0.000194         172       Computer Science       1978       3.0       0.000581         173       Computer Science       1979       3.0       0.000581		-				
172 Computer Science       1978       3.0       0.000581         173 Computer Science       1979       3.0       0.000581		-				
173 Computer Science 1979 3.0 0.000581		-				
•		-				
1/4 Computer Science 1980 5.0 0.000968		-				
	1/4	Computer	Science	1980	5.0	0.000968

nce 1981	6.0	0.001162
nce 1982	2.0	0.000387
nce 1983	12.0	0.002324
nce 1984	2.0	0.000387
nce 1985	11.0	0.002131
nce 1986	24.0	0.004648
nce 1987	20.0	0.003874
nce 1988	51.0	0.009878
nce 1989	29.0	0.005617
nce 1990	39.0	0.007554
nce 1991	62.0	0.012009
nce 1992	71.0	0.013752
nce 1993	98.0	0.018981
nce 1994	114.0	0.022080
nce 1995	374.0	0.072439
nce 1996	349.0	0.067596
nce 1997	401.0	0.077668
nce 1998	420.0	0.081348
nce 1999	389.0	0.075344
nce 2000	451.0	0.087352
nce 2001	366.0	0.070889
nce 2002	882.0	0.170831
nce 2003	957.0	0.185357
	nce 1982 nce 1983 nce 1984 nce 1985 nce 1986 nce 1987 nce 1988 nce 1990 nce 1991 nce 1992 nce 1993 nce 1995 nce 1996 nce 1997 nce 1998 nce 1999 nce 2000 nce 2001 nce 2002	nce 1982 2.0 nce 1983 12.0 nce 1984 2.0 nce 1985 11.0 nce 1986 24.0 nce 1987 20.0 nce 1988 51.0 nce 1989 29.0 nce 1990 39.0 nce 1991 62.0 nce 1992 71.0 nce 1993 98.0 nce 1994 114.0 nce 1995 374.0 nce 1996 349.0 nce 1997 401.0 nce 1998 420.0 nce 1999 389.0 nce 2000 451.0 nce 2001 366.0 nce 2002 882.0

	domain	Year	Count	domain_Score
99	Business	1963	0.0	0.000000
100	Business	1972	0.0	0.000000
101	Business	1973	0.0	0.000000
102	Business	1974	1.0	0.000953
103	Business	1975	1.0	0.000953
104	Business	1976	0.0	0.000000
105	Business	1977	0.0	0.000000
106	Business	1978	1.0	0.000953
107	Business	1979	2.0	0.001907
108	Business	1980	2.0	0.001907
109	Business	1981	2.0	0.001907
110	Business	1982	1.0	0.000953
111	Business	1983	1.0	0.000953
112	Business	1984	1.0	0.000953
113	Business	1985	1.0	0.000953
114	Business	1986	1.0	0.000953
115	Business	1987	1.0	0.000953
116	Business	1988	2.0	0.001907
117	Business	1989	4.0	0.003813
118	Business	1990	4.0	0.003813
119	Business	1991	12.0	0.011439
120	Business	1992	8.0	0.007626

404	<b>-</b> .	4000		0.040040
121	Business	1993	14.0	0.013346
122	Business	1994	8.0	0.007626
123	Business	1995	28.0	0.026692
124	Business	1996	51.0	0.048618
125	Business	1997	42.0	0.040038
126	Business	1998	108.0	0.102955
127	Business	1999	88.0	0.083889
128	Business	2000	105.0	0.100095
129	Business	2001	98.0	0.093422
130	Business	2002	202.0	0.192564
131	Business	2003	260.0	0.247855
2017				
Busi	ness			
	domain	Year	Count	domain_Score
561	Political	1963	0.0	0.000000
562	Political	1972	0.0	0.000000
563	Political	1973	0.0	0.000000
564	Political	1974	0.0	0.000000
565	Political	1974	0.0	0.000000
566	Political	1976	0.0	0.000000
567	Political	1977	0.0	0.000000
568	Political	1978	0.0	0.000000
569	Political	1979	0.0	0.000000
570	Political	1980	0.0	0.000000
571	Political	1981	1.0	0.003774
572	Political	1982	0.0	0.000000
573	Political	1983	0.0	0.000000
574	Political	1984	1.0	0.003774
575	Political	1985	0.0	0.000000
576	Political	1986	0.0	0.000000
577	Political	1987	1.0	0.003774
578	Political	1988	1.0	0.003774
579	Political	1989	0.0	0.000000
580	Political	1990	5.0	0.018868
581	Political	1991	2.0	0.007547
582	Political	1992	3.0	0.011321
583	Political	1993	1.0	0.003774
584	Political	1994	5.0	0.018868
585	Political	1995	11.0	0.041509
586	Political	1996	20.0	0.075472
587	Political	1997	11.0	0.041509
	Political		18.0	0.041309
588 500		1998		
589	Political	1999	26.0	0.098113
590	Political	2000	28.0	0.105660
591	Political	2001	21.0	0.079245
592	Political	2002	49.0	0.184906
593	Political	2003	61.0	0.230189
2017				

		domain	rear	Count	domain_score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer		1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer		1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer		1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer		2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer		2002	882.0	0.170831
197	Computer		2003	957.0	0.185357
2017	1				
Comp	uter Scie	nce			
-		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer		1977	1.0	0.000194
172	Computer		1978	3.0	0.000581
173	Computer		1979	3.0	0.000581
174	Computer		1980	5.0	0.000968
	•				

domain Year Count domain\_Score

475					
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2017	_				
Comp	uter Scie	nce			
Comp	uter Scie	nce domain	Year	Count	domain_Score
Comp	uter Scien Computer		Year 1963	Count	domain_Score 0.000194
_		domain			_
165	Computer	domain Science	1963	1.0	0.000194
165 166	Computer Computer	domain Science Science	1963 1972	1.0 5.0	0.000194 0.000968
165 166 167	Computer Computer	domain Science Science Science	1963 1972 1973	1.0 5.0 1.0	0.000194 0.000968 0.000194
165 166 167 168	Computer Computer Computer	domain Science Science Science Science	1963 1972 1973 1974	1.0 5.0 1.0 12.0	0.000194 0.000968 0.000194 0.002324
165 166 167 168 169	Computer Computer Computer Computer	domain Science Science Science Science Science	1963 1972 1973 1974 1975	1.0 5.0 1.0 12.0 1.0	0.000194 0.000968 0.000194 0.002324 0.000194
165 166 167 168 169 170	Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976	1.0 5.0 1.0 12.0 1.0	0.000194 0.000968 0.000194 0.002324 0.000194
165 166 167 168 169 170	Computer Computer Computer Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976	1.0 5.0 1.0 12.0 1.0 1.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194
165 166 167 168 169 170 171 172	Computer Computer Computer Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976 1977	1.0 5.0 1.0 12.0 1.0 1.0 3.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000194
165 166 167 168 169 170 171 172	Computer Computer Computer Computer Computer Computer Computer Computer Computer	domain Science Science Science Science Science Science Science Science Science	1963 1972 1973 1974 1975 1976 1977 1978	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000194 0.000581
165 166 167 168 169 170 171 172 173 174	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968
165 166 167 168 169 170 171 172 173 174 175	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162
165 166 167 168 169 170 171 172 173 174 175	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387
165 166 167 168 169 170 171 172 173 174 175 176	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324
165 166 167 168 169 170 171 172 173 174 175 176 177	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387
165 166 167 168 169 170 171 172 173 174 175 176 177 178	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131
165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648
165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 12.0 2.0 11.0 24.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000581 0.000968 0.001162 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874
165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182	Computer	domain Science	1963 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987	1.0 5.0 1.0 12.0 1.0 1.0 3.0 3.0 5.0 6.0 2.0 11.0 24.0 20.0 51.0	0.000194 0.000968 0.000194 0.002324 0.000194 0.000194 0.000581 0.000581 0.000581 0.000387 0.002324 0.000387 0.002131 0.004648 0.003874 0.009878

186 Computer Science 1992

0.012009

0.013752

62.0

71.0

187	Computer Science	1993	98.0	0.018981
188	Computer Science	1994	114.0	0.022080
189	Computer Science	1995	374.0	0.072439
190	Computer Science	1996	349.0	0.067596
191	Computer Science	1997	401.0	0.077668
192	Computer Science	1998	420.0	0.081348
193	Computer Science	1999	389.0	0.075344
194	Computer Science	2000	451.0	0.087352
195	Computer Science	2001	366.0	0.070889
196	Computer Science	2002	882.0	0.170831
197	Computer Science	2003	957.0	0.185357
201	7			
Com	puter Science			
	domain	Year	Count	domain_Score
165	Computer Science	1963	1.0	0.000194
166	Computer Science	1972	5.0	0.000968
167	Computer Science	1973	1.0	0.000194
168	Computer Science	1974	12.0	0.002324
169	Computer Science	1975	1.0	0.000194
170	Computer Science	1976	1.0	0.000194
171	Computer Science	1977	1.0	0.000194
172	Computer Science	1978	3.0	0.000581
173	Computer Science	1979	3.0	0.000581
174	Computer Science	1980	5.0	0.000968
175	Computer Science	1981	6.0	0.001162
176	Computer Science	1982	2.0	0.000387
177	Computer Science	1983	12.0	0.002324
178	Computer Science	1984	2.0	0.000387
179	Computer Science	1985	11.0	0.002131
180	-	1986	24.0	0.004648
181	Computer Science	1987	20.0	0.003874
182	Computer Science	1988	51.0	0.009878
183	Computer Science	1989	29.0	0.005617
184	•	1990	39.0	0.007554
185	•	1991	62.0	0.012009
186	•	1992	71.0	0.013752
187	•	1993	98.0	0.018981
188	•	1994	114.0	0.022080
189	•	1995	374.0	0.072439
190	-	1996	349.0	0.067596
191	•	1997	401.0	0.077668
192	•	1998	420.0	0.081348
193	•	1999	389.0	0.075344
194	•	2000	451.0	0.087352
195	•	2001	366.0	0.070889
196	•	2002	882.0	0.170831
197	•	2003	957.0	0.185357
201	1			

Computer S	Science
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_		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2017					
Comp	uter Scie		37	<b>a</b> .	1
4.05	<b>a</b> .	domain	Year	Count	domain_Score
165	Computer		1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer		1974	12.0	0.002324
169	Computer		1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer		1978	3.0	0.000581
173	Computer		1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968

175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2017					

	domain	Year	Count	domain_Score
297	Health	1963	0.0	0.000000
298	Health	1972	0.0	0.000000
299	Health	1973	0.0	0.000000
300	Health	1974	0.0	0.000000
301	Health	1975	0.0	0.000000
302	Health	1976	1.0	0.006211
303	Health	1977	0.0	0.000000
304	Health	1978	0.0	0.000000
305	Health	1979	0.0	0.000000
306	Health	1980	0.0	0.000000
307	Health	1981	0.0	0.000000
308	Health	1982	0.0	0.000000
309	Health	1983	1.0	0.006211
310	Health	1984	2.0	0.012422
311	Health	1985	0.0	0.000000
312	Health	1986	1.0	0.006211
313	Health	1987	1.0	0.006211
314	Health	1988	0.0	0.000000
315	Health	1989	0.0	0.000000
316	Health	1990	0.0	0.000000
317	Health	1991	0.0	0.000000
318	Health	1992	0.0	0.000000

040			0 0	0.00000
319		1993	0.0	0.000000
320		1994	2.0	0.012422
321		1995	10.0	0.062112
322		1996	7.0	0.043478
323		1997	9.0	0.055901
324		1998	12.0	0.074534
325		1999	9.0	0.055901
326		2000	13.0	0.080745
327	Health 2	2001	16.0	0.099379
328	Health 2	2002	45.0	0.279503
329	Health 2	2003	32.0	0.198758
2017				
Heal <sup>.</sup>	th			
	domain	Year	Count	domain_Score
99	Business	1963	0.0	0.000000
100	Business	1972	0.0	0.000000
101	Business	1973	0.0	0.000000
102	Business	1974	1.0	0.000953
103	Business	1975	1.0	0.000953
104	Business	1976	0.0	0.000000
105	Business	1977	0.0	0.000000
106	Business	1978	1.0	0.000953
107	Business	1979	2.0	0.001907
108	Business	1980	2.0	0.001907
109	Business	1981	2.0	0.001907
110	Business	1982	1.0	0.000953
111	Business	1983	1.0	0.000953
112	Business	1984	1.0	0.000953
113	Business	1985	1.0	0.000953
114	Business	1986	1.0	0.000953
115	Business	1987	1.0	0.000953
116	Business	1988	2.0	0.001907
117	Business	1989	4.0	0.003813
118	Business	1990	4.0	0.003813
119	Business	1991	12.0	0.011439
120	Business	1992	8.0	0.007626
121	Business	1993	14.0	0.013346
122	Business	1994	8.0	0.007626
123	Business	1995		0.026692
124	Business	1996		0.048618
125	Business	1997		0.040038
126	Business	1998	108.0	0.102955
127	Business	1999	88.0	0.083889
128	Business	2000	105.0	0.100095
129	Business	2001	98.0	0.093422
130	Business	2001	202.0	0.192564
131	Business	2002	260.0	0.247855
2018	המחדוובט <u>ס</u>	2000	200.0	0.241000
2010				

		domain	rear	Count	domain_score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer		2003	957.0	0.185357
2014	·				
	uter Scie	nce			
1		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer		1972	5.0	0.000968
167	Computer		1973	1.0	0.000194
168	Computer		1974	12.0	0.002324
169	Computer		1975	1.0	0.000194
170	Computer		1976	1.0	0.000194
171	Computer		1977	1.0	0.000194
172	Computer		1978	3.0	0.000581
173	Computer		1979	3.0	0.000581
174	Computer		1980	5.0	0.000968
	r 4001	22231100		3.0	3.00000

domain Year Count domain\_Score

175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	Computer	Science	1997	401.0	0.077668
192	Computer	Science	1998	420.0	0.081348
193	Computer	Science	1999	389.0	0.075344
194	Computer	Science	2000	451.0	0.087352
195	Computer	Science	2001	366.0	0.070889
196	Computer	Science	2002	882.0	0.170831
197	Computer	Science	2003	957.0	0.185357
2015					

	domain	Year	Count	domain_Score
594	Software	1963	0.0	0.000000
595	Software	1972	0.0	0.000000
596	Software	1973	0.0	0.000000
597	Software	1974	5.0	0.004955
598	Software	1975	1.0	0.000991
599	Software	1976	0.0	0.000000
600	Software	1977	1.0	0.000991
601	Software	1978	4.0	0.003964
602	Software	1979	2.0	0.001982
603	Software	1980	1.0	0.000991
604	Software	1981	1.0	0.000991
605	Software	1982	1.0	0.000991
606	Software	1983	0.0	0.000000
607	Software	1984	4.0	0.003964
608	Software	1985	1.0	0.000991
609	Software	1986	0.0	0.000000
610	Software	1987	4.0	0.003964
611	Software	1988	4.0	0.003964
612	Software	1989	3.0	0.002973
613	Software	1990	10.0	0.009911
614	Software	1991	14.0	0.013875
615	Software	1992	8.0	0.007929

616	Software	1993	18.0	0.0	17839
617	Software	1994	23.0	0.0	22795
618	Software	1995	50.0	0.0	49554
619	Software	1996	74.0	0.0	73340
620	Software	1997	69.0	0.0	68385
621	Software	1998	90.0	0.0	89197
622	Software	1999	94.0	0.0	93162
623	Software	2000	81.0	0.0	80278
624	Software	2001	76.0	0.0	75322
625	Software	2002	179.0	0.1	77403
626	Software	2003	191.0	0.1	89296
2015					
Soft	ware				
		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131

Computer Sc	ıer	ıсе
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		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	Computer	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	Computer	Science	1976	1.0	0.000194
171	Computer	Science	1977	1.0	0.000194
172	Computer	Science	1978	3.0	0.000581
173	Computer	Science	1979	3.0	0.000581
174	Computer	Science	1980	5.0	0.000968
175	Computer	Science	1981	6.0	0.001162
176	Computer	Science	1982	2.0	0.000387
177	Computer	Science	1983	12.0	0.002324
178	Computer	Science	1984	2.0	0.000387
179	Computer	Science	1985	11.0	0.002131
180	Computer	Science	1986	24.0	0.004648
181	Computer	Science	1987	20.0	0.003874
182	Computer	Science	1988	51.0	0.009878
183	Computer	Science	1989	29.0	0.005617
184	Computer	Science	1990	39.0	0.007554
185	Computer	Science	1991	62.0	0.012009
186	Computer	Science	1992	71.0	0.013752
187	Computer	Science	1993	98.0	0.018981
188	Computer	Science	1994	114.0	0.022080
189	Computer	Science	1995	374.0	0.072439
190	Computer	Science	1996	349.0	0.067596
191	${\tt Computer}$	Science	1997	401.0	0.077668
192	${\tt Computer}$	Science	1998	420.0	0.081348
193	${\tt Computer}$	Science	1999	389.0	0.075344
194	${\tt Computer}$	Science	2000	451.0	0.087352
195	${\tt Computer}$	Science	2001	366.0	0.070889
196	${\tt Computer}$	Science	2002	882.0	0.170831
197	${\tt Computer}$	Science	2003	957.0	0.185357
2017					
Compu	ıter Scie	ice			
		domain	Year	Count	domain_Score
165	Computer	Science	1963	1.0	0.000194
166	Computer	Science	1972	5.0	0.000968
167	Computer	Science	1973	1.0	0.000194
168	${\tt Computer}$	Science	1974	12.0	0.002324
169	Computer	Science	1975	1.0	0.000194
170	${\tt Computer}$	Science	1976	1.0	0.000194
171	${\tt Computer}$		1977	1.0	0.000194
172	${\tt Computer}$	Science	1978	3.0	0.000581
173	${\tt Computer}$	Science	1979	3.0	0.000581
174	${\tt Computer}$	Science	1980	5.0	0.000968

Computer	Science	1981	6.0	0.001162
Computer	Science	1982	2.0	0.000387
Computer	Science	1983	12.0	0.002324
Computer	Science	1984	2.0	0.000387
Computer	Science	1985	11.0	0.002131
Computer	Science	1986	24.0	0.004648
Computer	Science	1987	20.0	0.003874
Computer	Science	1988	51.0	0.009878
Computer	Science	1989	29.0	0.005617
Computer	Science	1990	39.0	0.007554
Computer	Science	1991	62.0	0.012009
Computer	Science	1992	71.0	0.013752
Computer	Science	1993	98.0	0.018981
Computer	Science	1994	114.0	0.022080
${\tt Computer}$	Science	1995	374.0	0.072439
${\tt Computer}$	Science	1996	349.0	0.067596
${\tt Computer}$	Science	1997	401.0	0.077668
${\tt Computer}$	Science	1998	420.0	0.081348
Computer	Science	1999	389.0	0.075344
${\tt Computer}$	Science	2000	451.0	0.087352
${\tt Computer}$	Science	2001	366.0	0.070889
${\tt Computer}$	Science	2002	882.0	0.170831
Computer	Science	2003	957.0	0.185357
	Computer	Computer Science	Computer Science 1982 Computer Science 1983 Computer Science 1984 Computer Science 1985 Computer Science 1986 Computer Science 1987 Computer Science 1988 Computer Science 1989 Computer Science 1990 Computer Science 1991 Computer Science 1991 Computer Science 1992 Computer Science 1993 Computer Science 1993 Computer Science 1995 Computer Science 1995 Computer Science 1996 Computer Science 1997 Computer Science 1998 Computer Science 1998 Computer Science 1999 Computer Science 2000 Computer Science 2000 Computer Science 2001 Computer Science 2001	Computer Science         1982         2.0           Computer Science         1983         12.0           Computer Science         1984         2.0           Computer Science         1985         11.0           Computer Science         1986         24.0           Computer Science         1987         20.0           Computer Science         1988         51.0           Computer Science         1989         29.0           Computer Science         1990         39.0           Computer Science         1991         62.0           Computer Science         1992         71.0           Computer Science         1993         98.0           Computer Science         1994         114.0           Computer Science         1995         374.0           Computer Science         1996         349.0           Computer Science         1997         401.0           Computer Science         1998         420.0           Computer Science         1999         389.0           Computer Science         2000         451.0           Computer Science         2001         366.0           Computer Science         2002         882.0

Oomp	door boron			
	domain	Year	Count	domain_Score
594	Software	1963	0.0	0.000000
595	Software	1972	0.0	0.000000
596	Software	1973	0.0	0.000000
597	Software	1974	5.0	0.004955
598	Software	1975	1.0	0.000991
599	Software	1976	0.0	0.000000
600	Software	1977	1.0	0.000991
601	Software	1978	4.0	0.003964
602	Software	1979	2.0	0.001982
603	Software	1980	1.0	0.000991
604	Software	1981	1.0	0.000991
605	Software	1982	1.0	0.000991
606	Software	1983	0.0	0.000000
607	Software	1984	4.0	0.003964
608	Software	1985	1.0	0.000991
609	Software	1986	0.0	0.000000
610	Software	1987	4.0	0.003964
611	Software	1988	4.0	0.003964
612	Software	1989	3.0	0.002973
613	Software	1990	10.0	0.009911
614	Software	1991	14.0	0.013875
615	Software	1992	8.0	0.007929

616	Software	1993	18.0	0.0	17839
617	Software	1994	23.0	0.0	22795
618	Software	1995	50.0	0.0	49554
619	Software	1996	74.0	0.0	73340
620	Software	1997	69.0	0.0	68385
621	Software	1998	90.0	0.0	89197
622	Software	1999	94.0	0.0	93162
623	Software	2000	81.0	0.0	80278
624	Software	2001	76.0	0.0	75322
625	Software	2002	179.0	0.1	77403
626	Software	2003	191.0	0.1	89296
2014					
Soft	vare				
		domain	Year	Count	domain_Score
165	${\tt Computer}$	Science	1963	1.0	0.000194
166	${\tt Computer}$	Science	1972	5.0	0.000968
167	${\tt Computer}$	Science	1973	1.0	0.000194
168	${\tt Computer}$	Science	1974	12.0	0.002324
169	${\tt Computer}$	Science	1975	1.0	0.000194
170	${\tt Computer}$	Science	1976	1.0	0.000194
171	${\tt Computer}$	Science	1977	1.0	0.000194
172	${\tt Computer}$	Science	1978	3.0	0.000581
173	${\tt Computer}$	Science	1979	3.0	0.000581
174	${\tt Computer}$	Science	1980	5.0	0.000968
175	${\tt Computer}$	Science	1981	6.0	0.001162
176	${\tt Computer}$	Science	1982	2.0	0.000387
177	${\tt Computer}$	Science	1983	12.0	0.002324
178	${\tt Computer}$	Science	1984	2.0	0.000387
179	${\tt Computer}$	Science	1985	11.0	0.002131
180	${\tt Computer}$	Science	1986	24.0	0.004648
181	${\tt Computer}$	Science	1987	20.0	0.003874
182	${\tt Computer}$	Science	1988	51.0	0.009878
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185	${\tt Computer}$	Science	1991	62.0	0.012009
186	${\tt Computer}$	Science	1992	71.0	0.013752
187	${\tt Computer}$	Science	1993	98.0	0.018981
188	${\tt Computer}$	Science	1994	114.0	0.022080
189	${\tt Computer}$	Science	1995	374.0	0.072439
190	${\tt Computer}$	Science		349.0	0.067596
191	${\tt Computer}$			401.0	0.077668
192	${\tt Computer}$	Science	1998	420.0	0.081348
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193 Computer Science 1999 389.0

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#### Computer Science domain Year Count domain\_Score Computer Science 1963 1.0 0.000194 165 5.0 166 Computer Science 1972 0.000968 167 Computer Science 1973 1.0 0.000194 168 Computer Science 1974 12.0 0.002324 169 Computer Science 1975 1.0 0.000194 170 Computer Science 1976 1.0 0.000194 171 Computer Science 1977 1.0 0.000194 172 Computer Science 1978 3.0 0.000581 3.0 173 Computer Science 1979 0.000581 5.0 174 Computer Science 1980 0.000968 6.0 175 1981 Computer Science 0.001162 176 Computer Science 1982 2.0 0.000387 177 Computer Science 1983 12.0 0.002324 2.0 178 Computer Science 1984 0.000387 179 Computer Science 1985 11.0 0.002131 180 24.0 Computer Science 1986 0.004648 Computer Science 20.0 181 1987 0.003874 182 Computer Science 1988 51.0 0.009878 183 Computer Science 1989 29.0 0.005617 184 Computer Science 1990 39.0 0.007554 185 Computer Science 1991 62.0 0.012009 1992 186 Computer Science 71.0 0.013752 187 Computer Science 1993 98.0 0.018981 1994 188 Computer Science 114.0 0.022080 1995 189 Computer Science 374.0 0.072439 190 Computer Science 1996 349.0 0.067596 191 Computer Science 1997 401.0 0.077668 192 Computer Science 1998 420.0 0.081348 389.0 193 1999 Computer Science 0.075344 194 Computer Science 2000 451.0 0.087352 195 Computer Science 2001 366.0 0.070889 196 2002 Computer Science 882.0 0.170831 197 Computer Science 2003 957.0 0.185357 2014 Computer Science In [65]: test\_df

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                                                         2017
24
    Universal Adversarial Perturbations Against Se...
                                                        2017
    The loss surface of deep and wide neural networks
25
                                                        2017
26
    Semantically Decomposing the Latent Spaces of ...
                                                         2017
27
    Variants of RMSProp and Adagrad with Logarithm...
                                                         2017
    ALICE: Towards Understanding Adversarial Learn...
28
                                                        2017
    A systematic study of the class imbalance prob...
29
                                                        2017
                                                          . . .
. .
    Sentence Pair Scoring: Towards Unified Framewo...
                                                        2016
70
    Incorporating Copying Mechanism in Sequence-to...
71
                                                         2016
72
    Generating Factoid Questions With Recurrent Ne...
                                                         2016
    How NOT To Evaluate Your Dialogue System: An E...
73
                                                         2016
74
    A Hierarchical Latent Variable Encoder-Decoder...
                                                         2016
75
    Neural Associative Memory for Dual-Sequence Mo...
                                                         2016
    Log-Linear RNNs: Towards Recurrent Neural Netw...
76
                                                         2016
    Embracing data abundance: BookTest Dataset for...
77
                                                        2016
```

```
78
                      Quasi-Recurrent Neural Networks
                                                       2016
79
   Input Switched Affine Networks: An RNN Archite...
                                                       2016
80
   Frustratingly Short Attention Spans in Neural ...
                                                       2017
       A Structured Self-attentive Sentence Embedding
81
                                                       2017
82
   A Recurrent Neural Model with Attention for th...
                                                       2017
   Event Representations for Automated Story Gene...
83
                                                       2017
   A Joint Model for Question Answering and Quest...
85
   Learning Intrinsic Sparse Structures within Lo...
                                                       2017
   Why PairDiff works? -- A Mathematical Analysis...
                                                       2017
87
   Object-oriented Neural Programming (OONP) for ...
                                                       2017
   A Neural Comprehensive Ranker (NCR) for Open-D...
88
                                                       2017
89
    Improving speech recognition by revising gated...
                                                       2017
90
    Integrating planning for task-completion dialo...
                                                       2018
    Building DNN Acoustic Models for Large Vocabul...
92
    Deep Recurrent Neural Networks for Acoustic Mo...
                                                       2015
93
         Regularizing RNNs by Stabilizing Activations
                                                       2015
94
    Outrageously Large Neural Networks: The Sparse...
                                                       2017
   Discourse-Based Objectives for Fast Unsupervis...
95
                                                       2017
   Learning Convolutional Text Representations fo...
96
                                                       2017
97
   Learning Phrase Representations using RNN Enco...
                                                       2014
   Recurrent Neural Network Training with Dark Kn...
   Long Short-Term Memory Based Recurrent Neural ...
                                             Abstract citation count \
0
    We propose an architecture for VQA which utili...
                                                                    1
1
   Recent approaches based on artificial neural n...
                                                                  105
2
    We introduce the multiresolution recurrent neu...
                                                                   59
3
    Multi-task learning is motivated by the observ...
                                                                    9
                                                                    0
4
    We present MILABOT: a deep reinforcement learn...
5
    We propose a new generative model of sentences...
                                                                    2
6
    We present MILABOT: a deep reinforcement learn...
7
    The paper introduces a new method for discrimi...
                                                                    4
8
    Together with the development of more accurate...
                                                                    1
9
    Transforming a graphical user interface screen...
                                                                   26
10
   Learned feature representations and sub-phonem...
                                                                    0
11
   We propose Efficient Neural Architecture Searc...
                                                                   55
   Recent progress in artificial intelligence (AI...
                                                                  346
   While perception tasks such as visual object r...
                                                                   23
   Learning goal-directed behavior in environment...
                                                                  215
15
   This paper presents a novel yet intuitive appr...
                                                                   95
                                                                   48
16
   We propose a simple neural network model to de...
17
   Recent studies have demonstrated the power of ...
                                                                   56
    In this paper, we address the task of Optical ...
18
                                                                   10
19
   The ability of the Generative Adversarial Netw...
                                                                  357
   Supervised machine learning models boast remar...
                                                                  346
   In this paper, we focus on online representati...
                                                                    2
   Deep neural networks require a large amount of...
                                                                   34
23 An important goal of computer vision is to bui...
                                                                    7
```

24	While deep learning is remarkably successful o	14
25	While the optimization problem behind deep neu	70
26	We propose a new algorithm for training genera	25
27	Adaptive gradient methods have become recently	13
28	We investigate the non-identifiability issues	0
29	In this study, we systematically investigate t	55
	•••	
70	We review the task of Sentence Pair Scoring, p	19
71	We address an important problem in sequence-to	0
72	Over the past decade, large-scale supervised 1	0
73	We investigate evaluation metrics for dialogue	0
74	Sequential data often possesses a hierarchical	0
75	Many important NLP problems can be posed as du	0
76	We introduce LL-RNNs (Log-Linear RNNs), an ext	0
77	There is a practically unlimited amount of nat	0
78	Recurrent neural networks are a powerful tool	0
79	There exist many problem domains where the int	0
80	Neural language models predict the next token	0
81	This paper proposes a new model for extracting	0
82	We introduce an attention-based Bi-LSTM for ${\tt Ch}$	0
83	Automated story generation is the problem of a	0
84	We propose a generative machine comprehension $\dots$	0
85	Model compression is significant for the wide $\dots$	0
86	Representing the semantic relations that exist	0
87	We propose Object-oriented Neural Programming	0
88	This paper proposes a novel neural machine rea	0
89	Speech recognition is largely taking advantage	0
90	Training a task-completion dialogue agent with	0
91	Deep neural networks (DNNs) are now a central	0
92	We present a novel deep Recurrent Neural Netwo	0
93	We stabilize the activations of Recurrent Neur	0
94	The capacity of a neural network to absorb inf	0
95	This work presents a novel objective function	0
96	Visual question answering is a recently propos	0
97	In this paper, we propose a novel neural netwo	0
98	Recurrent neural networks (RNNs), particularly	0
99	Long Short-Term Memory (LSTM) is a recurrent $n$	0

# domain domain\_score

0	${\tt Computer}$	Science	0
1	${\tt Computer}$	Science	0
2	${\tt Computer}$	Science	0
3	${\tt Computer}$	Science	0
4	${\tt Computer}$	Science	0
5	${\tt Computer}$	Science	0
6	${\tt Computer}$	Science	0
7	C L	Software	0
8	${\tt Computer}$	Science	0

9	Software	0
10		0
11	Computer Science Software	
		0
12	Computer Science	0
13	Computer Science	0
14	Neuroscience	0
15	Computer Science	0
16	Computer Science	0
17	Computer Science	0
18	Computer Science	0
19	Political	0
20	History	0
21	Computer Science	0
22	Computer Science	0
23	Computer Science	0
24	Political	0
25	Earth Science	0
26	Political	0
27	Earth Science	0
28	Computer Science	0
29	Computer Science	0
	•••	
70	Computer Science	0
71	Computer Science	0
72	Computer Science	0
73	Computer Science	0
74	Software	0
75	Computer Science	0
76	Computer Science	0
77	Computer Science	0
78	Biomedical Research	0
79	Computer Science	0
80	Computer Science	0
81	Business	0
82	Political	0
83	Computer Science	0
84	Computer Science	0
85	Computer Science	0
86	Computer Science	0
87	Computer Science	0
	<del>-</del>	0
88	Computer Science	
89	Health	0
90	Business	0
91	Computer Science	0
92	Computer Science	0
93	Software	0
94	Computer Science	0
95	Computer Science	0

```
96
                Computer Science
         97
                        Software
         98
                Computer Science
                                             0
                Computer Science
         99
         [100 rows x 8 columns]
In [101]: # paper influence by giving wieghts to each parameter:
          # 1) author popularity : 0.2,
          # 2) domain-popularity : 0.2, more popular domain, less influence paper is
          # 3) citations count : 0.8
          metric_paper_list = []
          domain_paper_list = []
          for index, rows in train_df.iterrows():
              authors = rows["Authors"]
              citations = rows["citation_count"]
              domain = rows["domain"]
              year = rows['Year']
              authors_list = authors.split(',')
              count = 1
              curr_sum = 0
              for author in authors_list:
                  auth_score = df_n.loc[df_n['author_name'] == author, 'SVS - index'].iloc[0]
                  curr_sum = curr_sum + auth_score
                  curr sum = curr sum / count
                  count = count + 1
              domain_list = df_new[df_new['domain'] == domain]
              domain_score = 0
              if not domain_list.empty:
                  domain_score = domain_list.loc[domain_list['Year'] == year, 'domain_Score']..
              paper_score = 0.5*curr_sum + 0.8*citations - domain_score + 2 * citations/(2018)
              metric_paper_list.append(paper_score)
              domain_paper_list.append(domain_score)
          train_df['reach_score'] = metric_paper_list
          train_df['domain_score'] = domain_paper_list
        AttributeError
                                                  Traceback (most recent call last)
        <ipython-input-101-87815812b2a2> in <module>()
         10
                domain = rows["domain"]
              year = rows['Year']
         11
    ---> 12
                authors_list = authors.split(',')
         13
                count = 1
                curr_sum = 0
         14
```

AttributeError: 'numpy.float64' object has no attribute 'split'

In [102]: train\_df

Out[102]:	Abstract	Authors	Year	index id	paperTitle	citation_count	domain	\
0	2443	2128	1998	0	8355	3	5	·
1	2854	5070	2003	1	9844	9	17	
2	2443	6113	2002	2	2261	0	5	
3	1896	1383	2002	3	9457	1	8	
4	998	4312	2003	4	2882	0	5	
5	2470	3937	2003	5	3641	0	17	
6	3624	5487	1999	6	4249	2	3	
7	2443	913	1995	7	5946	0	5	
8	2079	3868	2002	8	9143	0	5	
9	1036	8274	2002	9	3765	0	5	
10	2443	8585	1998	10	4710	2	18	
11	1686	6707	1999	11	7690	2	5	
12	2443	8089	1998	12	9439	0	5	
13	499	4169	2003	13	6596	1	5	
14	3210	7959	2003	14	8483	0	5	
15	4834	3197	1998	15	1413	0	3	
16	4795	1435	2002	16	9164	0	5	
17	2443	4760	1993	17	4495	8	3	
18	2198	992	2003	18	6235	2	19	
19	2443	419	1998	19	6382	14	17	
20	2443	8703	1998	20	1868	0	5	
21	2443	6553	2002	21	7902	0	9	
22	4210	646	2002	22	5098	0	18	
23	2443	3802	1984	23	8821	1	10	
24	2361	6536	2002	24	1564	0	5	
25	1281	4323	2002	25	8110	2	8	
26	4936	4891	2000	26	9485	1	5	
27	2443	6223	2001	27	6971	3	3	
28	2443	2511	1997	28	3266	0	18	
29	2443	6113	1999	29	3961	0	17	
• • •	• • •	• • •	• • •			• • •	• • •	
9970	5674	8902	2000	9970	3390	0	3	
9971	2443	1227	1999	9971	8782	1	5	
9972	2443	1464	1994	9972	2599	0	5	
9973	4702	6565	2002	9973	579	27	5	
9974	3642	2459	2003	9974	3075	0	3	
9975	862	4442	2001	9975	4037	0	5	
9976	1198	750	2003	9976	2964	3	3	
9977	1442	6518	1998	9977	194	3	5	
9978	2443	6037	1997	9978	6775	0	5	

9979	2443	1465	2002	9979	483	6	5
9980	2443	671	1994	9980	4420	0	5
9981	2443	866	2001	9981	1873	0	5
9982	1322	8219	1999	9982	8815	1	10
9983	3974	8420	2002	9983	2412	4	5
9984	2443	5517	2001	9984	9281	2	3
9985	4812	1599	2002	9985	9251	1	5
9986	799	6557	2000	9986	3917	0	3
9987	848	9356	1998	9987	4364	0	3
9988	2443	3090	1979	9988	7966	0	7
9989	584	578	2000	9989	1324	7	18
9990	1470	8358	2002	9990	9758	3	5
9991	4788	6529	2001	9991	5594	0	5
9992	2443	8297	2002	9992	8350	0	0
9993	2443	2804	2002	9993	7078	0	11
9994	2004	1207	2001	9994	7863	2	3
9995	2443	5827	2002	9995	4388	0	5
9996	2443	4478	1997	9996	7122	0	5
9997	2443	7302	2003	9997	2107	0	5
9998	2443	996	2001	9998	9884	0	5
9999	2093	1390	2000	9999	8598	1	17

	reach_score	domain_score
0	1.255956	0.081348
1	3.809434	0.230189
2	-0.512493	0.170831
3	0.000904	0.166365
4	-0.556072	0.185357
5	-0.690566	0.230189
6	0.748332	0.083889
7	-0.217316	0.072439
8	-0.512493	0.170831
9	-0.512493	0.170831
10	0.732408	0.089197
11	0.773969	0.075344
12	-0.244044	0.081348
13	-0.056072	0.185357
14	-0.556072	0.185357
15	-0.308866	0.102955
16	-0.512493	0.170831
17	3.959962	0.013346
18	0.162338	0.279221
19	6.796226	0.067925
20	-0.244044	0.081348
21	-0.838509	0.279503
22	-0.532210	0.177403
23	0.489583	0.003472
24	-0.512493	0.170831

```
25
         0.500904
                        0.166365
26
         0.237943
                        0.087352
27
         1.219733
                        0.093422
28
        -0.205154
                        0.068385
29
        -0.294340
                        0.098113
. . .
9970
        -0.300286
                        0.100095
9971
         0.273969
                        0.075344
9972
        -0.066241
                        0.022080
9973
        12.987507
                        0.170831
9974
        -0.743565
                        0.247855
9975
        -0.212667
                        0.070889
9976
         0.756435
                        0.247855
9977
         1.255956
                        0.081348
9978
        -0.233004
                        0.077668
9979
         2.487507
                        0.170831
9980
        -0.066241
                        0.022080
9981
        -0.212667
                        0.070889
9982
         0.322917
                        0.059028
9983
         1.487507
                        0.170831
9984
         0.719733
                        0.093422
9985
        -0.012493
                        0.170831
9986
        -0.300286
                        0.100095
9987
        -0.308866
                        0.102955
9988
        -0.130435
                        0.043478
9989
         3.259167
                        0.080278
9990
         0.987507
                        0.170831
9991
        -0.212667
                        0.070889
9992
        -0.383721
                        0.127907
9993
        -0.887324
                        0.295775
9994
         0.719733
                        0.093422
9995
        -0.512493
                        0.170831
9996
        -0.233004
                        0.077668
9997
        -0.556072
                        0.185357
9998
        -0.212667
                        0.070889
9999
         0.183019
                        0.105660
```

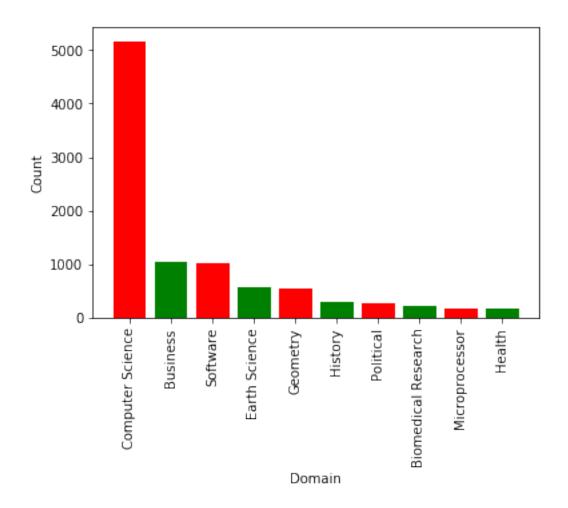
[10000 rows x 9 columns]

'Political': 265,

# 10 Time Analysis of Paper citation count

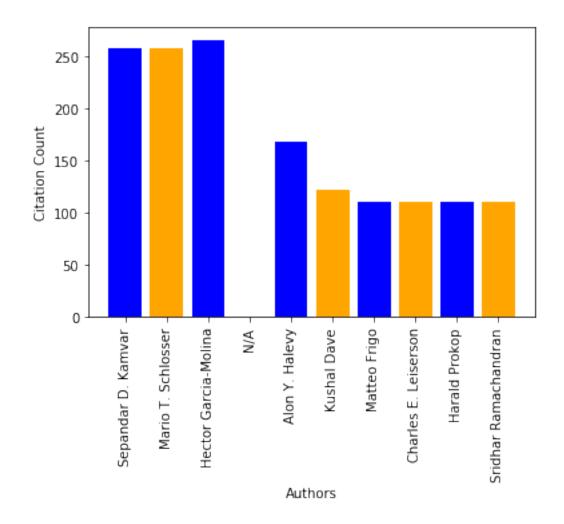
```
In [69]: # Graph 1: Graph which will tell the domain and the total number of papers in the dom
In [70]: df_domain_count = paper_domain_dict
In [71]: df_domain_count
Out[71]: {'Computer Science': 5163,
```

```
'Geometry': 553,
          'Business': 1049,
          'Software': 1009,
          'Statistics': 154,
          'Health': 161,
          'History': 288,
          'Art': 86,
          'Earth Science': 570,
          'Literature': 142,
          'Biomedical Research': 221,
          'Microprocessor': 162,
          'Maths': 80,
          'N/A': 18,
          'Economics': 23,
          'Physics': 24,
          'Biology': 15,
          'Chemistry': 4,
          'Neuroscience': 13}
In [72]: df1 = pd.DataFrame(list(paper_domain_dict.items()), columns=['Domain', 'Count'])
In [73]: df1 = df1.sort_values(by='Count', ascending=False)
         df1 = df1.head(10)
In [74]: import matplotlib.pyplot as plt_1
         x = df1['Domain']
         y = df1['Count']
         plt_1.bar(x,y, width = 0.8, color = ['red', 'green'])
         plt_1.xlabel('Domain')
         plt_1.ylabel('Count')
         plt_1.xticks(rotation=90);
```



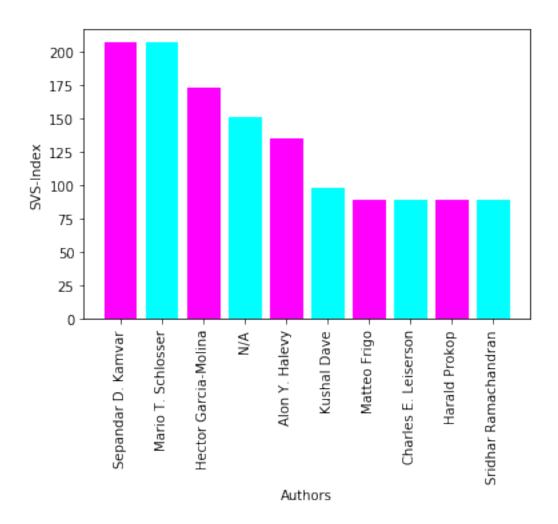
```
In [75]: mydf = df_n.head(10)

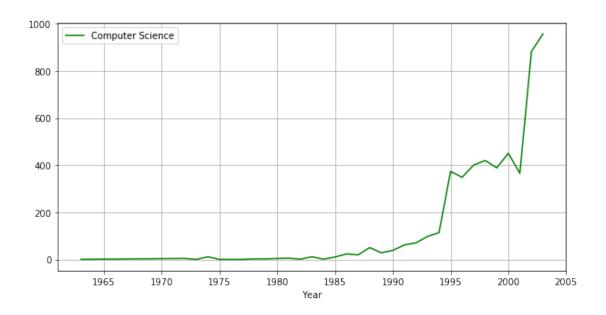
x = mydf['author_name']
y = mydf['citation_count']
plt_1.bar(x,y, width = 0.8, color = ['blue', 'orange'])
plt_1.xlabel('Authors')
plt_1.ylabel('Citation Count')
plt_1.xticks(rotation=90);
```

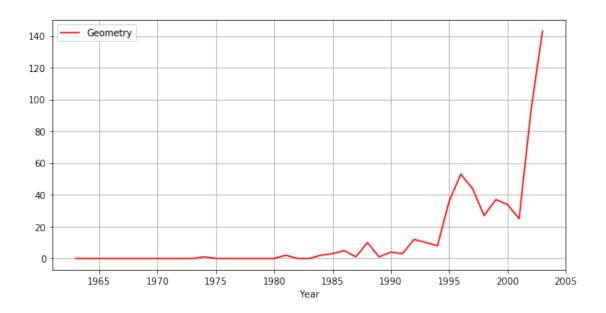


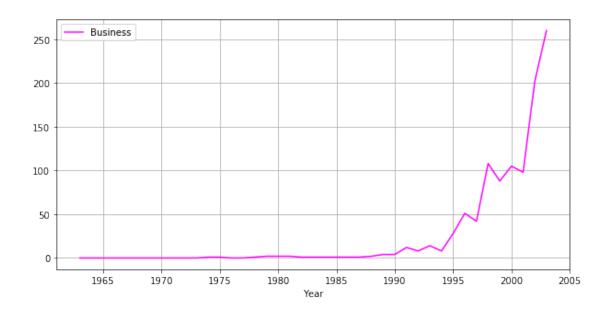
```
In [76]: mydf = df_n.head(10)

x = mydf['author_name']
y = mydf['SVS - index']
plt_1.bar(x,y, width = 0.8, color = ['magenta', 'cyan'])
plt_1.xlabel('Authors')
plt_1.ylabel('SVS-Index')
plt_1.xticks(rotation=90);
```

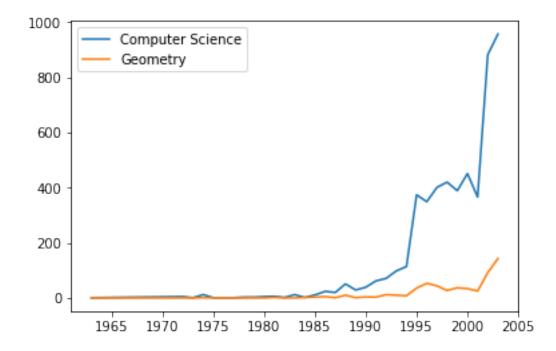








Out[79]: <matplotlib.legend.Legend at 0x1a94c75470>



### 11 Baseline Model

```
In [80]: from sklearn.linear_model import LinearRegression
         from sklearn.model_selection import train_test_split
         from sklearn.metrics import mean_squared_error
         from sklearn import preprocessing
In [81]: features = ['Abstract', 'paperTitle', 'domain', 'Authors', 'Year', 'citation count']
In [82]: cat_cols = ["Authors", "paperTitle", "domain", "Abstract"]
         for col in cat_cols:
             print(col)
             lbl = preprocessing.LabelEncoder()
             lbl.fit(list(train_df[col].values.astype('str')) + list(test_df[col].values.astype
             train_df[col] = lbl.transform(list(train_df[col].values.astype('str')))
             test_df[col] = lbl.transform(list(test_df[col].values.astype('str')))
Authors
paperTitle
domain
Abstract
In [83]: X = train_df[features].values
         Y = train_df['reach_score'].values
In [84]: X_train, X_test, y_train, y_test = train_test_split(X, Y, test_size = 0.25)
In [85]: linear_regressor = LinearRegression()
         linear_regressor.fit(X_train, y_train)
         print (linear_regressor.coef_)
         y_test_pred = linear_regressor.predict(X_test)
[ 1.73513301e-06 -1.68650447e-06 -1.39947169e-03 1.92758015e-07
-3.41163194e-02 4.99987591e-01]
In [86]: root_mean_square_error = np.sqrt(mean_squared_error(y_test,y_test_pred))
         root_mean_square_error
Out [86]: 0.1487473001505127
In [87]: linear_regressor.fit(X, Y)
Out[87]: LinearRegression(copy_X=True, fit_intercept=True, n_jobs=None,
                  normalize=False)
In [88]: test_predictions = linear_regressor.predict(test_df[features])
```

### In [89]: test\_predictions

```
Out[89]: array([-4.90709040e-01,
                                  5.15712090e+01,
                                                   2.85758772e+01,
                                                                    3.53533670e+00,
                -9.52073560e-01,
                                  1.70436162e+01,
                                                   1.39938554e-02,
                                                                    1.05606505e+00,
                -4.33496667e-01,
                                  1.20145368e+01, -8.90039644e-01,
                                                                    2.64934983e+01,
                 1.72094487e+02,
                                  1.05694914e+01,
                                                   1.06567918e+02,
                                                                    4.65778534e+01,
                 2.31481609e+01,
                                  2.71120452e+01,
                                                   4.09729420e+00,
                                                                    1.77580333e+02,
                 1.72077046e+02,
                                  3.28200334e-02,
                                                   1.60394929e+01,
                                                                    2.53858319e+00,
                 6.01747180e+00,
                                  3.40369808e+01,
                                                   1.15200396e+01,
                                                                    5.52395990e+00,
                -9.53562560e-01,
                                  2.65442686e+01,
                                                   4.03252516e+00,
                                                                    7.50384915e+00,
                 1.11026516e-02,
                                  2.20632747e+02,
                                                   1.45736406e+01, -9.77209498e-01,
                                  1.35759567e+01, -9.22191255e-01, -9.25123513e-01,
                 2.56820787e+00,
                 3.56599560e+00,
                                  3.65715786e+01, 1.56398664e+00, 9.03817406e+00,
                 4.54023145e+00,
                                  6.03561447e+00,
                                                   6.02986853e+00,
                                                                   1.35240870e+01,
                 1.55439673e+01, -9.73314145e-01, -9.62452658e-01,
                                                                    1.31128005e+02,
                                                                    7.12415285e+00,
                 2.53421839e+00, -9.46750106e-01,
                                                   5.74833079e-01,
                -9.23126359e-01,
                                 8.61289015e+00,
                                                   1.40666206e+01,
                                                                    3.56347605e+00,
                 6.60098306e+00, -8.84313542e-01, 1.02112273e+02,
                                                                    2.15637716e+02,
                                 2.46046927e+01,
                                                  3.56037075e+01,
                                                                    1.63623921e+02,
                 1.68127732e+02,
                 6.46036645e+01, 1.36085378e+01, 8.57094371e+00, -9.26106337e-01,
                -9.29170954e-01, -9.25199236e-01, -9.40776603e-01, -9.32579743e-01,
                -9.26653995e-01, -9.25740105e-01, -9.29409111e-01, -9.27892100e-01,
                -9.63328357e-01, -9.51138172e-01, -9.69917193e-01, -9.65615320e-01,
                -9.52106131e-01, -9.65239798e-01, -9.71668403e-01, -9.61651518e-01,
                -9.53584248e-01, -9.69045153e-01, -9.91752014e-01, -8.60368380e-01,
                -8.88352597e-01, -9.13808873e-01, -9.65819236e-01, -9.57820895e-01,
                -9.60964901e-01, -8.82251091e-01, -8.99908798e-01, -8.63573201e-01])
```

In [90]: test\_df

Out[90]:	Authors	index id	paperTitle	Year	Abstract	citation_count	domain	\
0	0	1802.00209v1	3328	2018	5457	1	5	
1	43	1603.03827v1	8035	2016	2744	105	5	
2	37	1606.00776v2	6071	2016	5207	59	5	
3	77	1705.08142v2	5391	2017	2425	9	5	
4	33	1709.02349v2	192	2017	5238	0	5	
5	49	1709.08878v1	4358	2017	5421	36	5	
6	34	1801.06700v1	193	2018	5237	2	5	
7	13	1609.06492v1	3297	2016	3667	4	18	
8	59	1610.01076v1	9376	2016	4775	1	5	
9	83	1705.07962v2	9930	2017	4802	26	18	
10	23	1504.00923v1	758	2015	2189	0	5	
11	27	1802.03268v2	3496	2018	5392	55	18	
12	9	1604.00289v3	2173	2016	2748	346	5	
13	24	1604.01662v2	9234	2016	5653	23	5	
14	80	1604.06057v2	4562	2016	2190	215	15	
15	15	1612.06370v2	5353	2016	4465	95	5	
16	63	1409.6041v1	3306	2014	5445	48	5	

17	55	1506.01911v3	2056	2015	2757	56	5
18	70	1509.05962v2	8656	2015	1861	10	5
19	42	1605.09782v7	1248	2016	3237	357	17
20	93	1606.03490v3	8877	2016	3022	346	10
21	73	1701.06106v2	6155	2017	1898	2	5
22	88	1702.08690v2	2126	2017	936	34	5
23	79	1704.00260v2	1298	2017	528	7	5
24	40	1704.05712v3	9454	2017	5644	14	17
25	69	1704.08045v2	9067	2017	5655	70	6
26	11	1705.07904v3	8013	2017	5415	25	17
27	56	1706.05507v2	9622	2017	410	13	6
28	12	1709.01215v2	1107	2017	5221	0	5
29	58	1710.05381v1	1058	2017	2028	55	5
70	68	1603.06127v4	8027	2016	5512	19	5
71	45	1603.06393v3	4866	2016	4898	0	5
72	35	1603.06807v2	4354	2016	2595	0	5
73	10	1603.08023v2	4639	2016	5212	0	5
74	36	1605.06069v3	348	2016	2877	0	18
75	16	1606.03864v2	6141	2016	2270	0	5
76	57	1607.02467v2	5510	2016	5188	0	5
77	65	1610.00956v1	3632	2016	3947	0	5
78	39	1611.01576v2	7364	2016	2785	0	2
79	38	1611.09434v2	4969	2016	3937	0	5
80	60	1702.04521v1	4277	2017	2460	0	5
81	97	1703.03130v1	702	2017	4604	0	3
82	75	1704.08092v1	619	2017	5203	0	17
83	51	1706.01331v3	3818	2017	668	0	5
84	82	1706.01450v1	375	2017	5403	0	5
85	87	1709.05027v7	5354	2017	2357	0	5
86	29	1709.06673v2	9846	2017	2805	0	5
87	94	1709.08853v4	6313	2017	5394	0	5
88	8	1709.10204v2	475	2017	4607	0	5
89	61	1710.00641v1	4839	2017	2981	0	9
90	6	1801.06176v1	5020	2018	4796	0	3
91	3	1406.7806v2	2168	2014	935	0	5
92	89	1504.01482v1	2971	2015	5304	0	5
93	14	1511.08400v7	7577	2015	5549	0	18
94	64	1701.06538v1	6730	2017	3316	0	5
95	90	1705.00557v1	3227	2017	4730	0	5
96	95	1705.06824v1	5351	2017	4887	0	5
97	50	1406.1078v3	5357	2014	1976	0	18
98	96	1505.04630v5	7520	2015	2784	0	5
99	26	1402.1128v1	5525	2014	2231	0	5

domain\_score

0 0 1

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	
70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88	

```
89
                        0
         90
                        0
         91
                        0
         92
                        0
                        0
         93
                        0
         94
         95
                        0
         96
                        0
         97
                        0
         98
                        0
                        0
         99
         [100 rows x 8 columns]
In [91]: #Make a csv of final predicted results
         submission = pd.DataFrame(
             {'key': test_df.paperTitle, 'reach_score': test_predictions},
             columns = ['key', 'reach_score'])
         submission.to_csv('submission.csv', index = False)
In [92]: import eli5
         from eli5.sklearn import PermutationImportance
         perm = PermutationImportance(linear_regressor, random_state=1).fit(X, Y)
         eli5.show weights(perm, feature names = features)
Out[92]: <IPython.core.display.HTML object>
In [93]: #Random Forest Model
         from sklearn.ensemble import RandomForestRegressor
         random_forest = RandomForestRegressor(n_estimators=24, max_features=None, max_depth=2
                                       min_samples_leaf=3, random_state=0)
         random_forest.fit(X_train, y_train)
         y_test_pred_1 = random_forest.predict(X_test)
In [94]: root_mean_square_error_rf = np.sqrt(mean_squared_error(y_test,y_test_pred_1))
         root_mean_square_error_rf
Out [94]: 0.19336991124693018
In [95]: random_forest.fit(X, Y)
         test_predictions_rf = random_forest.predict(test_df[features])
         #Make a csv of final predicted results
         submission = pd.DataFrame(
             {'key': test_df.paperTitle, 'Reach-Score': test_predictions_rf},
             columns = ['key', 'Reach-Score'])
         submission.to_csv('submission_rf1.csv', index = False)
In [96]: test_predictions_rf
```

```
Out[96]: array([-5.60720511e-02, 5.87618513e+01, 2.98986549e+01, 3.94337167e+00,
               -5.56072051e-01, 1.77673386e+01, 4.43927949e-01, 1.37394336e+00,
               -5.60720511e-02, 1.25936302e+01, -5.56072051e-01, 2.63652758e+01,
                8.16738815e+01, 1.09390684e+01, 8.16738815e+01, 4.85614339e+01,
                2.32885750e+01, 2.66315704e+01, 4.41926153e+00, 8.16738815e+01,
                8.16738815e+01, 4.43927949e-01, 1.66053888e+01, 2.93552643e+00,
                6.42414756e+00, 3.54302853e+01, 1.19995908e+01, 5.92564588e+00,
               -5.56072051e-01, 2.64941142e+01, 4.44433064e+00, 7.93089754e+00,
                4.43927949e-01, 8.16738815e+01, 1.48935535e+01, -6.33967821e-01,
                2.94209714e+00, 1.39944756e+01, -5.56072051e-01, -5.56072051e-01,
                3.92598246e+00, 3.61730630e+01, 1.93403247e+00, 9.45983062e+00,
                4.90887933e+00, 6.43916189e+00, 6.43883364e+00, 1.40084040e+01,
                1.59786832e+01, -5.56072051e-01, -5.56072051e-01, 8.16738815e+01,
                2.92372531e+00, -5.67888999e-01, 9.60203330e-01, 7.41802698e+00,
               -5.56072051e-01, 8.91561000e+00, 1.47362965e+01, 3.92598246e+00,
                6.94463110e+00, -5.56072051e-01, 8.16738815e+01, 8.16738815e+01,
                8.16738815e+01, 2.54429094e+01, 3.59877965e+01, 8.16738815e+01,
                8.16738815e+01, 1.40204216e+01, 8.93295392e+00, -5.56072051e-01,
               -5.56072051e-01, -5.56072051e-01, -5.67888999e-01, -5.56072051e-01,
               -5.56072051e-01, -5.56072051e-01, -3.97741327e-01, -5.56072051e-01,
               -5.56072051e-01, -7.43565300e-01, -7.26893939e-01, -5.56072051e-01,
               -5.56072051e-01, -5.56072051e-01, -5.56072051e-01, -5.56072051e-01,
               -5.56072051e-01, -6.05418873e-01, -7.43565300e-01, -5.56072051e-01,
               -5.56072051e-01, -5.67888999e-01, -5.56072051e-01, -5.56072051e-01,
               -5.56072051e-01, -5.67888999e-01, -5.56072051e-01, -5.56072051e-01])
In [97]: import eli5
        from eli5.sklearn import PermutationImportance
        perm = PermutationImportance(random_forest, random_state=1).fit(X, Y)
        eli5.show_weights(perm, feature_names = features)
Out[97]: <IPython.core.display.HTML object>
```

### 12 Advanced Model

```
In [98]: test_X = test_df[features]
    import lightgbm as lgb
    #Train and run the lgb model

def run_lgb(train_X, train_y, val_X, val_y, test_X):
    params = {
        "objective" : "regression", "metric" : "rmse", "num_leaves" : 30,
        "min_child_samples" : 100, "learning_rate" : 0.1, "bagging_fraction" : 0.7,
        "feature_fraction" : 0.5, "bagging_frequency" : 5, "bagging_seed" : 2018,
        "verbosity" : -1
    }

lgtrain = lgb.Dataset(train_X, label=train_y)
```

```
lgval = lgb.Dataset(val_X, label=val_y)
             model = lgb.train(params, lgtrain, 2000, valid_sets=[lgval], early_stopping_round
             pred_test_y = model.predict(test_X, num_iteration=model.best_iteration)
             pred_val_y = model.predict(val_X, num_iteration=model.best_iteration)
             return pred_test_y, model, pred_val_y
         X_train, X_test, y_train, y_test
         pred_test, model, pred_val = run_lgb(X_train, y_train, X_test, y_test, test_X)
Training until validation scores don't improve for 100 rounds.
[100]
             valid_0's rmse: 1.40951
Early stopping, best iteration is:
[89]
            valid_0's rmse: 1.40822
In [99]: #Make a csv of final predicted results
         submission = pd.DataFrame(
             {'key': test_df.paperTitle, 'Reach-Score': pred_test},
             columns = ['key', 'Reach-Score'])
         submission.to_csv('advanced_lgb.csv', index = False)
In [103]: test_df = test_df.sort_values(by='citation_count', ascending=False)
          test_df.head(10)
Out[103]:
              Authors
                           index id paperTitle Year Abstract citation_count
                                                                                  domain
                   54 1502.08029v5
                                           3013 2015
                                                                                       5
          33
                                                            2750
                                                                             443
                                                            5226
                                                                                       5
          63
                   31 1507.04808v3
                                           2169 2015
                                                                             433
          19
                   42 1605.09782v7
                                           1248 2016
                                                            3237
                                                                             357
                                                                                      17
          20
                   93 1606.03490v3
                                           8877 2016
                                                            3022
                                                                             346
                                                                                      10
          12
                    9 1604.00289v3
                                           2173 2016
                                                            2748
                                                                             346
                                                                                       5
          64
                   17 1508.04395v2
                                           3658 2015
                                                                             338
                                                                                       3
                                                            2274
          67
                   81 1509.06664v4
                                           7476 2015
                                                            5650
                                                                             329
                                                                                       5
          51
                   30 1511.05234v2
                                           1825 2015
                                                            4902
                                                                             264
                                                                                       5
          14
                                                                                      15
                   80 1604.06057v2
                                           4562 2016
                                                            2190
                                                                             215
          62
                   71 1506.08909v3
                                           8959 2015
                                                            4346
                                                                             206
                                                                                       5
              domain_score
          33
                         0
          63
                         0
          19
                         0
          20
                         0
          12
                         0
          64
                         0
          67
                         0
          51
                         0
          14
                         0
          62
                         0
```