How institutions can use ReCiter to provide machine learning-based publications management as an enterprise service

Sarbajit Dutta, Paul Albert, and Terrie Wheeler

September 5, 2019

How can a library make a contribution to its academic institution?

Weill Cornell Medicine

User Need #1

Awareness of the latest publications

From: Sribindu Pisupati <srp4001@med.cornell.edu>
Date: Tuesday, January 29, 2019 at 12:11 PM
To: Terrie Wheeler <tew2004@med.cornell.edu>
Subject: Recent Publications?

Hi Terrie,

I hope you're well! My name is Bindu and I work under Dr. Brown as the Office of Research's Communications Project Manager. We're currently working on getting out a newsletter every few weeks for all of WCM…and one of our goals for that newsletter is to summarize the recent research publications by WCM faculty. Dr. Brown said you could be of help!

I was wondering if you (or any of your colleagues) would be able to send me a list of the January 2019 publications by WCM faculty—we'd like to put the title, name of faculty, and short link to the publication itself, if possible. Could you let me know if that's doable? Thank you so much.

Bindu

Sribindu (Bindu) Pisupati, M.Ed, MPH
Communications Project Manager

Weill Cornell Medicine
Office of Research
413 E. 69th Street
New York, NY 10021
T: (646) 962-7572
srp4001@med.cornell.edu

Office of Research

Dept. of Medicine

From: Kristen E. Bloom <kebloom@med.cornell.edu>
Sent: Wednesday, August 28, 2019 8:23 AM
Subject: Research paper highlights for "What's New In Medicine"

Please let me know of up to three research papers published in your division from July–August 2019, if you would li
include them in the next edition of "What's New In Medicine." We will need the following information:

- Name of Author(s)
- Title of Paper
- Journal
- Date
- PMID Number

Please send me your submissions by Friday, September 6 at 5 pm.

Best regards,
Kristen

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User Need #2

Lists of publications written by members of a center or other unit

Cancer Center

Kate Carbonell March 11, 2019 at 11:12 AM

Publication Report

To: Paul J Albert

Siri found new contact info in this email: Kate Carbonell kac2051@med.cornell.edu add to Contacts...

Hi Paul,

I hope this email finds you well. I wondered if I may be able to get a report on publications for 2015 - current. The previous reports we have received were organized by:

a. By author: CWID, surname, givenName, authorRank[first/last], program
b. By article: publicatonType, authors, articleTitle, journal, doi, pages, volumes, issue, coverDate, pmid, HighImpactJournal, Program1(#), Program2(#),Program3(#),Program4(#)

Given the reporting period is over a few years, it would be helpful to also have the report organized by year.

I have an additional request, which I'm not sure will be feasible, however, would it possible to indicate whether each publication is inter- or intra- programmatic? An inter-publication would be defined as a publication where there are two or more authors from different Research Programs and an intra-publication would be defined as a publication where there are two or more authors from the same Research Program. In addition, if a publication meets both inter- and intra- criteria, it should be counted as both. I'm happy to explain this over the phone, if it is not clear.

Also attached is the membership list, including program affiliation that we would like to use to run the report.

User Need #3

Lists of publications written by individuals who are loosely affiliated, e.g., residents in a department, alumni, members of our CTSC

Paul J Albert
January 23, 2018 at 5:34 PM
Details
PA

Publications by Pediatrics residents

To: Erika Abramson, Cc: Terrie Rose Wheeler, Michael Eliot Bales

Hi Erika,

It looks like our source database has 63 publications on record by Pediatrics residents, past or present. And we have 625 Pediatrics residents although I'm not certain we successfully excluded west campus / Columbia users. (This is harder to do for inactive residents.)

Attachment #1 are the publications. Attachment #2 are the residents themselves.

There are a lot of different directions we could go, so we'd be interested in your feedback.

thanks,
Paul

Paul Albert
Identity Services Product Manager

Weill Cornell Medicine
Information Technologies & Services
1300 York Avenue, Room D-120D
New York, NY 10065

T. 646.962.2551

paa2013@med.cornell.edu

Pediatrics

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User Need #4

Lists of publications written by a unit for a grant renewal

Anna Smyth Inbox - Exchange Yesterday at 3:30 PM

RE: I need last three years publications of Dr. Choi labs needed for three years renewal ORGAN INJURY IAC... Details

AS

To: Shivraj Tyagi, Cc: Michelle LoPiccolo, Paul J. Albert

Hi Shiva,
Michelle and I can check prior progress reports to find publications assigned to the grant but we would need to know exactly which grant/project you need the information for.

Perhaps Paul Albert from library copied here may better assist with this request as his team is working on creating more comprehensive publications list per PI.

Also, Pub Med is a good source to start.

Anna

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User Need #5

Avoid the need to contact individual faculty about what publications they wrote

David J. Christini Inbox - Exchange 3:16 PM DC

Fwd: [CARDIOCLINICALFACULTY] Publication from FY18 (July 1, 2017 – June 30, 2018)

To: Paul Albert

Hi Paul,

Periodically, I (and other faculty) receive emails like the following. Seems like Dr. Lerman should know that there is now a way to get this information automatically … right?

Would you mind sending me a brief snippet that I can use to send to Julie Rodriguez on how they can do this automatically going forward, as long as they have a list of faculty?

Thanks.

-David

> **From:** "Julie A. Rodriguez" <jap2024@MED.CORNELL.EDU>
> **Subject:** **[CARDIOCLINICALFACULTY] Publication from FY18 (July 1, 2017 – June 30, 2018)**
> **Date:** January 16, 2019 at 3:05:56 PM EST
> **To:** <CARDIOCLINICALFACULTY@MED.CORNELL.EDU>
> **Reply-To:** "Julie A. Rodriguez" <jap2024@MED.CORNELL.EDU>
>
> Dear Faculty,
>
> On behalf of Dr. Lerman, please send directly to me your publications from **FY18 (July 1, 2017 – June 30, 2018)** by Friday, January 25th, 2019. Thank you in advance.
>
> Best Regards,
>
> **Julie Rodriguez**
> Senior Administrative Aide to:
>
> **Bruce B. Lerman, M.D.**

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Here's what we know about one PI

Name variants
- Jochen Buck

Years of Degree
- MD - 1983
- PhD - 1984

NIH Grant #s
- 038722
- 055255
- 059913
- 062328
- 064842
- 025810
- 062948
- 073546

Department(s)
- Pharmacology
- Biochemistry

Current/prior affiliations
- Weill Cornell Medical College
- Weill Graduate School of Medical Sciences
- Memorial Sloan-Kettering Cancer Center
- Cornell University

Email
- jobuck@med.cornell.edu
- [personal email] (not shown)

Relationships
- Alexander M Stessin (co-investigator/mentor)
- Ana Diaz (co-investigator)
- Carl Nathan (co-investigator)
- Eric ***** (mentee)
- Erin M ***** (mentee)
- Jacob Bitterman (co-investigator)
- Jacob Louis Bitterman (mentee)
- James A. ***** (co-investigator/ mentee)
- Jeanne Marie ***** (mentee)
- Jonathan J ***** (mentee)
- Jonathan ***** (mentee)
- Kenneth ***** (mentee)
- Kenneth Hess (co-investigator)
- Kirk W. Deitsch (co-investigator)
- Laureen Colis (employee in same unit)
- Lavoisier S. Ramos (co-investigator)
- Lonny R. Levin (co-investigator/ employee in same unit)
- Margarita ***** (mentee)
- Martin Tresguerres (co-investigator)
- Mime Kobayashi (co-investigator)
- Nawreen Rahman (co-investigator/ mentee)
- Nicole B. ***** (mentee)
- Samie R. Jaffrey (co-investigator)
- Tatiana Litvin (co-investigator)

ReCiter is an open source enterprise publications management system.

Demonstration!

Components

Component	Function
Harvesting engine	Retrieve and store records by name, identifier, etc. from various sources
Source connectors	Set of functions for transforming and standardizing raw data from a source system
Author disambiguation service	Use what is known about target individuals to compute suggested records associated with them
Citation disambiguation service	Use some combination of identifiers or other logic to prevent the creation of duplicate citations in a single system that exist in multiple source feeds
Curation interface	Improve metadata as needed
Author feedback interface	User interface for collecting feedback from target individuals or administrators

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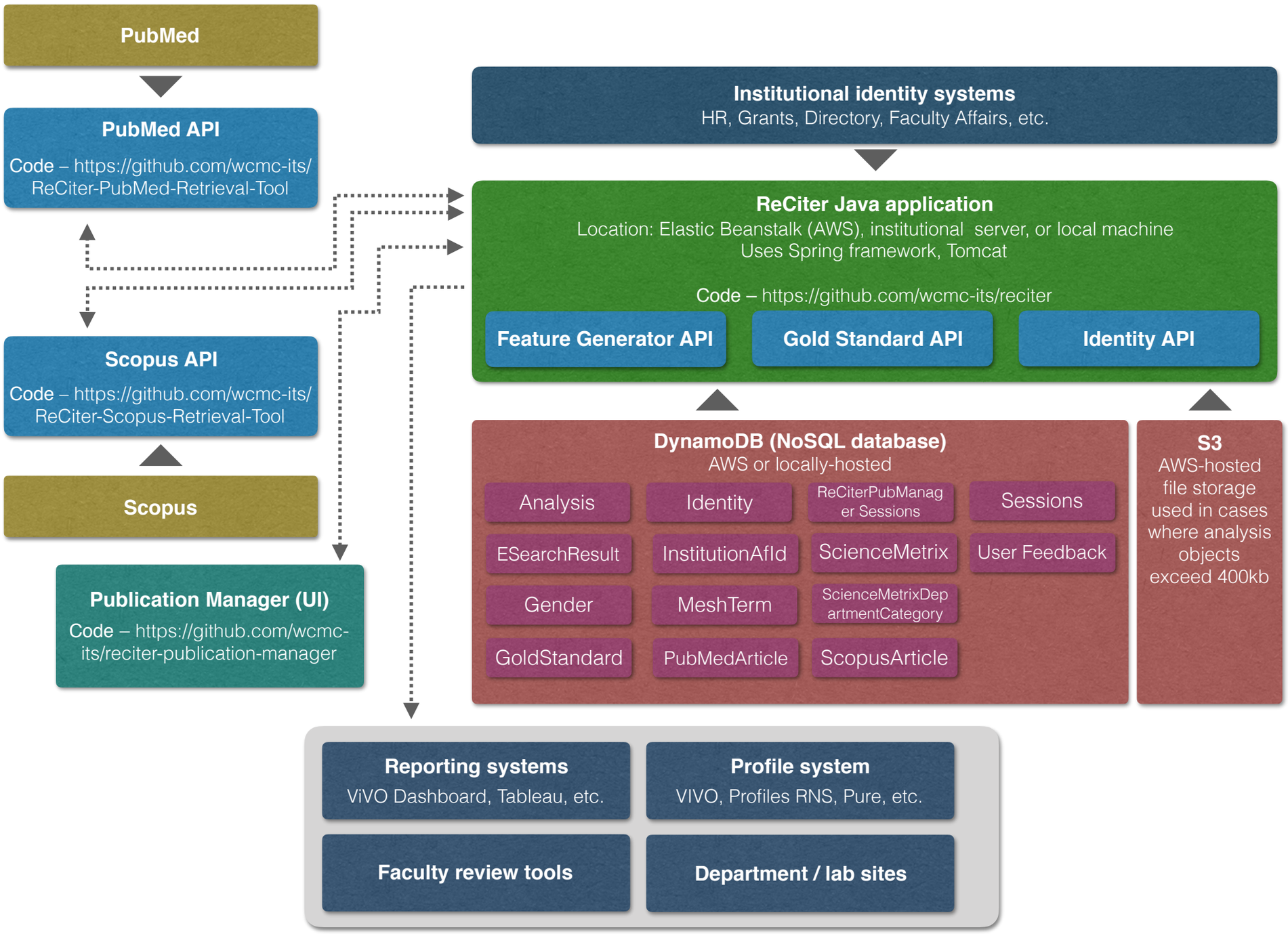
ReCiter architectural diagram



Key

- External systems
- Institutional systems
- Database tables
- Data storage
- Java application
- APIs
- React / NodeJS application

ReCiter insulates developers from quirks

```
<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE eSearchResult PUBLIC "-//NLM//DTD esearch 20060628//EN" "https
/eutils/dtd/20060628/esearch.dtd">
<eSearchResult>
    <Count>2</Count>
    <RetMax>3</RetMax>
    <RetStart>0</RetStart>
    <QueryKey>1</QueryKey>
    <WebEnv>NCID_1_186540835_130.14.22.33_9001_1555080549_1466565531_0Me
    <IdList/>
    <TranslationSet/>
    <TranslationStack>
        <TermSet>
            <Term>2007/01/01[PDAT]</Term>
            <Field>PDAT</Field>
            <Count>0</Count
            <Explode>N</Exp
        </TermSet>
        <TermSet>
            <Term>2009/01/0
            <Field>PDAT</Fi
            <Count>0</Count
            <Explode>N</Exp
        </TermSet>
        <OP>RANGE</OP>
        <TermSet>
```

PubMed throttles requests. Dealing with these throttles requires parsing headers and other fanciness.

Scopus sometimes includes duplicate authors.

https://api.elsevier.com/content/search/scopus?query=pmid(15489953)&insttoken=d44a983...

Search by name or XPath

```
▶ <author seq="7">
▼ <author seq="7">
    <author-url> https://api.elsevier.com/content/author/author_id/7202354932 </author-url>
    <authid> 7202354932 </authid>
    <authname> Patterson C. </authname>
    <surname> Patterson </surname>
    <given-name> Cam </given-name>
    <initials> C. </initials>
    <afid> 60025111 </afid>
    <afid> 60025111 </afid>
    <afid> 60025111 </afid>
    <afid> 60025111 </afid>
    <afid> 60025111 </afid>
  </author>
▶ <author seq="7">
  <author seq="7">
```

ReCiter insulates developers from quirks (cont'd)


```
{
    "pmid": 20705797,
    "pmcid": "PMC2998206",
    "totalArticleScoreStandardized": 10.0,
    "totalArticleScoreNonStandardized": 14.18,
    "userAssertion": "ACCEPTED",
    "publicationDateDisplay": "2010 Aug 12",
    "publicationDateStandardized": "2010-08-12",
    "datePublicationAddedToEntrez": "2010-08-14",
    "doi": "10.1378/chest.09-2634",
    "publicationType": {
        "publicationTypeCanonical": "Academic Article",
        "publicationTypePubMed": [
            "Comparative Study",
            "Journal Article",
            "Research Support, N.I.H., Extramural"
        ],
        "publicationTypeScopus": {
            "publicationTypeScopusAbbreviation": "ar",
            "publicationTypeScopusLabel": "Article"
        }
    },
    "timesCited": 33,
    "publicationAbstract": "BACKGROUND: The aldo-keto reductase (AKR) gene superfami
        phosphate-dependent oxidoreductases that mediate elimination reactions. AKR1
        metaplasia and non-small cell lung cancer and has been suggested as a diagnos
        of AKR1B10 expression may be initiated in healthy smokers prior to the develo
        level using microarrays with TaqMan confirmation in the large airway epitheli
        nonsmokers, 58 healthy smokers) obtained by fiberoptic bronchoscopy and brush
        upregulated in both large and small airway epithelia of healthy smokers. Cons
```


Outputs a display date and a standardized (sortable) date.

Computes a "canonical" publication type.

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Swagger UI makes writing queries straightforward

GET `/reciter/feature-generator/by/uid` Feature generation for UID.

This api generates all the suggestion for a given uid along with its relevant evidence.

Parameters Cancel

Name	Description
uid * required `string` *(query)*	uid paa2013
totalStandardizedArticleScore `number` *(query)*	totalStandardizedArticleScore 5
useGoldStandard `string` *(query)*	useGoldStandard FOR_TESTING_ONLY
filterByFeedback `string` *(query)*	filterByFeedback ALL
analysisRefreshFlag `boolean` *(query)*	analysisRefreshFlag false
retrievalRefreshFlag `string` *(query)*	retrievalRefreshFlag ONLY_NEWLY_ADDED_PUBLICATIONS
api-key	

fields
`string`
(query)

Fields to return (e.g., reCiterArticleFeatures.pmid,reCiterArticleFeatures.publicationType.publicationTy

fields - Fields to return (e.g., reCiterArticleFeatures.pmid,re

Execute Clear

Responses Response content type

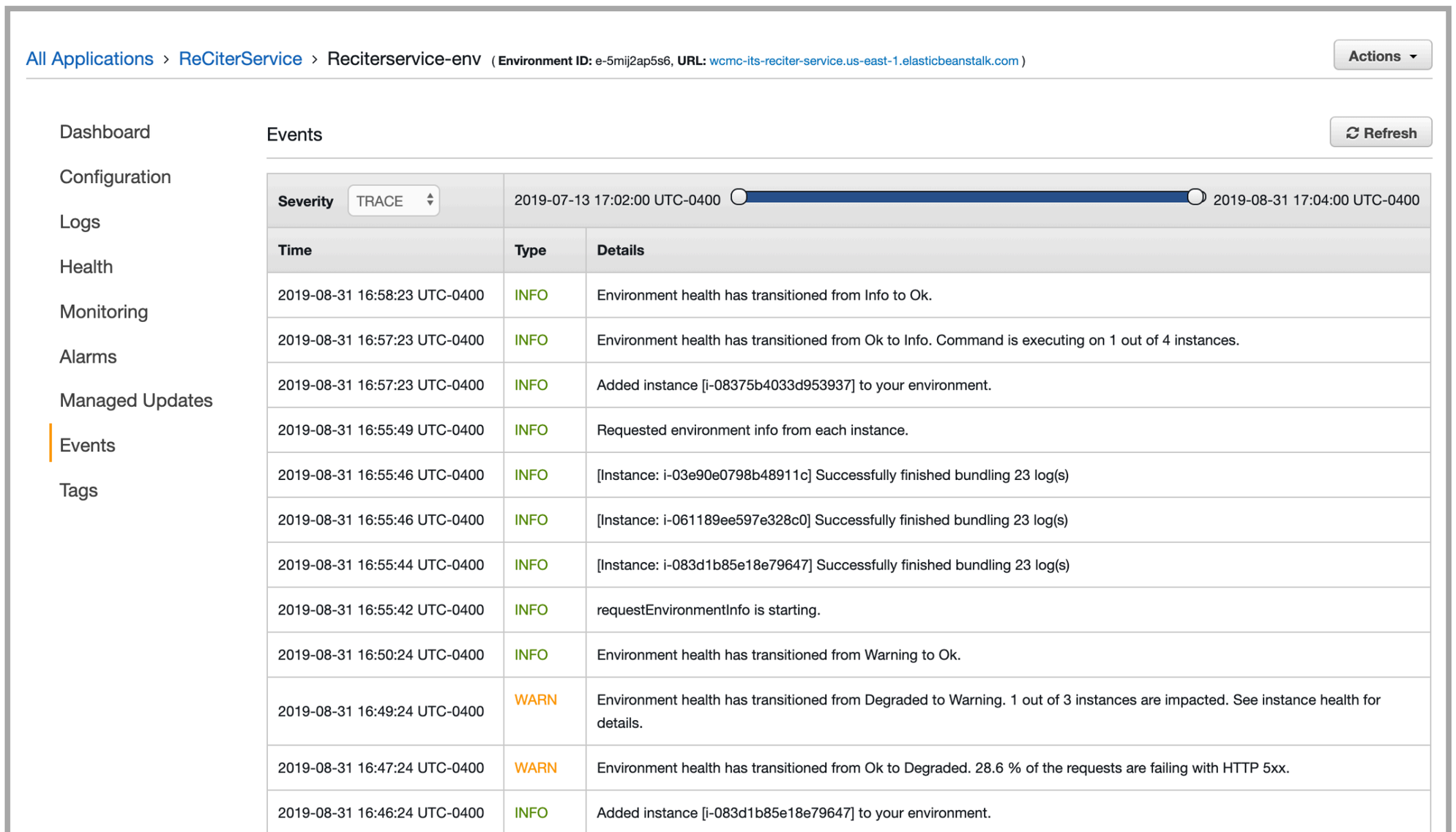
Curl

```
curl -X GET "https://reciter.weill.cornell.edu/reciter/feature-generator/by/uid?
uid=paa2013&totalStandardizedArticleScore=5&useGoldStandard=FOR_TESTING_ONLY&filterByFeedback=ALL&analysisRefreshFlag=false&retriev
ED_PUBLICATIONS" -H "accept: application/json" -H "api-key: xxxxxxxx"
```

Request URL

```
https://reciter.weill.cornell.edu/reciter/feature-generator/by/uid?
uid=paa2013&totalStandardizedArticleScore=5&useGoldStandard=FOR_TESTING_ONLY&filterByFeedback=ALL&analysisRefreshFlag=false&retriev
LY_ADDED_PUBLICATIONS
```

ReCiter leverages AWS's managed infrastructure creating point-in-time backups, spawning new instances as necessary, auto-updating software, etc.



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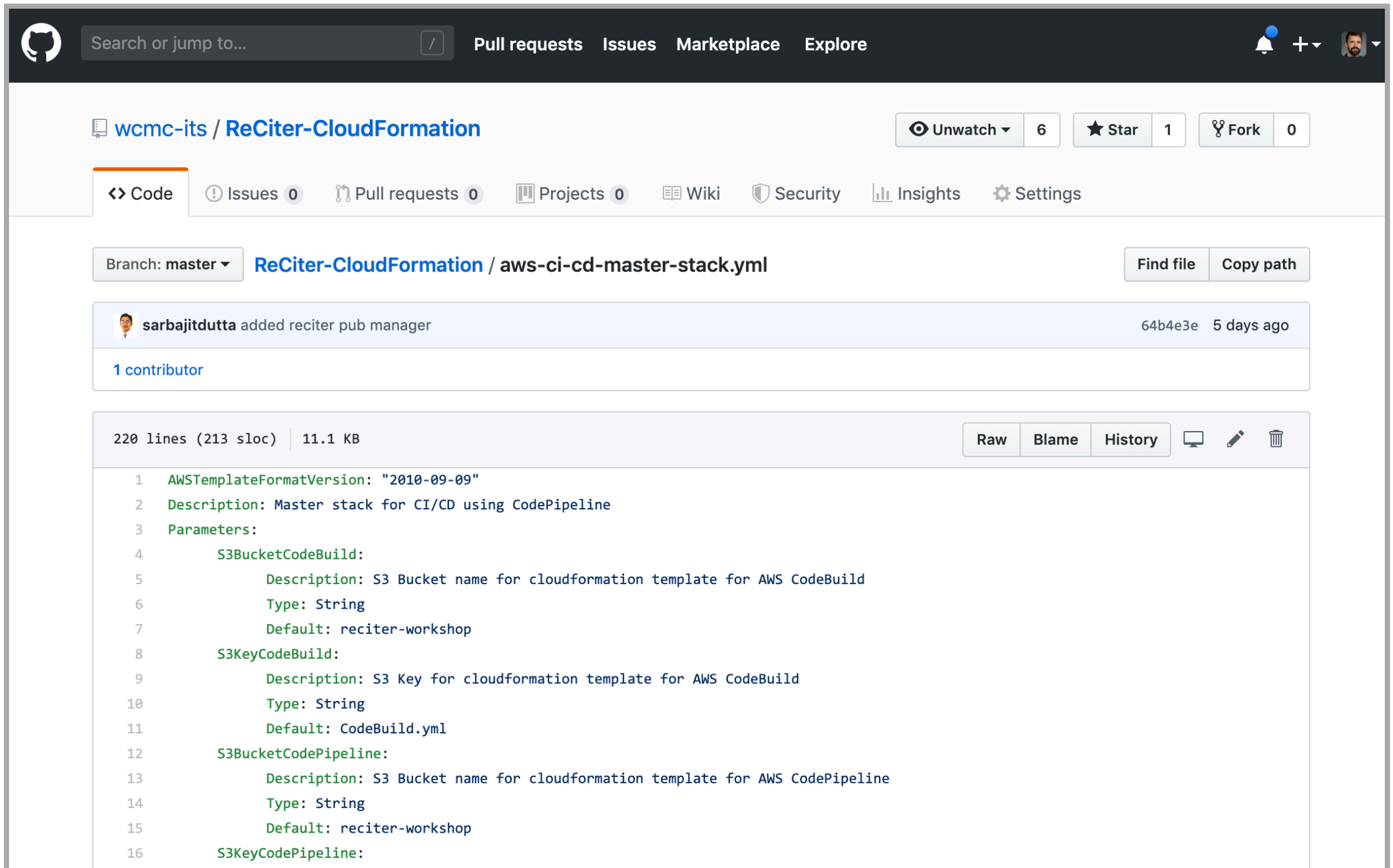
ReCiter can be installed on AWS using CloudFormation templates

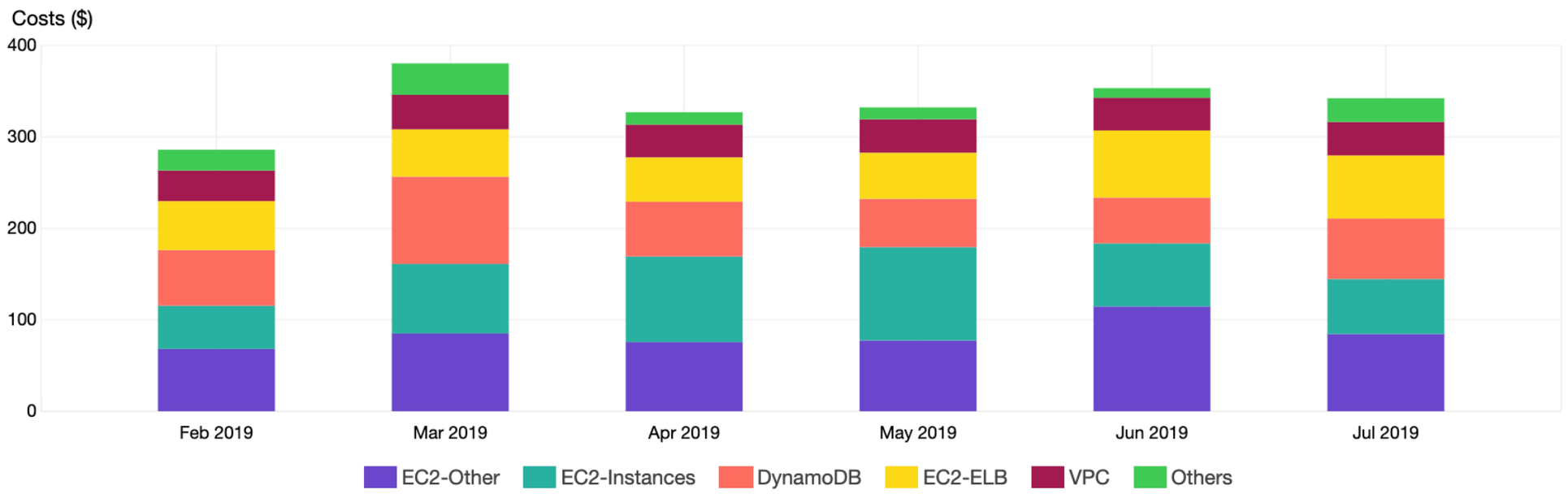


Hosting costs for WCM

Monthly costs by linked account

Last 6 Months | Monthly | Stack

Group by: Service | Linked Account | Region | Instance Type | Usage Type | Tag | API Operation | Availability Zone | Platform | More

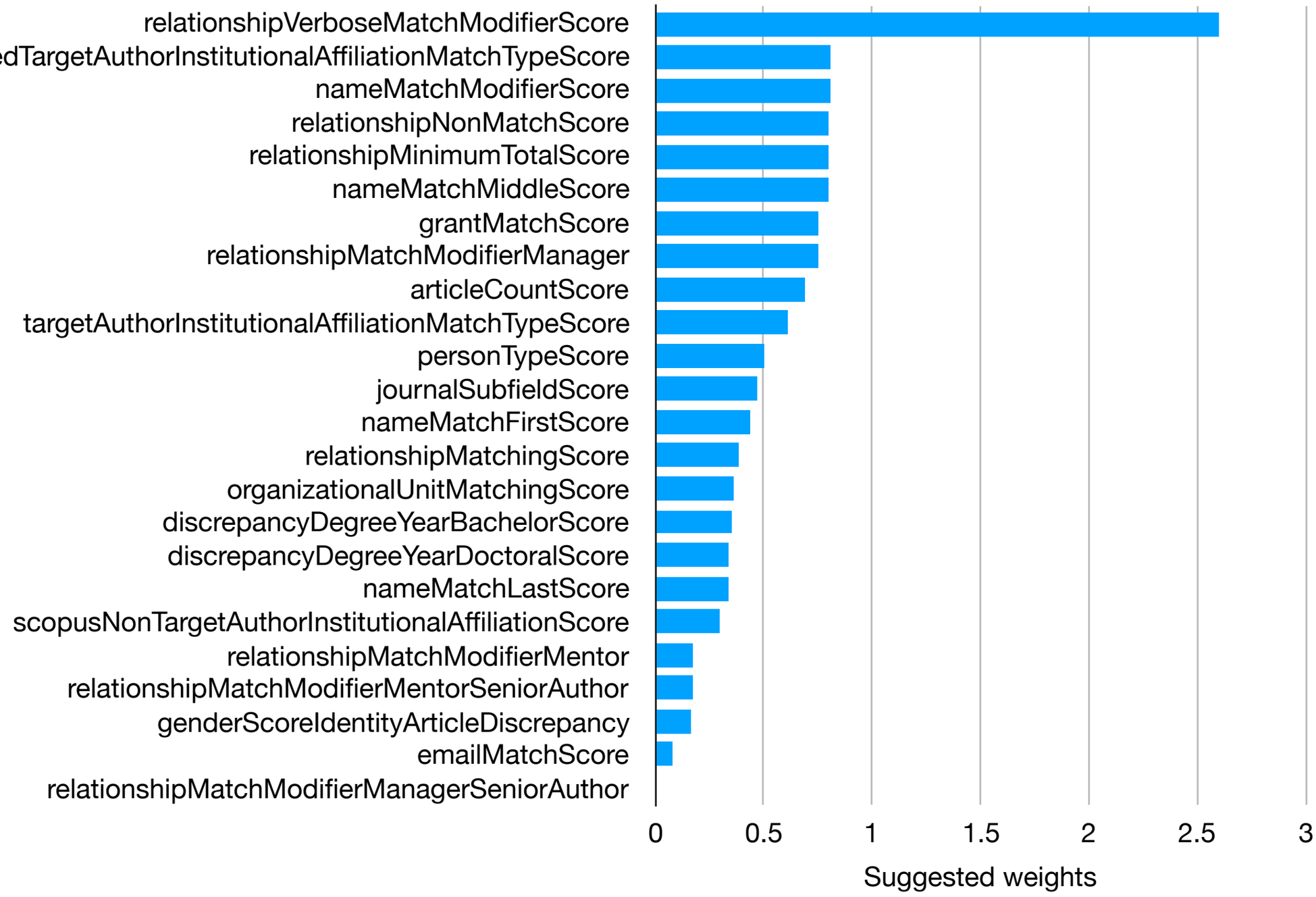


To see usage data, filter by “Usage Type” or “Usage Type Group” filters with matching units (e.g., hours).

Download CSV

Service	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019
Total cost ($)	286.01	380.40	326.94	332.28	353.36
EC2-Other ($)	68.19	85.14	75.81	77.51	114.66
EC2-Instances ($)	47.31	75.93	93.50	102.06	68.97
DynamoDB ($)	60.67	95.51	59.77	52.76	50.05

Suggested factor by which to modify values of existing weights



Scores are optimized based on computations from a support vector machine

```
129
130 ### Name evidence ###
131
132 ## Each candidate targetAuthor is scored individually for similarity to the person of interest.
133 ## For more, see https://github.com/wcmc-its/ReCiter/wiki/How-ReCiter-works#Name-evidence
134 nameMatchFirstType.full-exact=1.852
135 nameMatchFirstType.inferredInitials-exact=0.441
136 nameMatchFirstType.full-fuzzy=0
137 nameMatchFirstType.noMatch=-0.441
138 nameMatchFirstType.full-conflictingAllButInitials=-2.646
139 nameMatchFirstType.full-conflictingEntirely=-3.087
140 nameMatchFirstType.nullTargetAuthor-MatchNotAttempted=-1.323
141 nameMatchLastType.full-exact=0.664
142 nameMatchLastType.full-fuzzy=0.332
143 nameMatchLastType.full-conflictingEntirely=-0.996
144 nameMatchLastType.nullTargetAuthor-MatchNotAttempted=-0.996
145 nameMatchMiddleType.full-exact=1.588
146 nameMatchMiddleType.exact-singleInitial=1.191
147 nameMatchMiddleType.inferredInitials-exact=0.794
148 nameMatchMiddleType.noMatch=-0.794
149 nameMatchMiddleType.full-fuzzy=0
150 nameMatchMiddleType.full-conflictingEntirely=-1.588
151 nameMatchMiddleType.nullTargetAuthor-MatchNotAttempted=-1.588
152 nameMatchMiddleType.identityNull-MatchNotAttempted=0.794
153 nameMatchModifier.incorrectOrder=-0.804
154 nameMatchModifier.articleSubstringOfIdentity-lastName=-0.804
155 nameMatchModifier.articleSubstringOfIdentity-firstMiddleName=-0.804
156 nameMatchModifier.identitySubstringOfArticle-lastName=-1.608
157 nameMatchModifier.identitySubstringOfArticle-firstName=-1.608
158 nameMatchModifier.identitySubstringOfArticle-middleName=-0.804
159 nameMatchModifier.identitySubstringOfArticle-firstMiddleName=-0.804
```

Figure 1. Before weight optimization

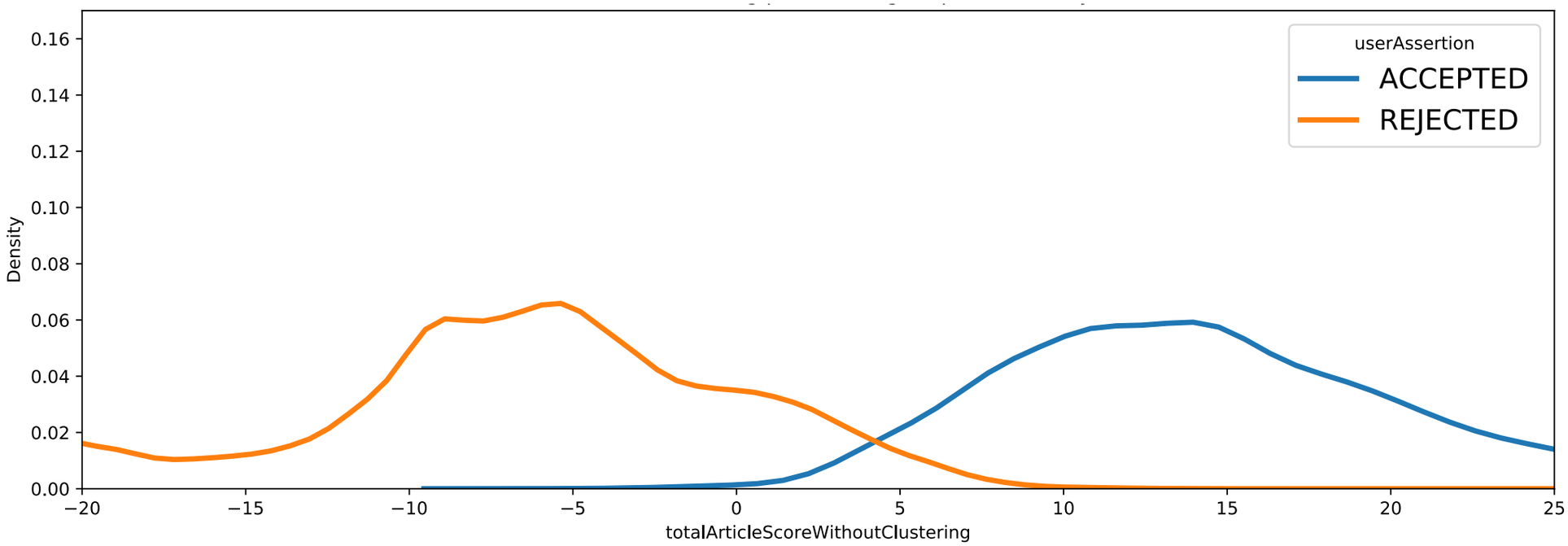
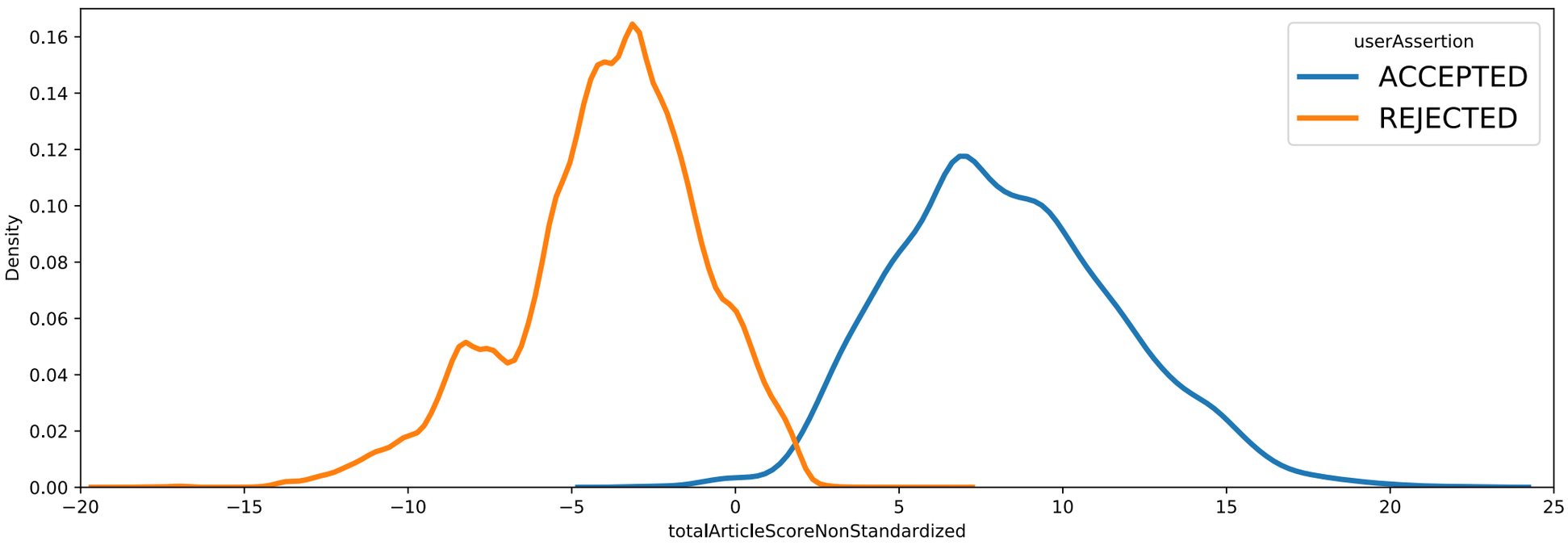
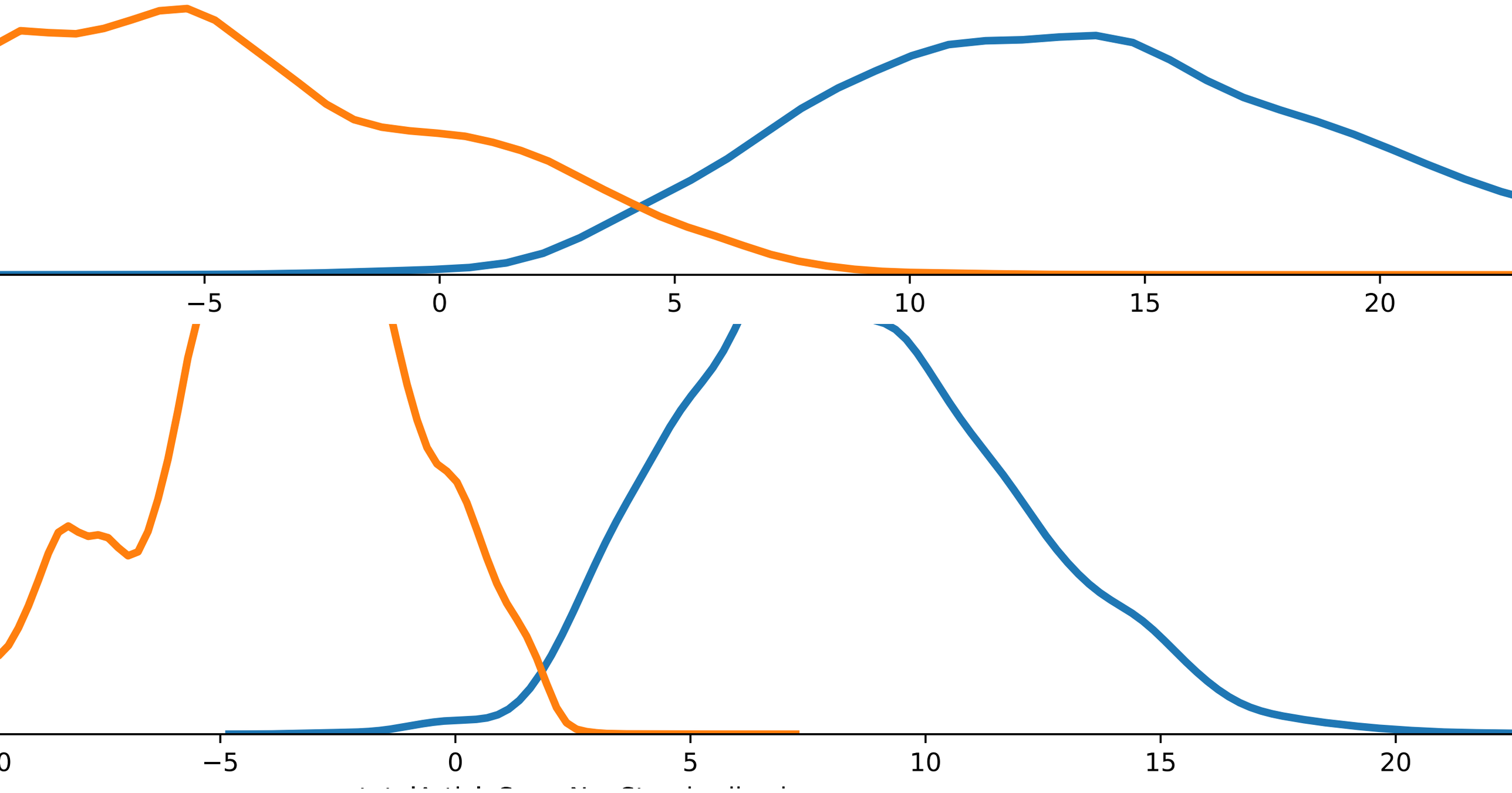


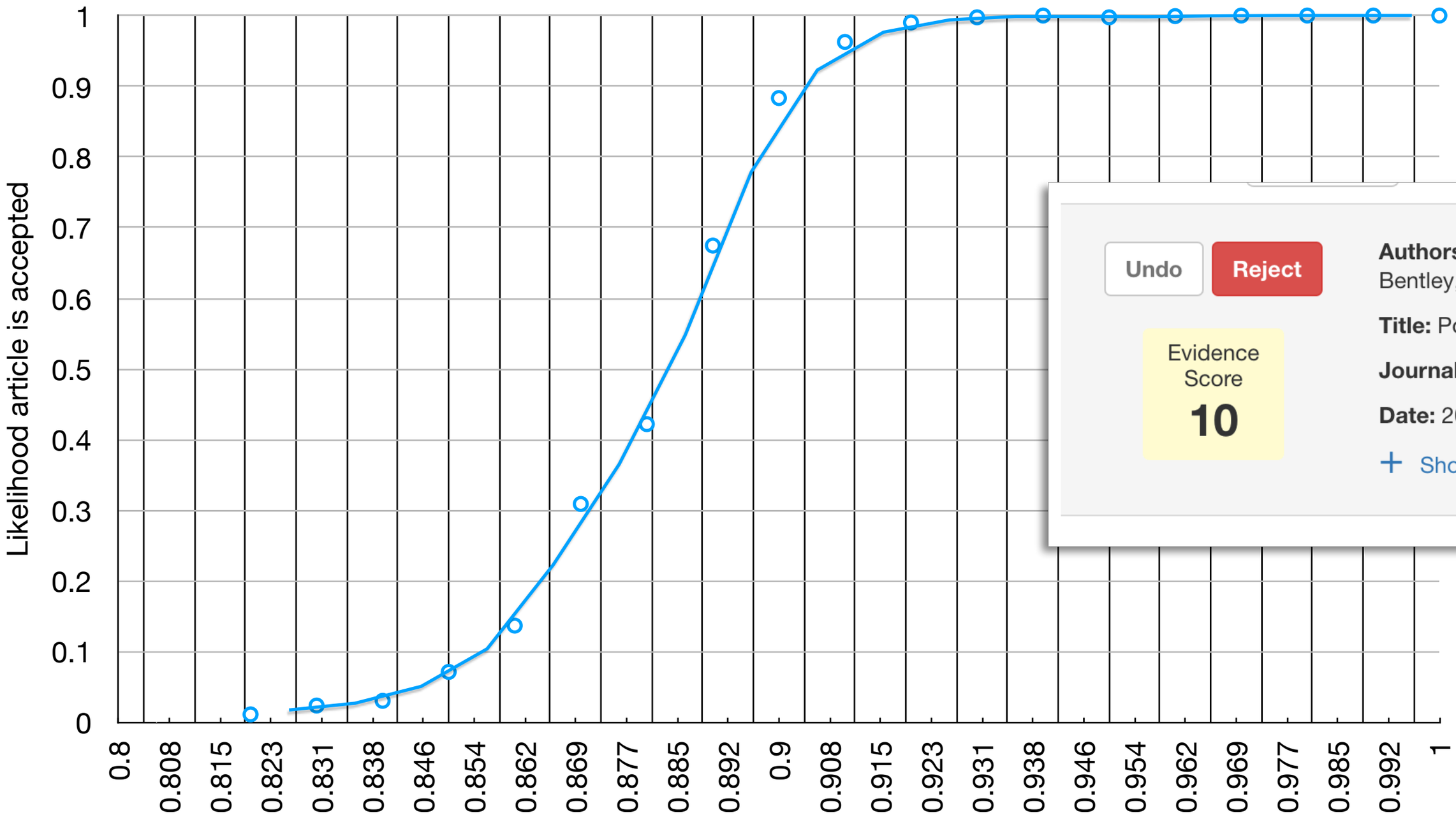
Figure 2. After weight optimization

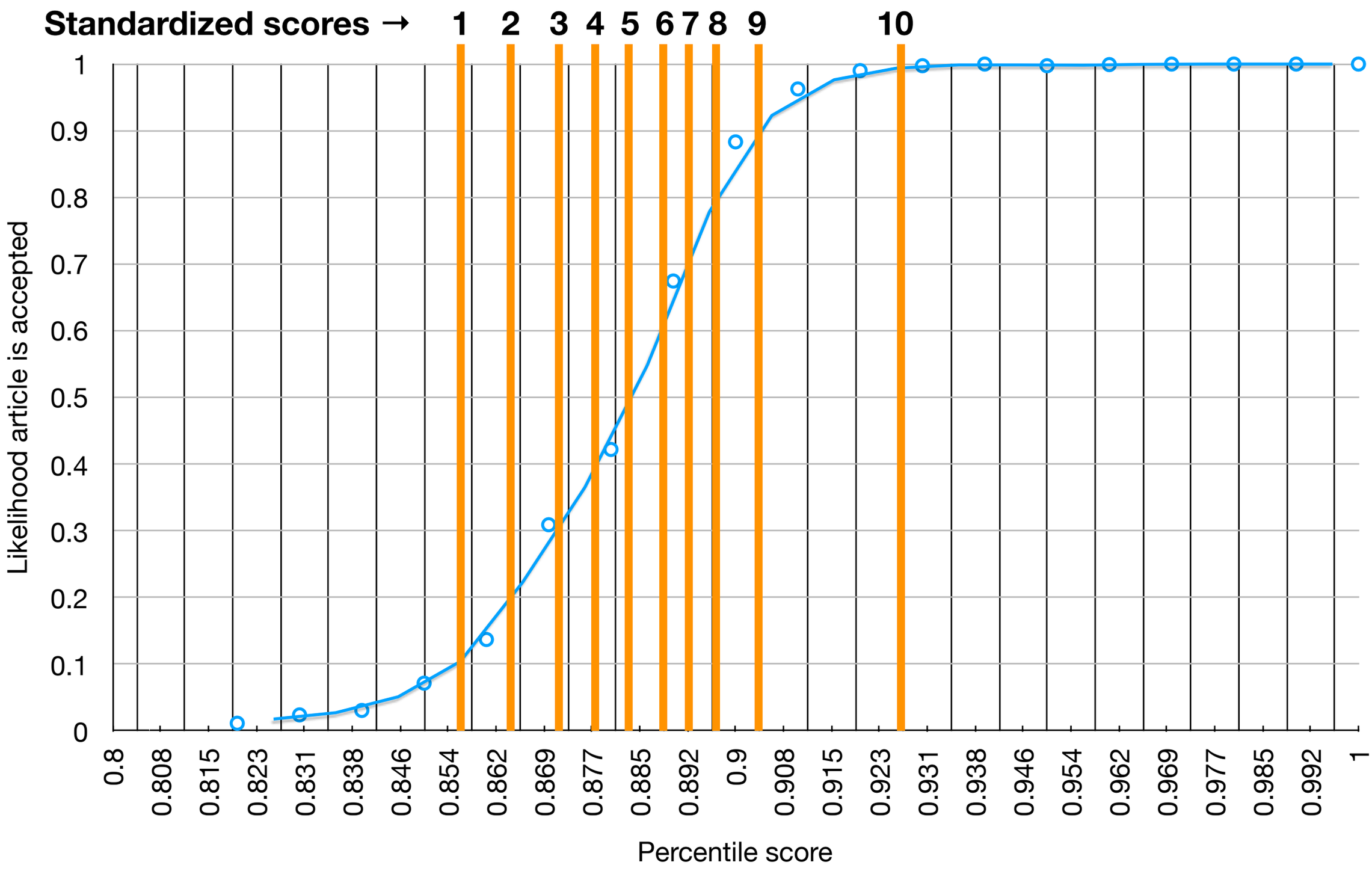


Close up, using same scale, of Figures 1 and 2



Given the percentile of a certain evidence score in ReCiter, how likely is it that the article is accepted?




Standardized scores →
1
2
3
4
5
6
7
8
9
10
Likelihood article is accepted
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0.8
0.808
0.815
0.823
0.831
0.838
0.846
0.854
0.862
0.869
0.877
0.885
0.892
0.9
0.908
0.915
0.923
0.931
0.938
0.946
0.954
0.962
0.969
0.977
0.985
0.992
1
Percentile score

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Using ReCiter to create publication current awareness reports

NewPubs

TrendingPubs

NewPubs report

NewPubs Report - July 1, 2019

File Edit View Insert Format Data Tools Add-ons Help All changes saved in Drive

Share

	A	B	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	id	surname	givenNam	pmid	articleTitle	rank	totalAuthorCou	firstLast	publicationType	datePublication	JournalImpactF	primaryTitle	primaryAcadem	primaryAcadem	primaryProgram	fullTimeFaculty	studentM
2	cha2022	Abi Khalil	Charbel	31182109	Akt-activated enc	6	9		Academic Article	2019-06-12	4.098	Associate Profes	Genetic Medicine			✔	
3	nia2014	Adams	Nicholas	31103381	Cytomegalovirus	1	14	first	Academic Article	2019-05-20	21.522	Medical Student			MD-PhD Program		
4	cha9043	Afaneh	Chegueva	31292891	Treatment Utiliza	8	8	last	Academic Article	2019-07-12	2.686	Assistant Profess	Surgery			✔	
5	cha9043	Afaneh	Chegueva	31325662	Lessons Learned	2	5		Academic Article	2019-07-21	1.872	Assistant Profess	Surgery			✔	
6	haa2019	Al-Amin	Hassen	31130104	Cross-cultural ad	9	9	last	Academic Article	2019-05-28	1.558	Associate Profes	Psychiatry			✔	
7	nkaltork	Altorki	Nasser	31168591	Sublobar resectic	6	7		Academic Article	2019-06-07	3.847	Professor of Carc	Cardiothoracic Surgery			✔	
8	nia9069	Anandasabapathy	Niroshana	31207604	TOX is a critical r	18	27		Letter	2019-06-18	43.07	Associate Profes	Dermatology			✔	
9	sparre	Andersen	Olaf	31172948	Conformational d	6	7		Academic Article	2019-06-08	7.551	Professor of Phys	Physiology and Biophysics			✔	
10	sparre	Andersen	Olaf	31311825	In Memoriam: Da	1	4	first	Academic Article	2019-07-18	4.258	Professor of Phys	Physiology and Biophysics			✔	
11	dva9001	Avgerinos	Dimitrios	31177104	Metastatic Carcir	7	7	last	Review	2019-06-10	1.935	Assistant Profess	Cardiothoracic Surgery			✔	
12	job2060	Babich	John	31075798	Preclinical evalua	9	11		Academic Article	2019-05-11	1.27	Professor of Rad	Radiology			✔	
13	onb9003	Balogun	Onyinye	31046103	Shaping the Path	1	3	first	Article	2019-05-03	22.416	Assistant Profess	Radiation Oncology			✔	
14	chb9074	Barbieri	Christophe	31152158	Publisher Correct	14	39		Article	2019-06-02	25.455	Associate Profes	Urology			✔	
15	chb9074	Barbieri	Christophe	31243370	FOXA1 mutations	14	17		Letter	2019-06-28	43.07	Associate Profes	Urology			✔	
16	pbarie	Barie	Philip	31104069	Effect of a Recon	12	26		Conference Pape	2019-05-20	51.273	Professor of Surg	Surgery			✔	
17	pbarie	Barie	Philip	31132627	Disparities in Tim	3	6		Academic Article	2019-05-28	1.872	Professor of Surg	Surgery			✔	
18	alb9003	Borczuk	Alain	31050216	Immunocytochen	3	13		Review	2019-05-04	4.425	Professor of Path	Pathology and Laboratory Medicine			✔	
19	alb9003	Borczuk	Alain	31230114	Chondroid lipoma	4	6		Academic Article	2019-06-24	1.518	Professor of Path	Pathology and Laboratory Medicine			✔	
20	dib2015	Busselberg	Dietrich	31127362	The role of dietar	19	19	last	Review	2019-05-26	3.332	Prof of Physiol &	Physiology and Biophysics			✔	
21	dib2015	Busselberg	Dietrich	31200461	Why the Gold Sta	16	20		Review	2019-06-16	4.183	Prof of Physiol &	Physiology and Biophysics			✔	
22	dib2015	Busselberg	Dietrich	31226817	Anti-Cancer Ager	9	9	last	Review	2019-06-23	4.183	Prof of Physiol &	Physiology and Biophysics			✔	
23	dib2015	Busselberg	Dietrich	31291127	Health implicatior	6	6	last	Academic Article	2019-07-11	2.11	Prof of Physiol &	Physiology and Biophysics			✔	
24	dib2015	Busselberg	Dietrich	31323834	DNA Methylation	14	14	last	Review	2019-07-21	4.694	Prof of Physiol &	Physiology and Biophysics			✔	
25	dpc2003	Calderon	Diany Pao	31263107	Activating an ant	4	5		Academic Article	2019-07-03	11.878	Assistant Profess	Anesthesiology			✔	
26	rac9069	Charalel	Resmi	31103908	Propensity-match	2	9		Academic Article	2019-05-20	1.136	Assistant Profess	Radiology			✔	
27	bic9008	Chughtai	Bilal	31042112	Recurrent Uncon	5	14		Academic Article	2019-05-02	5.647	Associate Profes	Urology			✔	
28	jbc9004	Ciralsky	Jessica	31237739	Evaluation of sigr	4	5		Letter	2019-06-26	3.153	Associate Profes	Ophthalmology			✔	
29	gec9074	Crane	Genevieve	31141139	Molecular and Cy	13	16		Academic Article	2019-05-30	1.962	Assistant Profess	Pathology and Laboratory Medicine			✔	
30	nad2639	Dahmane	Nadia	31039818	Transcriptome sig	16	16	last	Academic Article	2019-05-02	5.883	Assistant Profess	Neurological Surgery			✔	
31	apd2004	DaRosa	Antonio	31258437	Involvement of in	1	6	first	Academic Article	2019-07-02	2.42	Assistant Libraria	Library			✔	

What is next?

Weill Cornell Medicine

ReCiter **Publications Management System**

John Smith

- **Find Scolar**
  - Individual
  - Group
- **Manage Publications**
  - **Review Suggestions**
  - Curate Publications
- **Manage Profile**
- **Reports**
  - List View
  - Export View
  - Impact Pictograph
  - Impact Table
- **Admin**
  - Settings
  - Control Access
  - FAQs

Review Suggestions

Jochen Buck, M.D.
Associate Professor of Physiology and Biophysics
Manage Profile

Suggested 3 | **Accepted 20** | Rejected 3

Add new record from PubMed

Accept All | Reject All

Filter..... | Sort by year | 50

Undo | ✕ Reject

Evidence Score **10**

Authors: Nawreen Rahman, Cavoisier Ramos-Espiritu, Teresa A. Miller, John Buck, Lonny R Levin

Title: Soluble adenylyl cyclase is essential for proper lysosomal acidification.

Journal: The Journal of general physiology

Date: 2016 Oct 01

+ Show evidence behind this suggestion

PubMed | GET IT

Undo | ✕ Reject

Evidence Score

Authors: Nawreen Rahman, Cavoisier Ramos-Espiritu, Teresa A. Miller, John Buck, Lonny R Levin

Title: Soluble adenylyl cyclase is essential for proper lysosomal acidification.

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- Impact Pictograph
- Impact Table

Admin
- Settings
- Control Access

Search for an individual

Find an individual

Enter name or CWID

Advanced Search: Clear All

Department: Pediatric Cardiology ×; Pediatric Anesthesiology ×; Pediatric Cardiothoracic Surgery ×

Affiliation: Affiliation Affiliation ×; Affiliation ×; Affiliation Affiliation ×

Person Type: Person Type Person ×

Status ◉ *Active* ○ *Inactive*: Active ×

11,201 records

Show records 20 | First | 10

Name	Operational Unit	Institutions
Jochen Buck, M.D. Associate Professor of Physiology and Biophysics	• Medicine • General Internal Medicine • Healthcare Policy and Research • Information Technologies and Services	• Weill Cornell Medical College, Corne York-Presbyterian Hospital • Browdoin College • Cornell University Medical College • Weill Cornell Medical College

Weill Cornell Medicine

Group view: Full-Time Faculty in Healthcare Policy & Research

The following are the top scoring publications (up to 1,500), which have no feedback, for the designated group, **Full-Time Faculty in Healthcare Policy & Research**. To see additional suggestions for this group, please accept or reject these.

1,021 publications

Filter... Show records 20 « 1 2 3 4 5 6 »

Rainu Kaushal Chairman of Healthcare Policy and Research

Profile Individual view

Accept Reject

Evidence Score **10**

Authors: Rainu Kaushal, Lisa M Kern, Yolanda Barrón, Jill Quaresimo, Erika L Abramson

Title: Electronic prescribing improves medication safety in community-based office practices.

Journal: Journal of general internal medicine

Date: 2010 Feb 26

+ Show evidence behind this suggestion

PubMed GET IT

Accept Reject

Evidence Score **10**

Authors: Rainu Kaushal, Rina Dhopeshwarkar, Lawrence Gottlieb, Harmon Jordan

Title: User experiences with pharmacy benefit manager data at the point of care.

Journal: Journal of evaluation in clinical practice

Date: 2010 Dec 01

+ Show evidence behind this suggestion

PubMed GET IT

Nathaniel Hupert Associate Professor of Healthcare Policy and Research

Profile Individual view

Accept Reject

Evidence Score **10**

Authors: Nathaniel Hupert, Daniel Wattson, Jason Cuomo, Eric Hollingsworth, Kristof Neukermans, Wei Xiong

Title: Predicting hospital surge after a large-scale anthrax attack: a model-based analysis of CDC's cities readiness initiative prophylaxis recommendations.

Journal: Medical decision making : an international journal of the Society for Medical Decision Making

Date: 2009 Jul 17

What is next? (cont'd)

- Work on UI
  - Manually add/edit pubs
  - Better search for individuals
  - Bulk review of suggestions
  - Reporting view / migrate VIVO Dashboard to AWS(?)
- Manage data from multiple bibliographic sources
- Build additional connectors and improve the ease of adding additional connectors (WorldCat, Web of Science, Microsoft Academic, ORCiD, CrossRef, Dimensions, etc.)
- Use machine learning for clustering
- Write a scholarly paper
- Get a grant to further develop and increase adoption

Weill Cornell Medicine

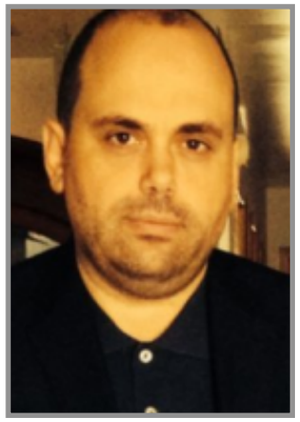
Development team

Sarbajit Dutta

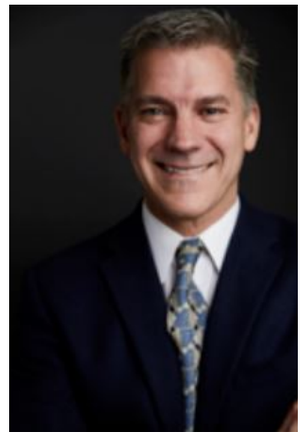
Viktar Yurkin

Terrie Wheeler

Jie Lin



Mohammad Mansour



Steve Johnson

Paul Albert

Michael Bales

Learn more!

- **Request an individual demo or ask us questions!**
  - Paul Albert - paa2013@med.cornell.edu
  - Sarbajit Dutta - szd2013@med.cornell.edu
  - Terrie Wheeler - tew2004@med.cornell.edu
- **Download the code!**
  - ReCiter core - https://github.com/wcmc-its/reciter/
  - PubMed Retrieval - https://github.com/wcmc-its/reciter-pubmed-retrieval-tool
  - Scopus Retrieval - https://github.com/wcmc-its/reciter-scopus-Retrieval-Tool
  - CloudFormation - http://github.com/wcmc-its/reciter-cloudFormation
  - Machine Learning - https://github.com/wcmc-its/reciter-machineLearning-Analysis