So Many Books, So Little Time: Using Algorithms to Map the Landscape of a Discourse

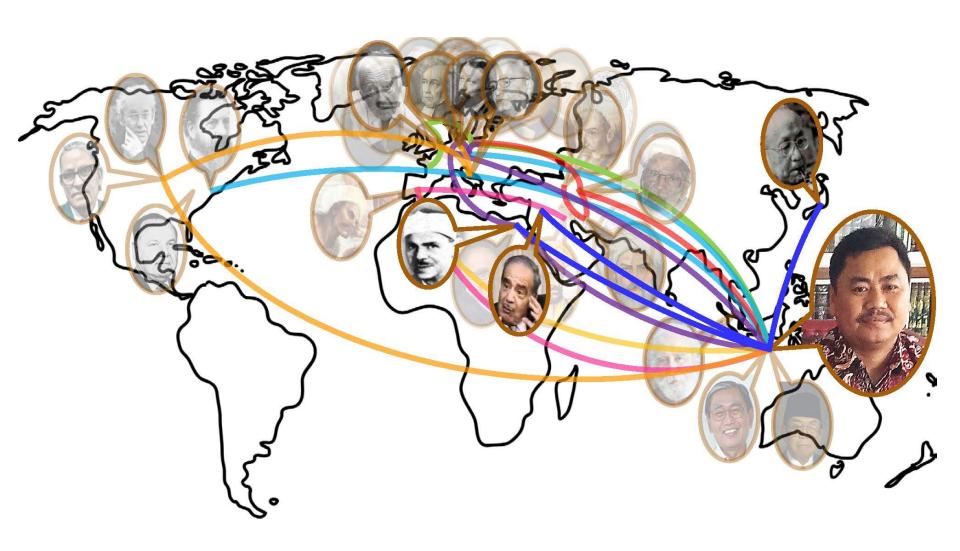
David Vishanoff, Associate Professor of Islamic Studies, University of Oklahoma Dave King, Founder & Chief Executive Officer, Exaptive

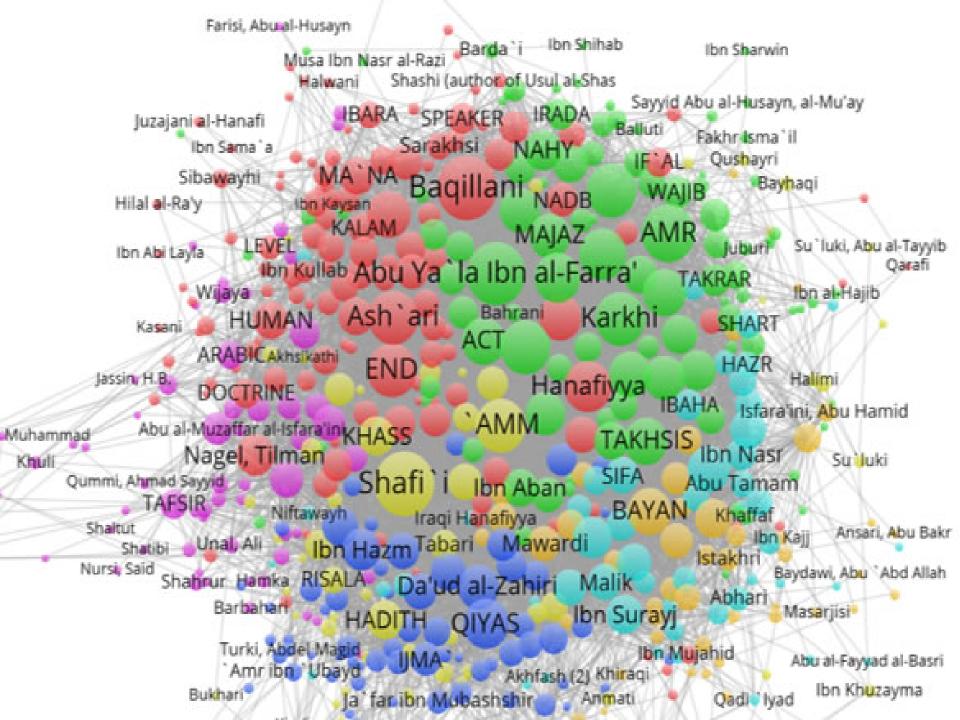
Cairo, November 12, 2018

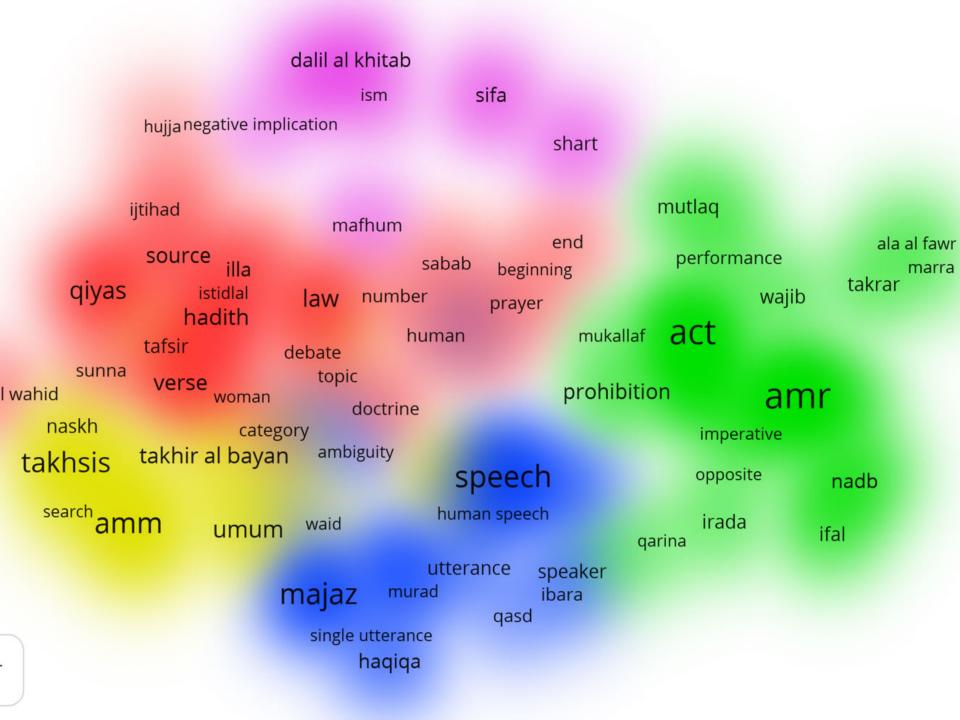
Bibliotheca Alexandrina and SIMAR conference "Big Data Analytics—Bridging the Gap between Theory and Practice"











Kalwadhani Hanbaliyya

mutakallimun

Razi, Fakhr al-Din

Ibn al-Qattan Tabari, Abu al-Tayyib

fugaha'

Saymari

Murtada, al-Sharif

Ka`bi/Balkhi

Abhari

Shihab, Muhammad Quraish

`Abd al-Jabbar

Ibn Abi Hurayra

COMMAND

Ibn Qutayba

Ibn Barhan, Abu al-Fath

Tabari

Abu al-Faraj al-Laythi Isfara'ini, Abu Hamid

CLARITY

Jubba'i, Abu `Ali

Marwazi

Zahiriyya

Kinani

Ibn al-Thalji

Tamimi Simnani Jassas al-Razi

Maturidi

Central Asian Hanafiyya

Ibn Khuwayzmindad

Baqillani

Ash ariyya Ibn `Abbas

Hanafiyya

Ibn al-Rawandi

GENERAL

Ibn Aban Farmawi

lbn Hazm Shafi`i

Bazdawi, Abu al-Yusr

Natiq bi-l-Haqq

Ibn al-Qassar

Iskafi LITERAL

Murji'a Dabusi

Qalanisi (Abu al- Abbas Ahmad

Qalanisi SPEECH Jurjani, Abu Abd Allah

Abu Shamir

Ibn Kullab

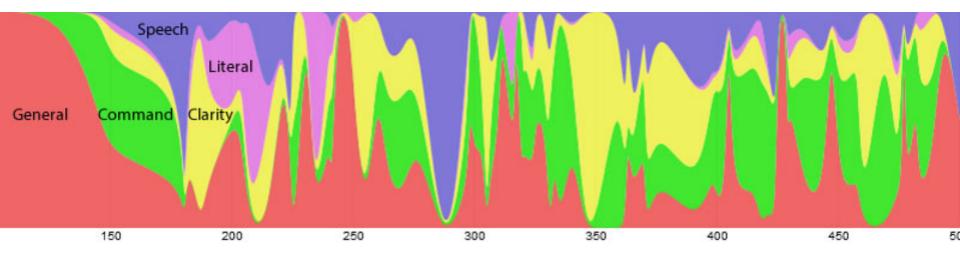
Kalbi

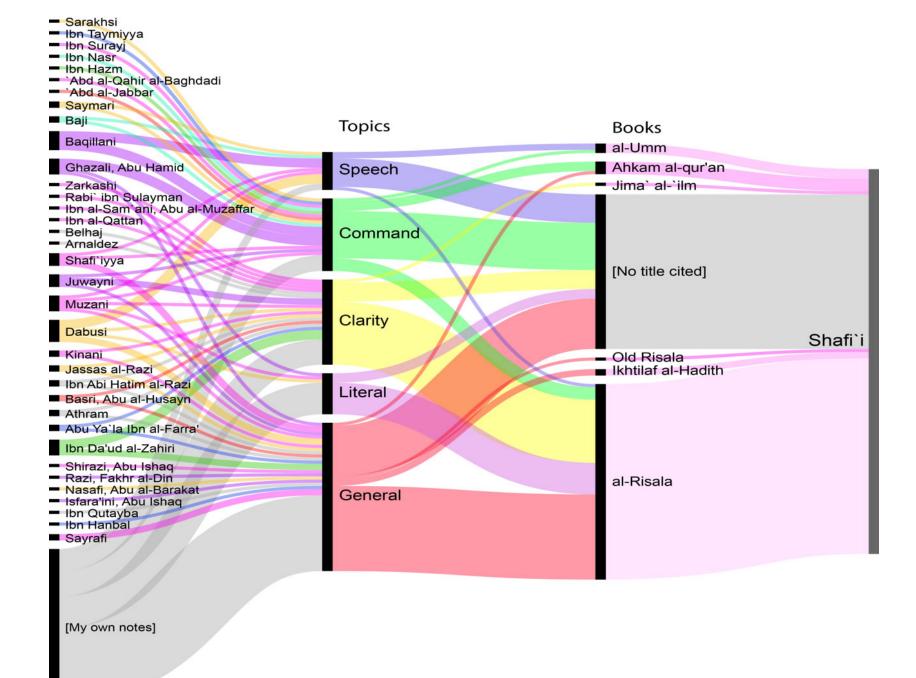
Akhfash al-Awsat Wijaya

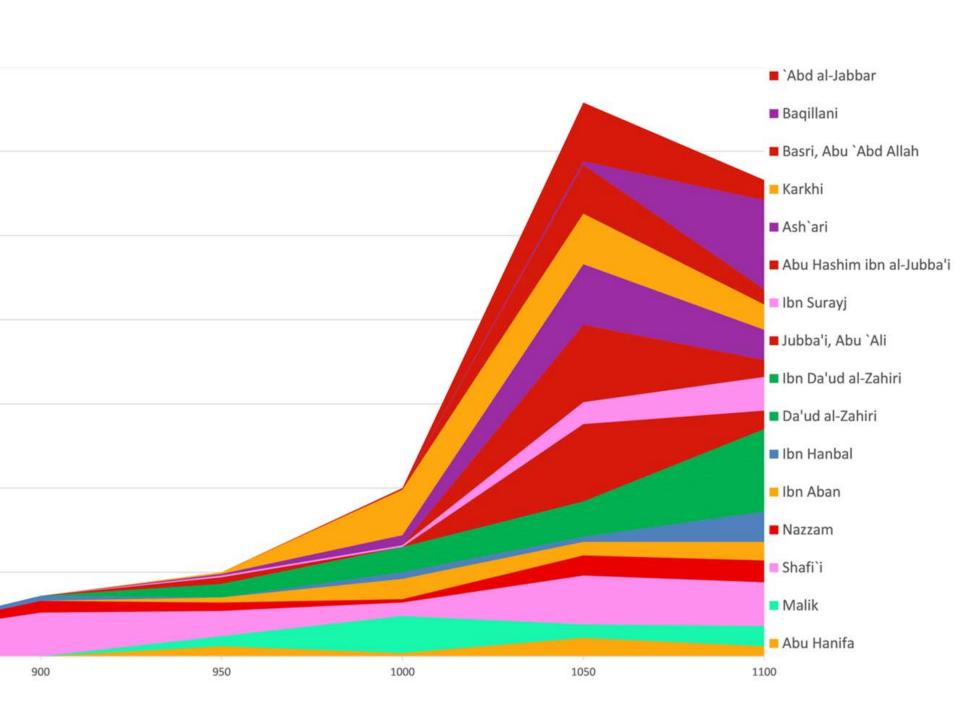
ewer

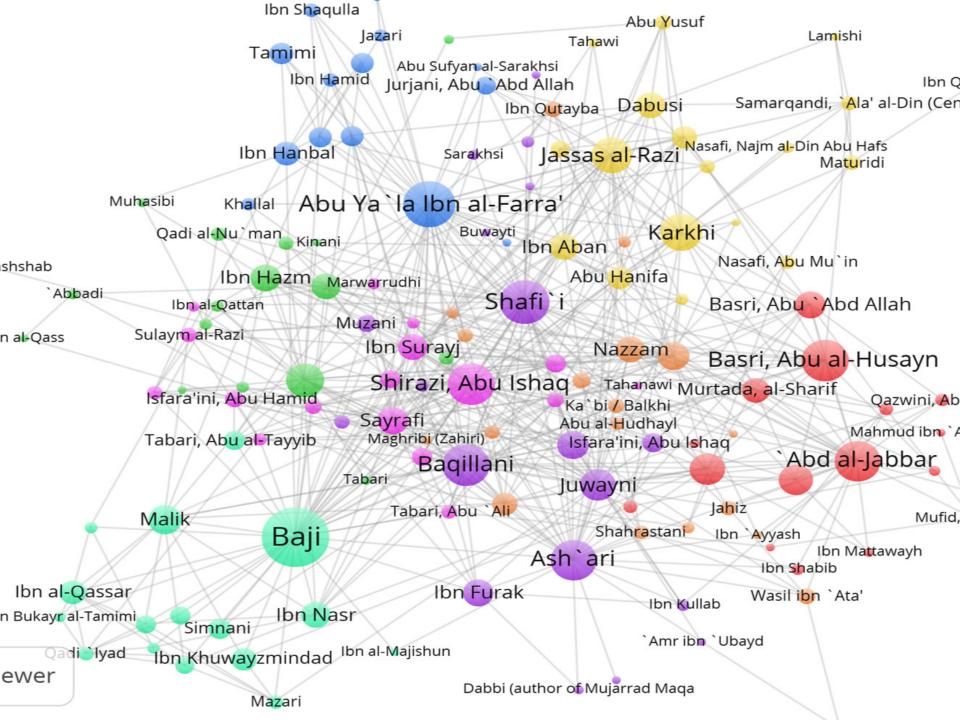
Abu Ubayd

Juwayni

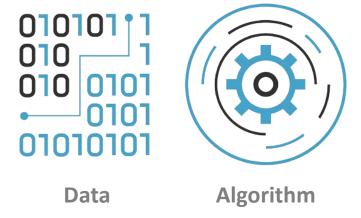


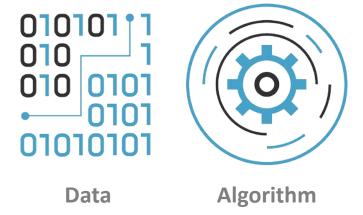




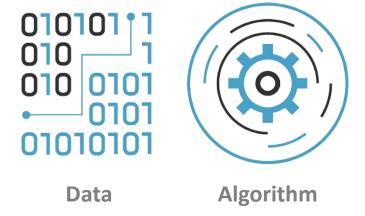


السنة شاء الشافعي شيئا أمره أمره أمره السنة ساء الشافعي النساء المعنى مراعلم صلاة وجهمعنى الطاهر شاء المقرآن في شاربعة عوصفت الكتاب سيخبر الآية أكثر الناس فرضيفيان لعامد القياس القبلة كتابه كتابه كتابه العالم أولى الحديث الصلاة

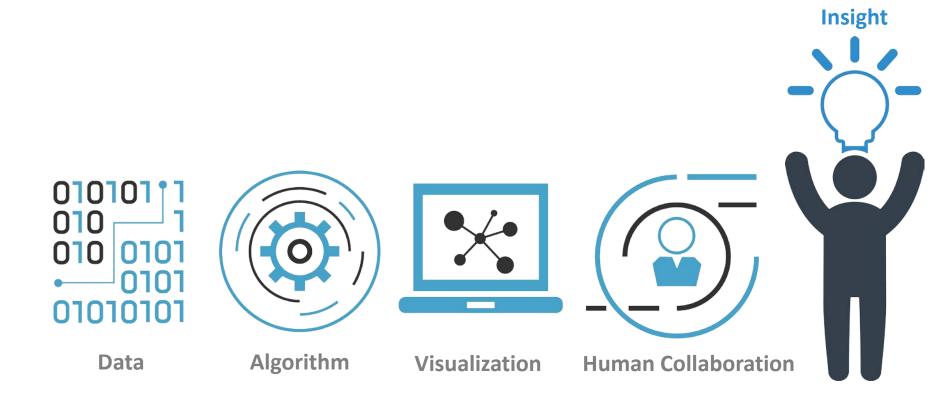


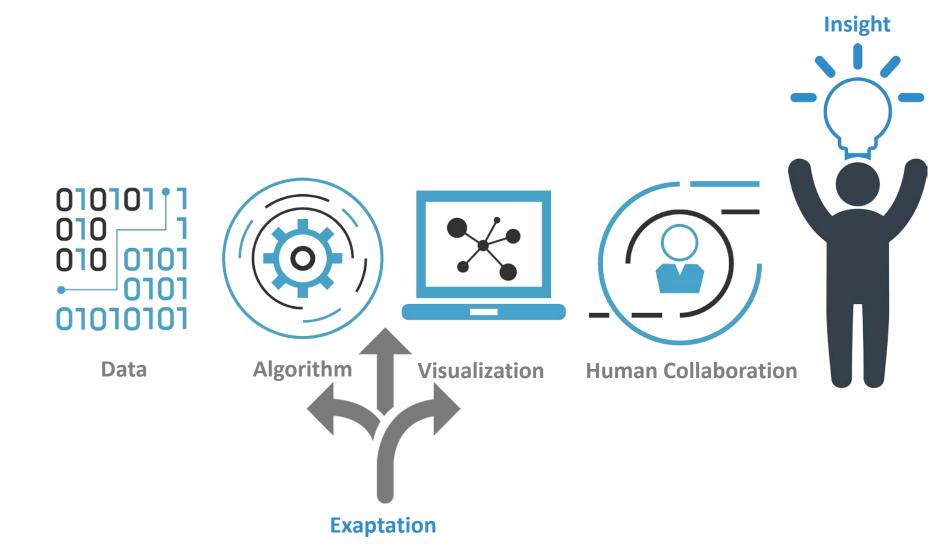


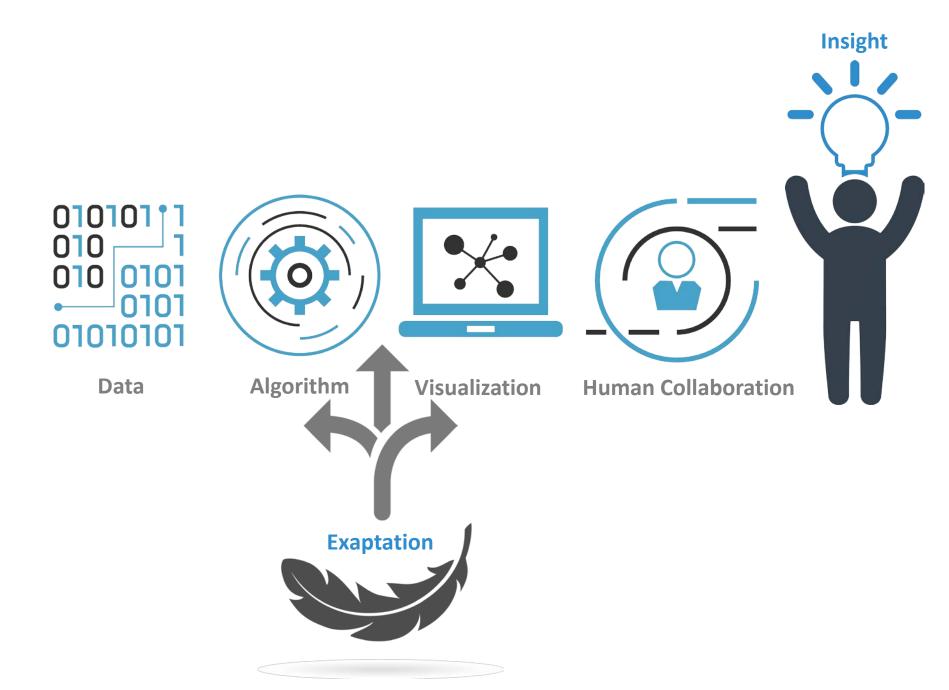


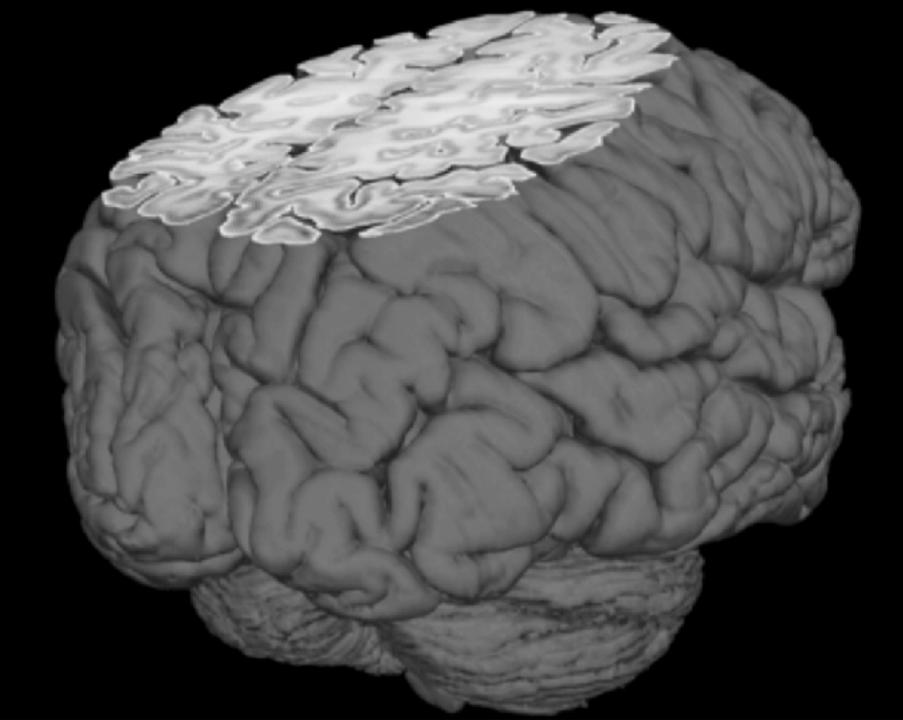


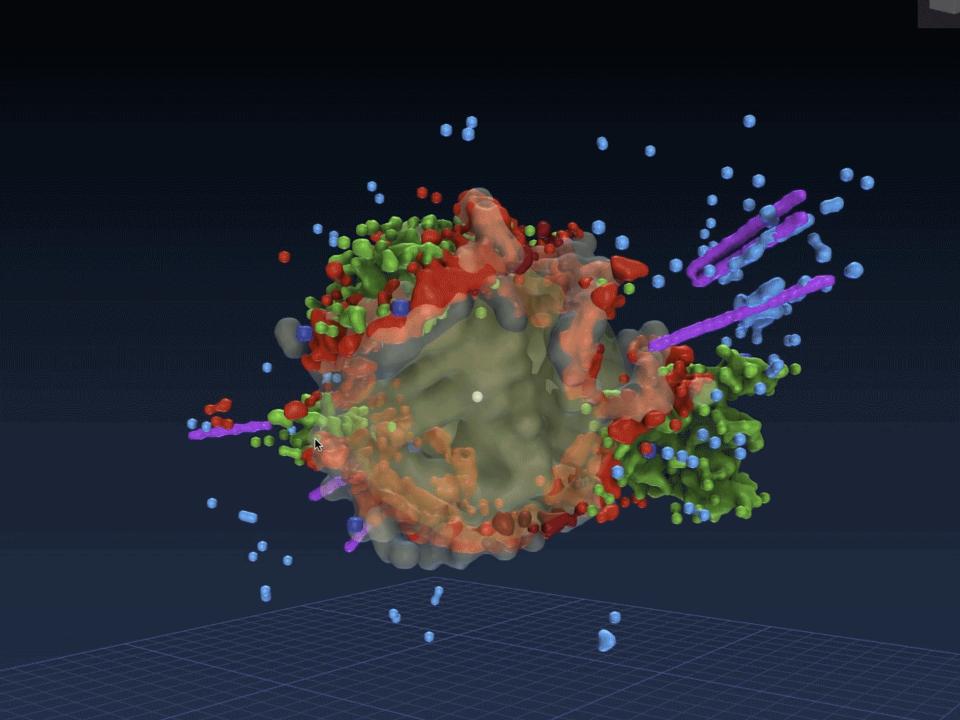






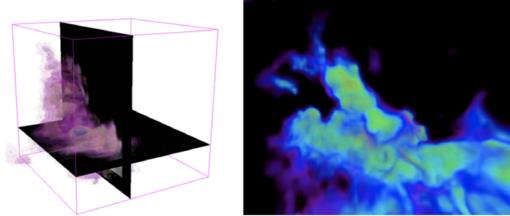






The Astronomical Medicine (AstroMed) Project

Douglas Alan (IIC), Michelle Borkin (IIC), Alyssa Goodman (IIC/CfA), Mike Halle (IIC/HMS), Jens Kauffmann (CfA/IIC)



Views of the star forming region IC 348 as seen in the medical imaging programs 3D Slicer and OsiriX. Left: 3D Contour map of IC 348 with orthogonal slices as seen in 3D Slicer using 13CO molecular line emission data from the COMPLETE Survey of Star Forming regions.

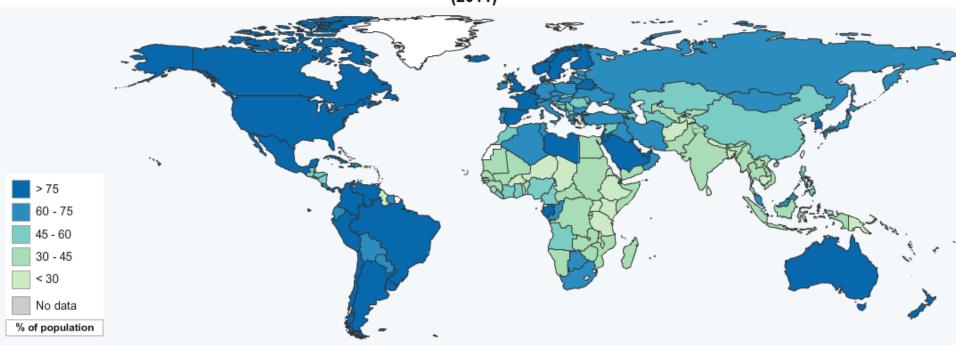
Right: 3D Volume rendered model of IC 348 as seen in OsiriX using CO molecular line emission data from the COMPLETE Survey of Star Forming Regions.

We have a new project page! Please go to: http://astromed.iic.harvard.edu

This page contains information about the medical imaging software used by the <u>AstroMed</u> project and the analysis of the COMPLETE data to date. The two programs currently being used are <u>3D Slicer and OsiriX</u> which can be downloaded for free. In the tables below is information for obtaining these programs, and a <u>sample set of data</u> with models. For more detailed information on the astronomical applications of 3D Slicer, see the publications listed below. If you have any questions, please let <u>us</u> know.

السنة شاء الشافعي شيئا أمره أمره أمره السنة ساء الشافعي النساء المعنى مراعلم صلاة وجهمعنى الطاهر شاء المقرآن في شاربعة عوصفت الكتاب سيخبر الآية أكثر الناس فرضيفيان لعامد القياس القبلة كتابه كتابه كتابه العالم أولى الحديث الصلاة

Population, urban (%) (2011)



Example of tf-idf [edit]

Suppose we have term frequency tables for a collection consisting of only two documents, as listed on the right, then calculation of tf-idf for the term "this" in document 1 is performed as follows.

Tf, in its basic form, is just the frequency that we look up in appropriate table. In this case, it's one.

ldf is a bit more involved:

$$idf(\mathsf{this}, D) = \log \frac{N}{|\{d \in D : t \in d\}|}$$

The numerator of the fraction is the number of documents, which is two. The number of documents in which "this" appears is also two, giving

$$idf(this, D) = log \frac{2}{2} = 0$$

So tf-idf is zero for this term, and with the basic definition this is true of any term that occurs in all documents.

A slightly more interesting example arises from the word "example", which occurs three times but in only one document. For this document, tf-idf of "example" is:

$$\begin{split} & \text{tf(example,}\,d_2) = 3 \\ & \text{idf(example,}\,D) = \log\frac{2}{1} \approx 0.3010 \\ & \text{tfidf(example,}\,d_2) = \text{tf(example,}\,d_2) \times \text{idf(example,}\,D) = 3 \times 0.3010 \approx 0.9030 \\ & \text{(using the base 10 logarithm)}. \end{split}$$

Document 1

Term	Term Count								
this	1								
is	1								
а	2								
sample	1								

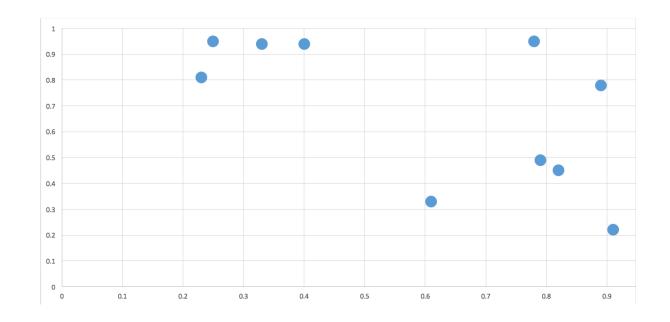
Document 2

Term	Term Count								
this	1								
is	1								
another	2								
example	3								

1	А	В	С	D	Е	F	G	Н		J	K
1		Doc1	Doc2	Doc3	Doc4	Doc5	Doc6	Doc7	Doc8	Doc9	Doc10
2	term1	0.78	0.95	0.54	0.73	0.58	0.51	0.36	0.52	0.92	0.65
3	term2	0.33	0.94	0.65	0.03	0.55	0.35	0.74	0.17	0.04	0.05
4	term3	0.89	0.78	0.35	0.58	0.98	0.56	0.84	0.65	0.25	0.03
5	term4	0.91	0.22	0.18	0.95	0.02	0.24	0.83	0.58	0.99	0.9
6	term5	0.25	0.95	0.03	0.98	0.9	0.19	0.91	0.04	0.23	0.96
7	term6	0.23	0.81	0.64	0.8	0.55	0.06	0.29	0.61	0.74	0.52
8	term7	0.79	0.49	0.33	0.8	0.5	0.23	0.32	0.79	0.03	0.34
9	term8	0.61	0.33	0.56	0.18	0.6	0.26	0.23	0.69	0.55	0.15
10	term9	0.4	0.94	0.57	0.98	0.24	0.54	0.33	0.89	0.34	0.89
11	term10	0.82	0.45	0.76	0.24	0.48	0.85	0.59	0.6	0.51	0.22

	Α	В	С	D	Е	F	G	Н	I	J	K
1		Doc1	Doc2	Doc3	Doc4	Doc5	Doc6	Doc7	Doc8	Doc9	Doc10
2	term1	0.78	0.95	0.54	0.73	0.58	0.51	0.36	0.52	0.92	0.65
3	term2	0.33	0.94	0.65	0.03	0.55	0.35	0.74	0.17	0.04	0.05

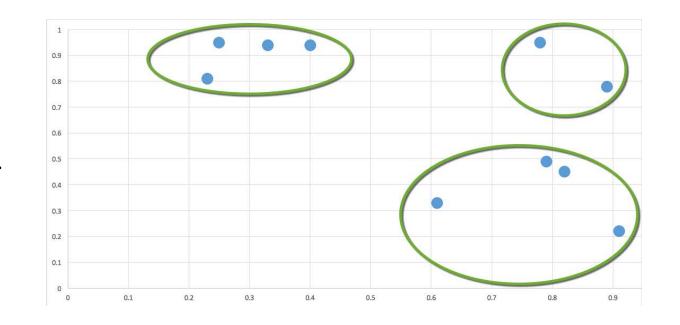




term2

\mathcal{A}	Α	В	С	D	Е	F	G	Н	1	J	K
1		Doc1	Doc2	Doc3	Doc4	Doc5	Doc6	Doc7	Doc8	Doc9	Doc10
2	term1	0.78	0.95	0.54	0.73	0.58	0.51	0.36	0.52	0.92	0.65
3	term2	0.33	0.94	0.65	0.03	0.55	0.35	0.74	0.17	0.04	0.05
-	ll to the same										

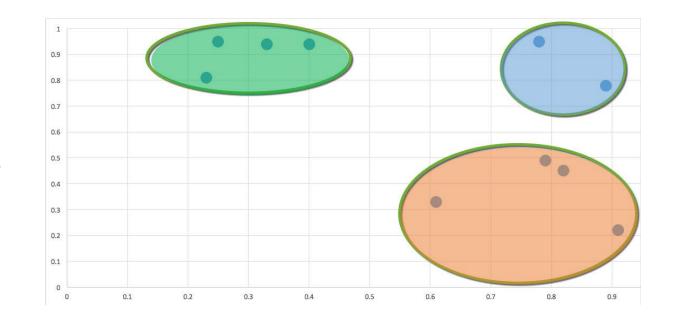
term1



term2

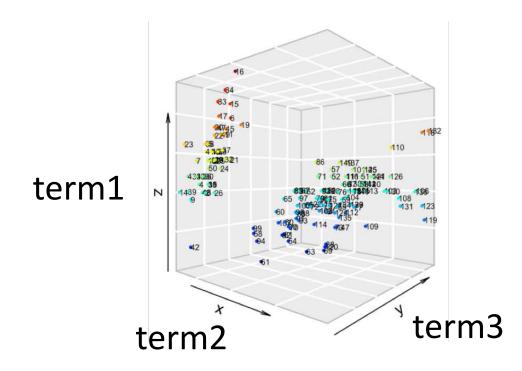
	Α	В	С	D	E	F	G	Н	1	J	K
1		Doc1	Doc2	Doc3	Doc4	Doc5	Doc6	Doc7	Doc8	Doc9	Doc10
2	term1	0.78	0.95	0.54	0.73	0.58	0.51	0.36	0.52	0.92	0.65
3	term2	0.33	0.94	0.65	0.03	0.55	0.35	0.74	0.17	0.04	0.05

term1



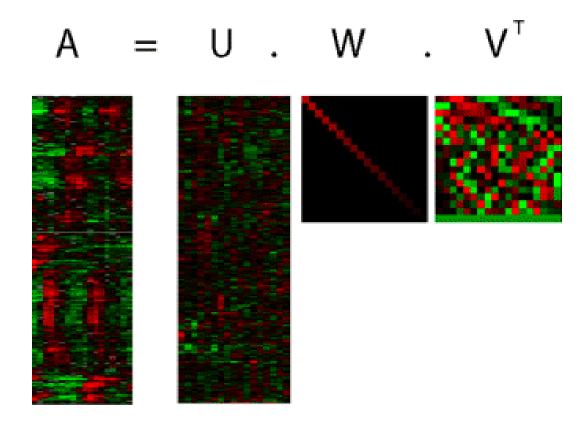
term2

4	Α	В	С	D	E	F	G	Н	1	J	K
1		Doc1	Doc2	Doc3	Doc4	Doc5	Doc6	Doc7	Doc8	Doc9	Doc10
2	term1	0.78	0.95	0.54	0.73	0.58	0.51	0.36	0.52	0.92	0.65
3	term2	0.33	0.94	0.65	0.03	0.55	0.35	0.74	0.17	0.04	0.05
4	term3	0.89	0.78	0.35	0.58	0.98	0.56	0.84	0.65	0.25	0.03



Ν	А	В	С	D	Е	F	G	Н	1	J	K
1		Doc1	Doc2	Doc3	Doc4	Doc5	Doc6	Doc7	Doc8	Doc9	Doc10
2	term1	0.78	0.95	0.54	0.73	0.58	0.51	0.36	0.52	0.92	0.65
3	term2	0.33	0.94	0.65	0.03	0.55	0.35	0.74	0.17	0.04	0.05
4	term3	0.89	0.78	0.35	0.58	0.98	0.56	0.84	0.65	0.25	0.03
5	term4	0.91	0.22	0.18	0.95	0.02	0.24	0.83	0.58	0.99	0.9
6	term5	0.25	0.95	0.03	0.98	0.9	0.19	0.91	0.04	0.23	0.96
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10	term9	0.4	0.94	0.57	0.98	0.24	0.54	0.33	0.89	0.34	0.89
11	term10	0.82	0.45	0.76	0.24	0.48	0.85	0.59	0.6	0.51	0.22

A	Α	В	С	D	Е	F	G	Н	1	J	K
1		Doc1	Doc2	Doc3	Doc4	Doc5	Doc6	Doc7	Doc8	Doc9	Doc10
2	term1	0.78	0.95	0.54	0.73	0.58	0.51	0.36	0.52	0.92	0.65
3	term2	0.33	0.94	0.65	0.03	0.55	0.35	0.74	0.17	0.04	0.05
4	term3	0.89	0.78	0.35	0.58	0.98	0.56	0.84	0.65	0.25	0.03
5	term4	0.91	0.22	0.18	0.95	0.02	0.24	0.83	0.58	0.99	0.9
6	term5	0.25	0.95	0.03	0.98	0.9	0.19	0.91	0.04	0.23	0.96
7	term6	0.23	0.81	0.64	0.8	0.55	0.06	0.29	0.61	0.74	0.52
8	term7	0.79	0.49	0.33	0.8	0.5	0.23	0.32	0.79	0.03	0.34
9	term8	0.61	0.33	0.56	0.18	0.6	0.26	0.23	0.69	0.55	0.15
10	term9	0.4	0.94	0.57	0.98	0.24	0.54	0.33	0.89	0.34	0.89
11	term10	0.82	0.45	0.76	0.24	0.48	0.85	0.59	0.6	0.51	0.22









Climbing

Showing 100 out of 100 (35,384 available)

Climbing higher

by Williams, Montel.

In 1999, after almost twenty years of mysterious symptons that he had tried to ignore, Montel Williams, a decorated former naval intelligence officer and Emmy Awardwinning talk show host, was finally diagnosed with multiple sclerosis.

The top of the world: climbing Mount Everest

by Jenkins, Steve, 1952-

Describes the conditions and terrain of Mount Everest, attempts that have been made to scale this peak, and general information about the equipment and techniques of mountain climbing.

Climbing the stairs

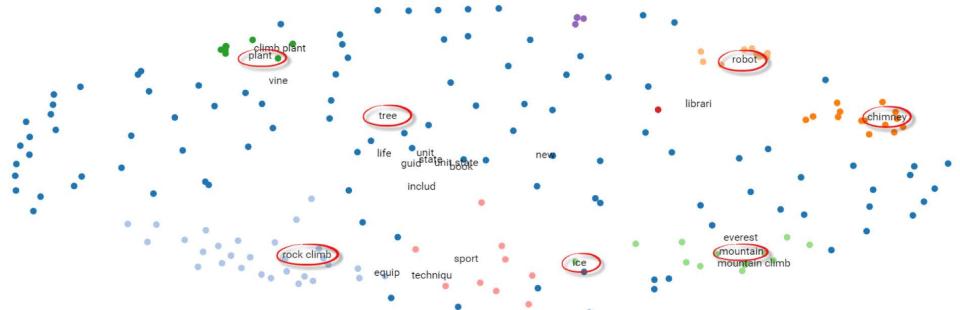
by Venkatraman, Padma.

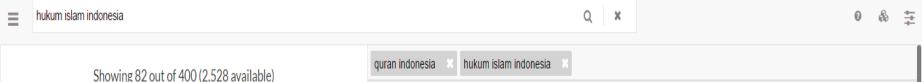
In India, in 1941, when her father becomes brain-damaged in a non-violent protest march, fifteen-year-old Vidya and her family are forced to move in with her father's extended family and become accustomed to a totally different way of life.

The case of the climbing cat

by Rylant, Cynthia.

The High Rise Private Eyes, animal detectives, try to find the cat who stole their neighbor's binoculars.





Women, the recited Qur'an, and Islamic music in Indonesia

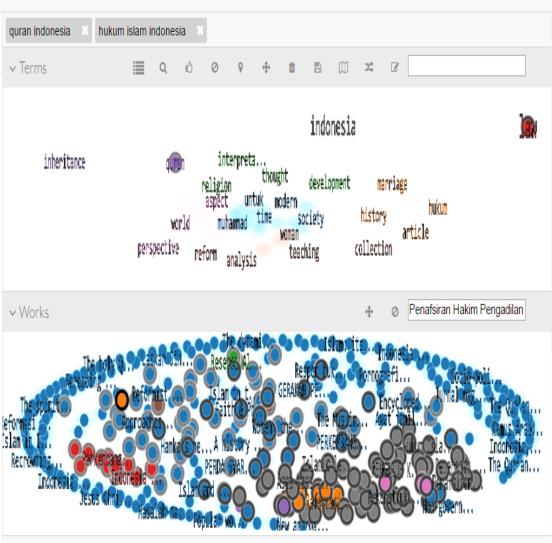
by Rasmussen, Anne K., author.

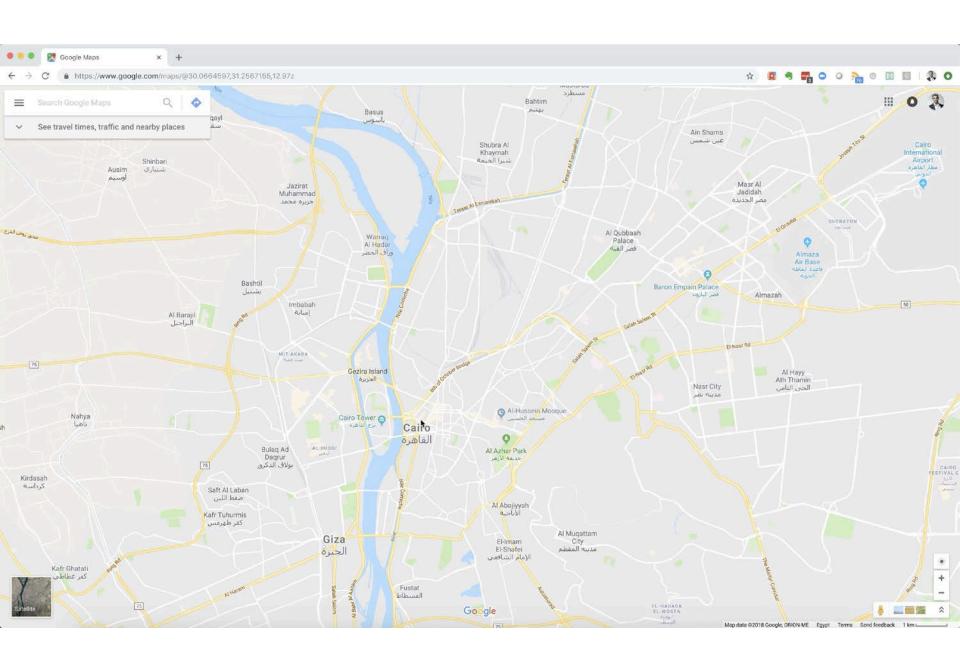
Women, the Recited Qur'an, and Islamic Music in Contemporary Indonesia takes readers to the heart of religious musical praxis in Indonesia, home to the largest Muslim population in the world. Anne K. Rasmussen explores a rich public soundscape, where women recite the divine texts of the Qur'an, and where an extraordinary diversity of Arabinfluenced Islamic musical styles and genres, also performed by women, flourishes. Based on unique and revealing ethnographic research beginning at the end of Suharto's "New Order" and continuing into the era of "Reformation," the book considers the powerful.

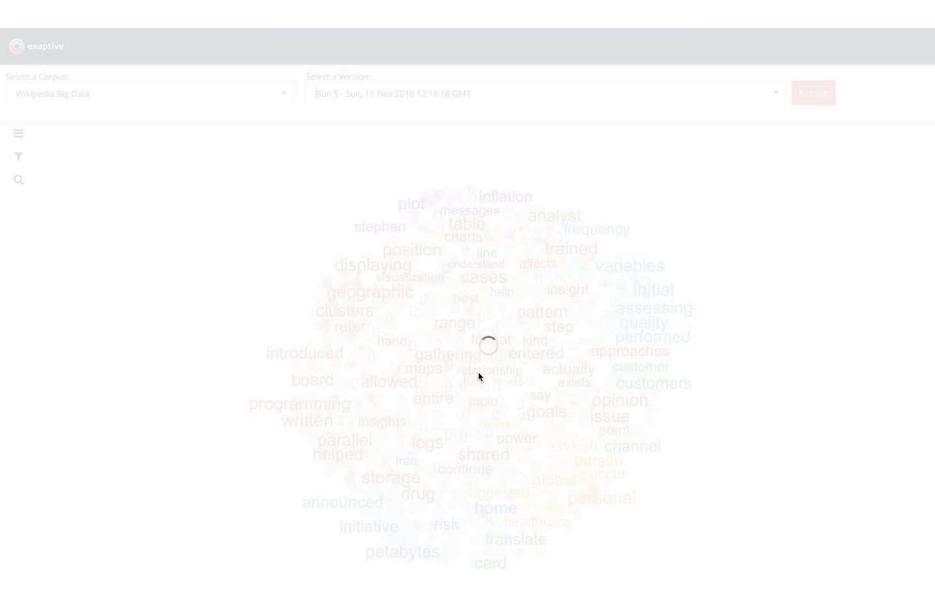
Approaches to the Qur'an in contemporary Indonesia

by Saeed, Abdullah.

"Indonesia, the world's most populous Muslim country, has a vibrant intellectual community that is undertaking interesting and challenging work on Islam. This volume brings together a cross-section of Muslim intellectuals, from traditionalists to neo-modernists, and makes their varied approaches to the Qur'an accessible in English to a wider, global







```
waris
han ibu
pihak yatim riba
                                                                                                                                                                                                pernikahan
                                                                                                    tasybih ijtihad semeste
                                                                lingkungan kelompok ibrahim allah surga kelompok ibrahim mati lahmat abbas amr mati lahmat abbas alam usaha perang hati subhanahu kerja lerletak berada ari hati subhanahu knologi proses konsepalasan mudal sifat abd khabar proyek tugas balik peradaan mudal sifat berbentuk svahrur asumsi balik mengambil yata man akidah lafaz
                                                   teknologi proses
oyek tugas balk syahrur asumsi ideologi tanap danam yudian wahyudi-Dan wasasi mulai logis aki yudian wasasi was
                                                                                                                                                                                                                                                                                                                                                                                    Yudian_Wahyudi-Dari_McGill_ke_Oxford-6.txt
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waris pakaian pembagian pernikahan batas yatim riba tasybih miskin bagian bagian halal semesta kewajiban halal tasybih bencana

lingkungan ruh ekonomi kelompok librahim muslimin ruh ekonomi kelompok librahim muslimin mati pekerjaan jalan perang kedaan hati subhanahu kebangkitan teknologi proses menghasilkan perbedaan perada memberi air kalimat benar memberi air kalimat perar memberi air kalimat perare me shari dosen maqashid stain ati

istrinya surga terma istri aurat buah barang penutup wajah pernikahan terbuka pernikahan terbuka pernikahan perkawinan air petunjuk artinya dalamnya diberi mengikuti man kuat merasa tindakan positif tanda menuju perhatian kenyataan sufi sempurna lima ungkapanan penutup wajah pernikahan terbuka pernikahan dikidah bawah berarti balik sosial latar talbi berdiri ajaran wilayah suku sempurna lima ungkapanan penutugas sufisme usul dosen keraguan pendidikan kategori akibat ujuan bidang dunia kategori akibat ujuan bidang dunia kategori akibat ujuan bidang katengah raja new him paham jenar menemukah katam fase tujuan tegas terutama langkah utama proyek praktik fazlur pengarang hakikat thaha objektif nasr ghazali vol nurcholish vol plato nurcholish



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Indonesia-288

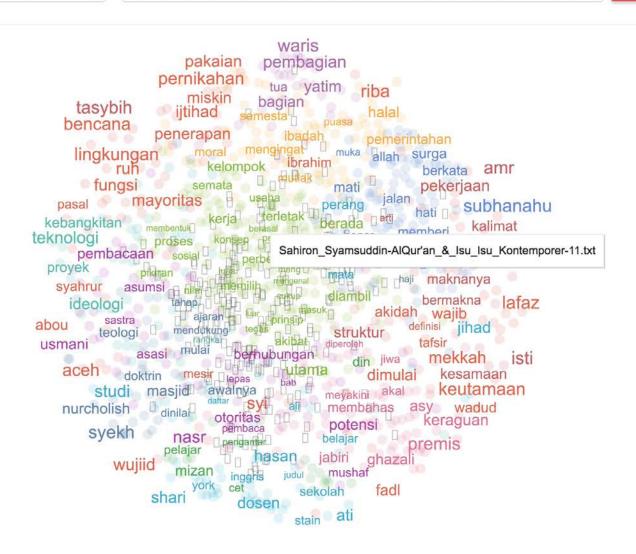
David 1000 12-12 30 0.8 3 20 - Mon, 05 Nov 2018 15:01:15 GMT

Refresh











O component

O KM Entity

O KM Path

O Pins

Users 🕞

Connections

is

role

suggestion

Thank you!

David Vishanoff
vishanoff@ou.edu

Dave King king@exaptive.com





