

Significant Learning Points from OpenCourseWare Consortium's OER Search Engine

Jure Cuhalev,
Meena Hwang



Courses

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Courses

An OpenCourseWare(OCW) is a free and open digital publication of high quality educational materials for colleges and universities. These materials are organized as courses, and often include course planning materials and evaluation tools as well as thematic content.

Search

We are currently tracking **25081 courses** from **78 providers**.

Search



Index

Index

OPTIONS

GET

This is experimental Open Data API to Courses that are currently tracked by OpenCourseWare Consortium.

We are currently setting first version of API endpoints as we transition to this system. Please note that API endpoints and/or return values might change at any time. We plan to finalize first version by the end of 2013.

This API currently directly powers [OCWC course search](#).

If you have any questions or comments please contact [Jure Cuhalev](#).

You can follow development in our [Github repository](#).

If you would just like a copy of the data, you can download Excel export [from here](#).

GET /

HTTP 200 OK

Vary: Accept

Content-Type: text/html; charset=utf-8

Allow: OPTIONS, GET

```
{
  "search": "http://data.ocwconsortium.org/api/v1/courses/search/",
  "course-stats": "http://data.ocwconsortium.org/api/v1/courses/stats/",
  "course-latest": "http://data.ocwconsortium.org/api/v1/courses/latest/",
  "course-detail": "http://data.ocwconsortium.org/api/v1/courses/view/59069fd6f629c3eefa5f8c5d6a39d96a/",
  "providers-list": "http://data.ocwconsortium.org/api/v1/providers/",
  "provider-detail": "http://data.ocwconsortium.org/api/v1/providers/1/",
  "provider-course-list": "http://data.ocwconsortium.org/api/v1/providers/1/courses/",
  "language-list": "http://data.ocwconsortium.org/api/v1/languages/",
  "language-courses-list": "http://data.ocwconsortium.org/api/v1/languages/English/courses/",
```



Goal

- Find out in what discipline we have courses in
– is it balanced?
- Find out the language OERs are in
- Does the courseware reflect personality of the institution?
- Let our members know that data is VERY important



	A	B	C	D	E	F	G	H
1	Hash	Link	Source	Language	Tags	Author	Title	Description
2	02639864b8a3a3e15188c5a96ae789ae	http://oer.avu.org/handle/123456789/267	African Virtual University	English			A Programaco Linear	A Programaco Linear module authored by David KJ Mtetwa.
3	04349aa1fc2daa21258a6cb1714e428	http://oer.avu.org/handle/123456789/274	African Virtual University	English			Analysis 2	Analysis 2 module authored by Jairus M. Khalagai Part 2 consists of
4	344b657b54b90131e9954428ace73349	http://oer.avu.org/handle/123456789/266	African Virtual University	Russian			Separaco, Tecnicas Electroanalitica e Espectroqu	Separaco, Tecnicas Electroanalitica e Espectroquimica module aut
5	bb3cfcfc2c9c6ca10e4543a7824d56b	http://oer.avu.org/handle/123456789/268	African Virtual University	English			Probabilidade e Estatistica	Probabilidade e Estatistica module authored by Paul Chege.
6	e49f15c93d34949261923c3b51a75fe2	http://oer.avu.org/handle/123456789/272	African Virtual University	English			Metodos de Ensino	Metodos de Ensino module authored by Caroline Ndirangu.
7	1a2e58ed17725e009d3bb7e216b3e49	http://oer.avu.org/handle/123456789/270	African Virtual University	English			Anlise 2	Anlise 2 module authored by Jairus M. Khalagai.
8	cf06f7b21d68d9a98217fd11597569a9	http://oer.avu.org/handle/123456789/269	African Virtual University	English			Integraco das TIC no Ensino de Matematica	Integraco das TIC no Ensino de Matematica module authored by Chri
9	adaa63918ac0df37e9224c261c1f0849	http://oer.avu.org/handle/123456789/271	African Virtual University	English			Educao Especializada	Educao Especializada by Edward Ntare Rutondoki.
10	3e2aac676474020f93b924ccb889f797	http://oer.avu.org/handle/123456789/265	African Virtual University	English			Open Educational Resources Policy	Open Educational Resources Policy authored by African Virtual Univ
11	af03749857d931f9dac87ac1fa67d12	http://oer.avu.org/handle/123456789/263	African Virtual University	English			Copyright for Librarians	Copyright for Librarians
12	9d91927a93fa4ac3538193e57b86e4	http://oer.avu.org/handle/123456789/260	African Virtual University	English			Integraco das TIC no Ensino de Matematica	Integraco das TIC no Ensino de Matematica Module authored by Salo
13	3a3bbf60c5e49eac3bd770009d4e60	http://oer.avu.org/handle/123456789/258	African Virtual University	English			Mecnica	Mecnica Module authored by Tendayi Chihaka.
14	1f3aa4c41245a539ea41a62dcb9c3112	http://oer.avu.org/handle/123456789/253	African Virtual University	English			Gesto da sala de aula e superviso	Gesto da sala de aula e superviso Module authored by Ridwan Mohi
15	6f9a4844ee0fd4463f3cad1f532c930f2	http://oer.avu.org/handle/123456789/257	African Virtual University	English			Matematica Bsica	Matematica Bsica Module authored by Jairus Khalagai.
16	d94ce77352abdcb42a5c7810181c68d8	http://oer.avu.org/handle/123456789/252	African Virtual University	English			Educao Comparada	Educao Comparada Module authored by Emmy H Mbozi.
17	8a0e31946e79a5e7ee593716c4cdc216	http://oer.avu.org/handle/123456789/259	African Virtual University	English			Teoria de Nmeros	Teoria de Nmeros Module authored by Paul Chege.
18	3152a246670ac61b7abbe9e64e3239c2	http://oer.avu.org/handle/123456789/254	African Virtual University	Portuguese			Integraco das TIC no ensino e na aprendizagem da	Integraco das TIC no ensino e na aprendizagem da fsica Module aut
19	86cc7aa8896971be0a03bc44663aae2f	http://oer.avu.org/handle/123456789/256	African Virtual University	English			Biologia Celular e Genetica	Biologia Celular e Genetica Module authored by Charles K. Twesigye
20	fbc549ae6d8bfff3c159141c61b89ce	http://oer.avu.org/handle/123456789/255	African Virtual University	English			Fsica Estatistica	Fsica Estatistica Module authored by Shewamare Sisay.
21	ce7297c9329b132063d1a0a073be3b5	http://oer.avu.org/handle/123456789/251	African Virtual University	English			Mathematical Physics I	Mathematical Physics I
22	ebc91d2358ec2a57c64d97ca5ef8662d	http://oer.avu.org/handle/123456789/231	African Virtual University	English			Physique Mathematiques 1	Physique Mathematiques 1 Module authored by Rene Yves Rasoani
23	e45a9b386c7e6e3d9ae932c888847b3	http://oer.avu.org/handle/123456789/241	African Virtual University	English			Physique Thermique	Physique Thermique Module authored by Dr. Tilahun Tesfaye.
24	4cdd4894a6c5d3b7579b7a910b143d08	http://oer.avu.org/handle/123456789/242	African Virtual University	English			Psychologie de l'Apprentissage	Psychologie de l'Apprentissage Module authored by Catherine W. De
25	15113cc8f7532eab304e1d0e8b8b8f2	http://oer.avu.org/handle/123456789/222	African Virtual University	English			electronique	electronique Module authored by Sam Kinyera Obwoya.
26	2e00ab3bd78e52d9480fb29606c7cf	http://oer.avu.org/handle/123456789/223	African Virtual University	English			Mecanique	Mecanique Module authored by Tendayi Chihaka.
27	090167e04ea0344af2d5e5ae97a12fcb	http://oer.avu.org/handle/123456789/247	African Virtual University	English			Theorie de Nombres	Theorie de Nombres Module authored by Paul Chege.
28	2b6c7d2c5e4539922624dfe0f03f1f09	http://oer.avu.org/handle/123456789/240	African Virtual University	English			Proprietes de la matire	Proprietes de la matire Module authored by Sisay Shewamare.
29	cc2623a52d9f4bde27dcb9daba0abb4	http://oer.avu.org/handle/123456789/229	African Virtual University	English			Optique Geometrique et Optique Physique	Optique Geometrique et Optique Physique Module authored by Heri
30	26d1c40b040c818757f92279708a7d3	http://oer.avu.org/handle/123456789/244	African Virtual University	English			Recherche en education	Recherche en education Module authored by Ridwan Mohamed Osn
31	ca2d9e6ed52b42e4c39410215f4d3c7d	http://oer.avu.org/handle/123456789/246	African Virtual University	English			Programmation Lineaire	Programmation Lineaire Module authored by Dr. David K. J. Mtetwa.
32	ab996f49e72514822d99f8dbec0f7ecd	http://oer.avu.org/handle/123456789/238	African Virtual University	French			Notions de Base en Mathematiques Superieures	Notions de Base en Mathematiques Superieures Module authored by J
33	da8549b0a44f89cbe30aba538f5e0f92	http://oer.avu.org/handle/123456789/250	African Virtual University	French			Procedes de separation et Techniques	Procedes de separation et Techniques Module authored by Vincent J
34	15f279baab7c5c4ba8536893ca2a09e	http://oer.avu.org/handle/123456789/245	African Virtual University	English			Sociologie de l'education	Sociologie de l'education Module authored by Cyrille Mihamitsy.
35	d01258552bda4bc420697113a8420ff7	http://oer.avu.org/handle/123456789/249	African Virtual University	English			Problematiques contemporaines en education	Problematiques contemporaines en education Module authored by S
36	17b7a80072a34883297a26b07d7e782	http://oer.avu.org/handle/123456789/243	African Virtual University	English			Psychologie Developpementale	Psychologie Developpementale Module authored by John T. Phiri.
37	58cbb85cbbcb974417b38d1928f0e4db	http://oer.avu.org/handle/123456789/248	African Virtual University	French			Probabilites et statistiques	Probabilites et statistiques Module authored by Paul M. Chege.
38	8a1f10e9d47a693bd2c0c44c5bb9598	http://oer.avu.org/handle/123456789/239	African Virtual University	English			Physique statistique	Physique statistique Module authored by Sisay Shewamare.
39	3e29d76419c165280da8707aa6831d05	http://oer.avu.org/handle/123456789/224	African Virtual University	English			Methodes Numeriques	Methodes Numeriques Module authored by Ralph W.P. Masenge.
40	8089804f958f84c2087de01681bba39c	http://oer.avu.org/handle/123456789/227	African Virtual University	French			Macromolecules dans les Systemes Biologiques	Macromolecules dans les Systemes Biologiques Module authored by
41	9f663f271bb9d52d7fcb5abe5f625bbec	http://oer.avu.org/handle/123456789/228	African Virtual University	English			Mesure et evaluation en education	Mesure et evaluation en education Module authored by ARidwan Mo
42	eb9d3a743e2c91123c8d2912e95b989c	http://oer.avu.org/handle/123456789/226	African Virtual University	English			Mecanique Quantique	Mecanique Quantique Module authored by Rene Yves Rasoanaivo.
43	31180227b93c37f8c9a33082e76277	http://oer.avu.org/handle/123456789/232	African Virtual University	English			Physique Mathematiques 2	Physique Mathematiques 2 Module authored by Issakha Youm.
44	0b371cc082500e0d9864382329f6429	http://oer.avu.org/handle/123456789/233	African Virtual University	French			Physiologie des Vegetaux et des Animaux	Physiologie des Vegetaux et des Animaux Module authored by Remi
45	2c76ae041d193237084be43b9042432	http://oer.avu.org/handle/123456789/230	African Virtual University	English			Physique du Solide	Physique du Solide Module authored by Sam Kinyera Obwoya.
46	1b832d0ceb69441f752ba39467b9f26	http://oer.avu.org/handle/123456789/235	African Virtual University	English			Physique Atomique	Physique Atomique Module authored by C.A. Kiwanga.
47	0d1e1d9a50cfc0b71a1165b71aab206	http://oer.avu.org/handle/123456789/236	African Virtual University	English			Outils de Productivite Textuels	Outils de Productivite Textuels Module authored by Elijah I. Omweng
48	ae08848b97ce1310ae7fa87886f7023	http://oer.avu.org/handle/123456789/234	African Virtual University	English			Physique Nucleaire	Physique Nucleaire Module authored by Tilahun Tesfaye.
49	43d1c345e349f4d48e9bb8b480b505a1	http://oer.avu.org/handle/123456789/220	African Virtual University	English			Mecanique 1	Mecanique 1 Module authored by Adolphe Ratarison.
50	2b9883a5e84eecc1095618c7c98142db	http://oer.avu.org/handle/123456789/219	African Virtual University	English			Microbiologie et Mycologie	Microbiologie et Mycologie Module authored by Jassiel Nyengani Zu
51	4fb483066eb7d916ed84b4f1caea2c9	http://oer.avu.org/handle/123456789/221	African Virtual University	English			Mecanique II	Mecanique II authored by Tilahun Tesfaye.
52	0fd894812dff7633f438ae29e90697	http://oer.avu.org/handle/123456789/225	African Virtual University	English			Methode d'Enseignement	Methode d'Enseignement Module authored by Caroline W. Ndirangu
53	ca8f9d1b391135c8b7f9a44d6f8	http://oer.avu.org/handle/123456789/237	African Virtual University	English			Philosophie de l'Education	Philosophie de l'Education Module authored by Samuel O. Guwa



Analysis Procedure

Course Title

Translation

Text Filtering
: text file

R Program
(word cloud)

```
Open vPath & Application.PathSeparator & "word.R" For Output As #fNum
Print #1, "library(KoNLP)" 'Import the Korean Language Pack
Print #1, "library(RColorBrewer)"
Print #1, "library(wordcloud)"
Print #1, "f<-file(" & """" & "han.txt" & """" & ",blocking=F)"
Print #1, "txtLines<-readLines(f)"
Print #1, "nouns<-sapply(txtLines,extractNoun,USE.NAMES=F)"
Print #1, "close(f)"
Print #1, "wordcount<-table(unlist(nouns))"
Print #1, "pal<-brewer.pal(12," & """" & "Set3" & """" & ")"
Print #1, "pal<-pal[-c(1:2)]"
Print #1, "png(" & """" & outputimagefile & """" & ")"
Print #1,
"wordcloud(names(wordcount),freq=wordcount,scale=c(6,0.3),min.freq=" &
Trim(str(threshold)) & ",random.order=F,rot.per=.1,colors=brewer.pal(8," & """"
& "Dark2" & """" & "))"
Print #1, "dev.off()"
Close
```

```
command = "Rscript word.R"
errorCode = wsh.Run(command, windowStyle, waitOnReturn)
```



Conclusion

- Many early adopters of OCW have courseware focused on sciences
- Discipline influenced by first department that adopted OCW



Call to Action

- Share course data!!!

