

Session 3

15 minutes of Data

FileHomeInsertPage LayoutFormulasDataReviewViewTell me what you want to do...

CutCopyPasteFormat Painter

Clipboard

Calibri11A AWrap Text

B I U

Font

Alignment

Number

General

Conditional Format as Table

Normal

Bad

Good

Neutral

Calculation

Check Cell

Explanatory ...

Input

Linked Cell

Note

Insert

Delete

Format

Cells

AutoSum

Fill

Clear

Sort & Find

Filter - Select -

Jeannette Ekstrøm




Share

A1

AuthorsAuthor IdsTitleYearSource titleVolumIssueArt. No. Page startPage endPage countCited byDOILinkAffiliationsAuthors with affiliationsAbstractAuthor KeywordsIndex KeywordsReferencesCorrespondence AddressEditorsPublisherISSNISBNCODENPubMed IDLanguage of Original DocumentAbbreviated Source TitleDocument TypeAccess TypeSourceEID

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD						
1	Authors	Author Ids	Title	Year	Source title	Volume	Issue	Art. No.	Page start	Page end	Page count	Cited by	DOI	Link	Affiliations	Authors with affiliations	Abstract	Author Keywords	Index Keywords	References	Correspondence Address	Editors	Publisher	ISSN	ISBN	CODEN	PubMed ID	Language of Original Document	Abbreviated Source Title	Document Type	Access Type	Source	EID		
2	Sykes R., T.	Griffith U.	Gold Coast, Australia	1971	Griffith U. Gold Coast, Australia	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
3	Shaw J.A.	Social Jus	School of De Montf	1971	Leicester	United Kir	J.J.A.	Reader in	School of De Montf	Leicester	United Kir	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
4	Holm-Hud	United St	K.	1971	University	United St	wardrobe	make-up	and body	Bowie als	Bowie als	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
5	Appel N.S.	Young An	and Chinc	1971	Israel**	Bar-Ilan I	Israel**	PC sexual	and gend	the sexua	collapsing	morbid	and dissa	through c	to his fina	© 2018 I	trading as	T.W.	(2002) Ae	London: C.	Translate B.	Wallace H.	Out of Th	Vocals an	pp. 26	3	2	2	2	2	2	2			
6	Devereux	Ireland**	E.	1971	Popular h	Popular h	Popular h	Popular h	Popular h	Popular h	Popular h	Popular h	Popular h	Popular h	Popular h	Popular h	Popular h	Popular h	Popular h	Popular h	Popular h	Popular h	Popular h	Popular h	Popular h	Popular h	Popular h	Popular h	Popular h	Popular h	Popular h	Popular h			
7	Ronan J.S.	Textuality	School of	1971	Falmer	United Kir	J.	University	School of	Falmer	United Kir	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
8	Herrands	S University	Norway	1971	Norway**	S.	Musicolog	University	Norway	University	Norway	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
9	Ferrandis	School of	1504	1971	Lawrence	KS 66046	United St	M.E.	University	School of	1504	1971	Lawrence	KS 66046	United St	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
10	Reed K.57	California	Fullerton	1971	USA***	Ree K.	School of	California	Fullerton	USA***	Ree K.	School of	California	Fullerton	USA***	Ree K.	School of	California	Fullerton	USA***	Ree K.	School of	California	Fullerton	USA***	Ree K.	School of	California	Fullerton	USA***	Ree K.	School of	California		
11	Myrick J.G.	Indiana U	United St	1971	J.G.	The Medi	Indiana U	United St	1971	J.G.	The Medi	Indiana U	United St	1971	J.G.	The Medi	Indiana U	United St	1971	J.G.	The Medi	Indiana U	United St	1971	J.G.	The Medi	Indiana U	United St	1971	J.G.	The Medi	Indiana U	United St		
12	Özdemir V	Innovatio	Technol	1971	Toronto	ON	Canada	S. Amrita	Vit. Amrita	U Kollam	India; De	University	School of	University	Patras	Rion	GR-26504	Greece; D	College of	United Ar	Al-Ain	United Ar	V.	Indepen	Innovatio	Technol	Toronto	ON	Canada	School of	A				
13	McCombe	United St	J.	1971	United St	A.	The Inven	www.new	20 Jan. 20	20 Jan. 20	Accessed	H.P.	Studies in	www.the	Theosoph	Accessed	A.	(1993) Ba	(with Patr	Putnam; i	D.	(1977) Bri	RCA; Bow	D.	(1971) Ch	R									
14	Painter M.	SIGGRAPH	M."Using	1971	virtual rei	and augm	Heroes cr	scale thro	and even	and filme	Heroes cr	scale thro	and even	and filme	Heroes cr	scale thro	and even	and filme	Heroes cr	scale thro	and even	and filme	Heroes cr	scale thro	and even	and filme	Heroes cr	scale thro	and even	and filme	Heroes cr	scale thro	and even		
15	Cinque T.	Deakin U	Australia	1971	S.	Deakin U	Australia	P.	Hall S.	Janes L.	Mackay H.	Negus K.	(1997) Do	London: S	A.	David Bov	http://wv	February	H.	Introduc	p. 1-12.	Mackay H	(1971) Lei	London: R											
16	Cinque T.	Deakin U	Melbourr	1971	Australia	S.	School of	Deakin U	Melbourr	Australia	S.	School of	Deakin U	Melbourr	Australia	S.	School of	Deakin U	Melbourr	Australia	S.	School of	Deakin U	Melbourr	Australia	S.	School of	Deakin U	Melbourr	Australia	S.	School of	Deakin U		
17	Saavedra	Goldsmith	University	1971	London	United Kir	Loughbor	London	United Kir	Universid	Barranqu	Colombia	Australia; Media	an Cardiff	Ur Cardiff	United Kir	J.	Media an	Goldsmith	University	London	United Kir	T.	Institute f	Loughbor	London	United Kir	Departar	Universid	B					
18	Redmond	story and	Deakin U	1971	Melbourr	Australia	S.	School of	Deakin U	Melbourr	Australia	S.	School of	Deakin U	Melbourr	Australia	S.	School of	Deakin U	Melbourr	Australia	S.	School of	Deakin U	Melbourr	Australia	S.	School of	Deakin U	Melbourr	Australia	S.	School of		
19	Woodwar	Open Uni	Milton Ke	1971	United Kir	K.	Sociology	Open Uni	Milton Ke	United Kir	represent	which car	visibilita	which ar	through h	with an e	consumpl	identita	y trading	as S.	Bowie, th	the Vision	the Geniu	p. 3.	January 1	2016; Al	L.	(1971) Lei	London: R						
20	Flannery	A resistance	Todd Hay	1971	Henry Jan	University	Leeds	United Kir	D.	School of	University	Leeds	United Kir	D.	School of	University	Leeds	United Kir	D.	School of	University	Leeds	United Kir	D.	School of	University	Leeds	United Kir	D.	School of	University	Leeds	United Kir		
21	Bennett A.	Australia	A.	1971	Griffith U	Australia	David Bov	Bowie su	including	Bowie's	Bowie's	A trading	as P.	(2006) Pe	Ann Arbo	A.	(2004) Re	Aldershot	A.	The Forg	2 (1)	pp. 5-24;	D.	(1999) Str	London: V	R.	Interview	N							
22	Kardos L.	S Kingston	London	1971	United Kir	L.	Departm	Kingston	London	United Kir	if we look	we can st	idiosyncr	mode an	familiar	a convers	trading as	C.R.	Melodic C	20 (2)	pp. 179-2	P.	(2006) Pe	Ann Arbo	MI: Univ	J.	Becker	A.	A Gramm	2.					
23	Perrott L.	S synthesi	University	1971	Hamilton	New Zeal	L.	Screen an	University	Hamilton	New Zeal	David Bov	often in	tl this	article	the autho	trading as	J.	Performa	40 (4)	pp. 519-5	P.	(1990) Ge	New York	I.	(2009) Gl	Auckland	I.	Ziggy's	U					
24	Marshall	F appropri	Deakin U	1971	Melbourr	Australia	P.D.	School of	Deakin U	Melbourr	Australia	there is	sc trading	as E.J.	Thomps	C.J.	Consume	31 (4)	pp. 868-8	P.	(2006) Pe	Ann Arbo	P.	What Doe	http://no	K.	von Maltz	C.-F.	C						
25	Bradley P.	Bowie an	Bournem	1971	United Kir	P.	School of	Bournem	United Kir	J.	School of	Bournem	United Kir	J.	School of	Bournem	United Kir	J.	School of	Bournem	United Kir	J.	School of	Bournem	United Kir	J.	School of	Bournem	United Kir	J.	School of	Bournem	United Kir		
26	Glen P.57	Sheffield	United Kir	1971	Manchester	United Kir	P.	University	Sheffield	United Kir	University	Manchester	United Kir	however	reinforc	but	to some	emerg	trading as	M.	(1959) Th	London: L	P.	(2006) Pe	Ann Arbo	J.	(1998) W	L							
27	Sharpe A.	Keele Uni	Keele	1971	United Kir	A.	School of	Keele Uni	Keele	United Kir	it will dra	in partic	on the w	work whi	of nature	the artic	we will j	gender ar	human/a	and the	si in the	pro consid	r trading	as S.	(2014) Bo	38p.	OR Books	M.	(2003) Ab	66p.	V				
28	No autho	Roy and	h whist	1971	O'N	Eloise Ma	art to be	there will	participat	change. T	games	creativity	but a thin	creating	a and a last	"I can't re	heart-bre	and real."	if the im	pact of wo	descried	here we	more wide	ly appreci	ated or	understo	d by commi	sioners-	the implic	ation may	be making	ful			
29	Graves-B	Grassroot	London	1971	United Kir	P.	UCL Insti	London	United Kir	H.	UCL Insti	London	United Kir	D.	(1969) Sp	opening	T UK Rele	as E.	(1999) El	Faith and	Lawrence	J.	Is Elvis	a C Culture	Question	1 (2)	pp. 197-2	P.	W						
30	Black J.	561 Sheffield	Sheffield	1971	United Kir	J.	Academy	Sheffield	Sheffield	United Kir	it is argu	maintain	reified	for Bowie's	r that is	his auth	was obs	interpret	however	were eng	envelop	Bowie's	r reinvent	C.	-2016	Ziggy's	16	12-Jan	p.5; Ad	C.	McB	K.			
31	Ulrich A.	S.A. "(No	ab T.	1971	Producing	p. 6.	ed. Timot	New York	Herzog	or p. 301;	P. B.	(2007) Th	p. 92.	New York	Cinema	p. 121;	Cf	Herzog	or p. 55;	Dor K.J.	Angel ot	t p. 123.	ed. Migre	Burlingt	VT: Ash	g Cinema	p. 26;	Cro	Herzog	or p. 257;	H. R.	Coming	t		
32	Bargár	P5 Czech	Rep P.	1971	Prague	Czech Rep	with Levir	interpret	N.	Strangers	mortality	and meta	387	pp. 528-5	February	D.F.	(1999) Sel	Cambridg	UK: Camb	retrieved	2016;	Phil P.	Which laz	http://th	e published	retrieved	2016;	htt	retrieved	2016;	htt	retrieved	2016;		
33	Schauer	laboratoi	université	1971	UFR SHS	chemin d	Amiens c	80025	France	S.	cité des	FI Paris	75017	France**	S.	Départ	laboratoi	université	UFR SHS	chemin d	Amiens c	80025	France	51	cité des	FI Paris	75017	France**	S.	Départ	laboratoi	université	UFR SHS		
34	FitzGibbo	n in conver	Cork	1971	Ireland; I	United Kir	G.	University	Cork	Ireland; V	E.	London	United Kir	Ger FitzG	Disco	pigs to	his reco	the s	recur	and the	he ir	to direct	and to	au G.	University	College	Cork	Ireland	; email: G.	Fitzgibbon	at ucc.ie	"Palgrave	Macmillan	9783319597102; 9783319	
35	Beouf B.	F. France	I. Quebec	1971	Canada**	B.	Montpell	France; D	J.	Laval Uni	Quebec	Canada**	B.	Montpell	France; D	J.	Laval Uni	Quebec	Canada**	B.	Montpell	France; D	J.	Laval Uni	Quebec	Canada**	B.	Montpell	France; D	J.	Laval Uni	Quebec	Canada**	B.	Montpell
36	Taubert M	Velindre	7 Whitc	1971	Cardiff	CF14 2TL	United Kir	M.	Departm	Velindre	7 Whitc	Cardiff	CF14 2TL	United Kir	M.	Departm	Velindre	7 Whitc	Cardiff	CF14 2TL	United Kir	M.	Departm	Velindre	7 Whitc	Cardiff	CF14 2TL	United Kir	M.	Departm	Velindre	7 Whitc	Cardiff	CF14 2TL	
37	Butler D.	S United	Kir D.	1971	London	United Kir	D.	20th Cent	21st Cent	D.	(1971) Th	London	Mercury	f D.	(1972) Th	New York	USA	RCA Reco	Ken Scott	; D.	(2015) Lai	The Magi	D.	(2016) Bla	RCA/Colu	Tony Visc	G.	N							
38	Ericsson	B Oakland	CA	1971	United St	B.	Europe an	Oakland	CA	United St	liner note	and state	trading as	M.	(1984) Ra	Blooming	Print; Bro	H.R.	(1969) Di	New York	Print; Bur	W.S.	(2001) Bu	1960-199	Lotring	(ed)	New York	P							
39	Idacavage	United St	S.	1971	Parsons	S United	St	http://wv	S.	Parsons	S United	St	http://wv	S.	Parsons	S United	St	http://wv	S.	Parsons	S United	St	http://wv	S.	Parsons	S United	St	http://wv	S.	Parsons	S United	St	http://wv	S.	
40	Ansell-Pe	1947-201	K."(No	1971	see also	Radical	Pf March	/Ar/	Radical	Pf January	/F	respectiv	N.	(2011) Th	7p.	Cited in	Titan Bo	London; J.	A.	Melody N	64p.	Interview	29 Octob	r in Sea	eg Ed	Chicago	R Chicago	; J.	The Shift	35p.	15-21 Jan	S.	T		
41	Waldep	S United	St	1971	University	United St	D.	(2014) Da	http://wv	Accessed	M.	(1996) Pe	New York	J.	(2013) Su	New Hav	J.	(2011) Liti	Oxford: C	M.	(1985) Th	Translate	S.	Horne	H.	(1									
42	Chapman	New Zeal	University	1971	New Zeal	I.	University	New Zeal	H.	Departm	University	New Zeal	and from	bands	and move	as well	as regional	and cultu	and using	the volum	in its origi	term-defi	had its bli	and featu	T. Rex	Slade	and Roxy	stateside	Suzi Quat	The New	a				

.. I dag handler det om ”rensning og wrangling”

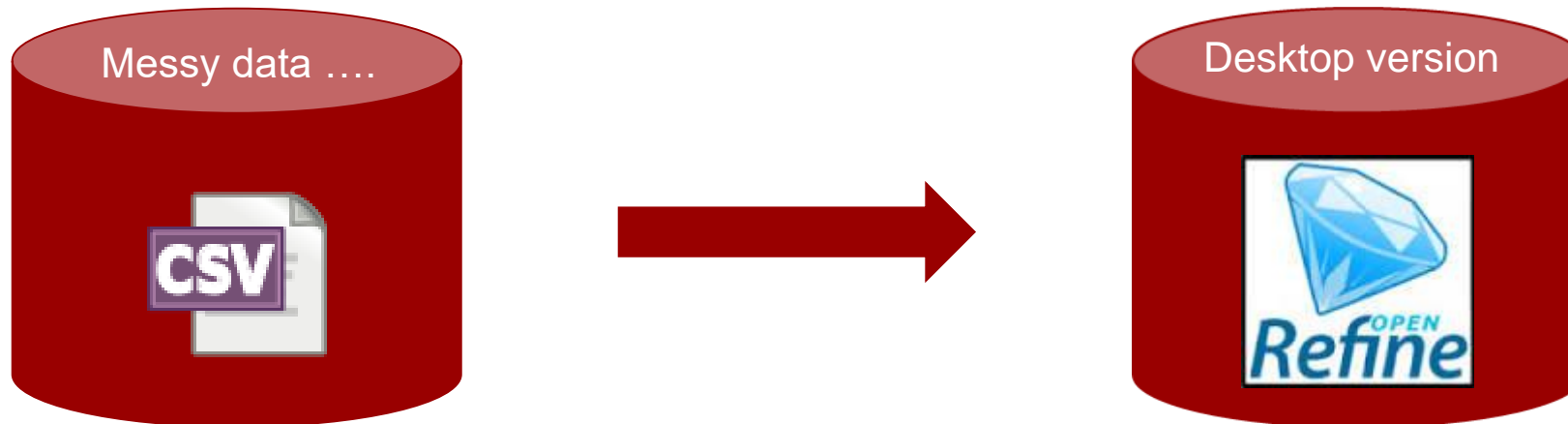
Adgang til ”dataset”	Rensning af dataset	Visualisering af dataset
<p>A data set (or dataset) is a collection of data. In the case of tabular data, a data set corresponds to one or more database tables, where every column of a table represents a particular variable, and each row corresponds to a given record of the data set in question....</p> <p>https://en.wikipedia.org/wiki/Data_set</p>	<p>Data cleansing or data cleaning is the process of detecting and correcting (or removing) corrupt or inaccurate records from a record set, table, or database and refers to identifying incomplete, incorrect, inaccurate or irrelevant parts of the data and then replacing, modifying, or deleting the dirty or coarse data.</p> <p>https://en.wikipedia.org/wiki/Data_cleansing</p>	<p>Data visualization is the graphic representation of data. It involves producing images that communicate relationships among the represented data to viewers of the images.</p> <p>https://en.wikipedia.org/wiki/Data_visualization</p>
 <p>http://scopus.com.proxy.findit.dtu.dk</p>	 <p>http://openrefine.org/download.html</p>	 <p>https://www.vosviewer.com/download</p>

Whaat, really ...both
TSV, CSV, TXT, XML,
RDF, JSON files –
impressing, I like 😊

Hvad er “OpenRefine”

OpenRefine, formerly called **Google Refine** and before that **Freebase Gridworks**, is a standalone open source desktop application for data cleanup and transformation to other formats, the activity known as **data wrangling**.^[3] It is similar to **spreadsheet** applications (and can work with spreadsheet file formats); however, it behaves more like a database.

Kilde: <https://en.wikipedia.org/wiki/OpenRefine>



Original fil ændres IKKE

Et stærkt værktøj, når det handler om “rensning”

- Eks fra <https://librarycarpentry.org/lc-open-refine/01-introduction/index.html>
- Get an **overview of a data set**
- **Resolve inconsistencies** in a data set, for example standardizing date formatting
- Help you **split data** up into more granular parts, for example splitting up cells with **multiple authors into separate cells**
- Match local data up to other data sets, for example in matching local subjects against the Library of Congress Subject Headings
- **Enhance a data** set with data from other sources

- Where you have a list of names or terms that differ from each other but refer to the same people, places or concepts. For example:

Data you have	Desired data
London	London
London]	London
London,]	London
london	London



credit: <https://flic.kr/p/2aB3ABj>

Today's assignment..

..... Simon/Jeannette says...

- Open "OpenRefine"
- Import your *.csv file from last session
- Click **NEXT**

Select:

- CSV/TSV/separator-based files; choose CSV (comma)
- & UTF-8 (as character encoding)

& follow the guide 😊



<https://www.clipartwiki.com/clipart/colorful-music-note-clip-art-free-clipart-images/>

God guide fra Universite de Lille

https://ged.univ-lille.fr/nuxeo/nxfile/default/9b2701b4-7b8f-4754-8693-7072ee219706/blobholder:0/tutorial_openrefine_vosviewer_feret.pdf

Curating data with OpenRefine to visualize them in VOSviewer

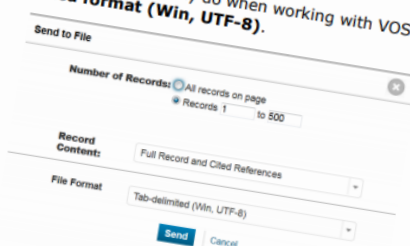
If you choose to create a map based on bibliographic data to visualize keywords co-occurrences in VOSviewer you will visualize keywords as they are indexed in the Web of Science or Scopus. If written in a different manner, occurrences of the same term will be considered as different items: e.g. "climate-change" and "climate change", or "city" and "cities", while they are the same concept.

A small number of this kind of errors should not affect too much your visualization in VOSviewer but too many of them could blur the picture and diminish the relevance of the map. Most of these issues can be solved in few steps thanks to OpenRefine. This tutorial explains how.

Curating data from Web of Science

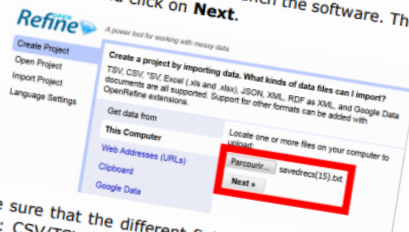
Exporting data from the Web of Science

Export data from the WoS as you usually do when working with VOSviewer. As file format, select the **Tab-delimited format (Win, UTF-8)**.



Creating a project in OpenRefine

Download OpenRefine on your computer and launch the software. Then upload the file you want to clean in OpenRefine and click on **Next**.



Then you must make sure that the different fields of the file are well recognized. Select the following options: CSV/TSV/separator-based files; **separated by tabs** (TSV); then choose **UTF-8** as the Encoding character and Parse next **1 line** as column header and create your project.

Université de Lille

Page 1

Supplerende information, skulle I ønske mere...

- Online kursus fra Library Carpentry
<https://librarycarpentry.org/lc-open-refine/>
- Eller en “gammel ven” Thomas Padilla
<http://thomaspadilla.org/dataprep/>