# Leganto analytics: success through collaboration

IGELU September 2022

Laura MacNeil & Angela Laurins
University of Edinburgh





#### Overview

- Introductions
- Sharing knowledge & working together
- Challenges & benefits
- Reports & dashboards
- Key questions
- Time for questions

#### Laura MacNeil, Information Systems Analyst

- In post Feb 2020 (new role)
- Alma & Primo support
- Accessibility
- Analytics
- Analytics COP & Leganto Analytics Focus Group

# Angela Laurins, Library Learning Services Manager

- Using Leganto (Resource Lists) since June 2017
- Resource Lists preferred route to managing materials for teaching
- Leganto PWG
- Limited analytics before data analyst in post
- No capacity (or capability!)

## Aims & objectives

#### Robust and reliable analytics to:

- 1. Support operational processes
- 2. Inform & support policy decisions
- 3. Support funding & recruitment
- 4. Support engagement activity
- 5. Reply to ad hoc demands

#### Our Approach

- Recognised complimentary skills
- Weekly meetings
- Shared testing (manual cross check)
- Iterative process
- Learning from experience
- Co-created reports & dashboards

## Challenges

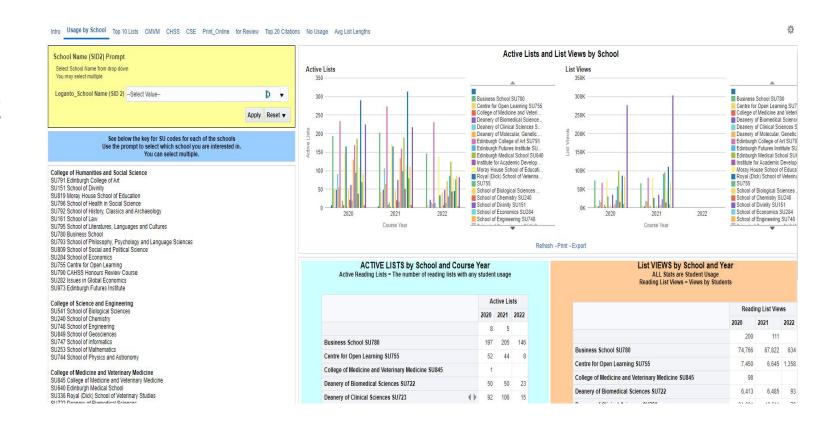
- Working out what was really needed?
  - Counts v insights
  - Practical application v interesting to know
- Lack of expertise or lack of functionality?
- Understanding data course codes, list structure, processes, messy data
- Understanding definitions—student views, material type, citation material type, resource material type

#### Benefits of collaboration

- Confidence that reports are reliable and methodology is robust
- Foundation on which to build future reports
- Both have better understanding of analytics capabilities
- Mutual understanding of data
- Opportunity to engage with wider community
- Responsiveness to ad hoc requests
- Opportunity to reduce role as gatekeeper

### Output: set of dashboards

- Operational
- 2. Usage & Engagement
- 3. Schools



### 1. Operational dashboard

#### Reports:

- Counts:
  - Number of lists
  - Number of courses with lists
- Lists not associated with a course
- Lists sent for review
- Lists with Digitisation tag
- Lists with Key text tag

#### **Counts**

#### PIVOT\_Course Reserves\_Count List Codes by Semester

Course Year is not nu

- and Processing Department is equal to / is in Leganto Team
- and Leganto Publication List Visibility is not equal to / is not in Archived , Deleted , Draft
- and Course Code is not equal to / is not in EXLIBRIS\_DEFAULT\_COURSE
- and Searchable ID 2 is equal to SU 945 , SU151 , SU161 , SU240 , SU253 , SU282 , SU284 , SU336 , SU429 , SU541 , SU640 , SU722 , SU723 , SU724 , SU741 , SU744 , SU747 , SU748 , SU755 , SU780 , SU791 , SU792 , SU793 , SU795 , SU796 , SU899 , SU819 , SU845 , SU849 , SU945 , SU946 , SU973 , SU796 , SU879 , SU849 , SU845 , SU849 , SU945 , SU946 , SU973 , SU796 , SU879 , SU849 , SU849

Count of Reading Lists by Semester

	2016			2016 : Total	017				2017 Total	2018				2018 Total	201	19				2019 Total		020				2020 Total	2021					Grand Total
Reading List Status	Semester 1	Seme 2	ester		Autum	Semester 1	Semester 2	Yearly		Autun	Semester 1	Semester 2	Yearly			Semester 1	Semester 2	Semester 2,Spring	Yearly			Autumn	Semester 1	Semester 2	Yearly		Semester 1	Semester 2	Summer	Yearly		
	0		0	0	0	0 0	0	0	0	0	C	0	0	0	0	0	0	li .	0	0	0 0	0	0	.0	0	0	0	0	0	0	- 1	0 0
Being Prepared					8 3	8 172	141	70	429	24	1 168	184	111	482	10	257	294	1	140	692	2 2		413	392	163	943	362	369		160	881	1 3,417
Complete					8 5	3 437	493	206	1,197	59	516	536	308	1,395	21	758	771		374	1,900	0		791	790	366	1,931	1 797	819		338	1,934	4 8,348
Ready For Processing											-1			1													2	6		2	10	0 11
Grand Total	0		0	0	16 9	1 609	634	276	1,626	83	1 685	720	419	1,878	31	1,015	1,065	1	514	2,592	2 2	0	1,204	1,182	529	2,874	1 1,161	1,194	0	500	2,825	5 11,776

#### PIVOT\_Course Reserves\_Count List Codes

Course Year is not null

and Processing Department is equal to / is in Leganto Team

- and Leganto Publication List Visibility is not equal to / is not in Archived , Deleted , Draft
- and Course Code is not equal to / is not in EXLIBRIS\_DEFAULT\_COURSE
- and Searchable ID 2 is equal to SU 945, SU151, SU161, SU240, SU253, SU282, SU284, SU336, SU429, SU541, SU640, SU722, SU723, SU724, SU741, SU744, SU747, SU748, SU755, SU780, SU791, SU792, SU793, SU795, SU796, SU899, SU819, SU845, SU849, SU945, SU946, SU973, SU796, SU899, SU819, SU845, SU849, SU945, SU946, SU973, SU796, SU879, SU796, SU879, SU796, SU879, SU796, SU879, SU796, SU7979, SU7979

Reading List Status	2016	2017	2018	2019	2020	2021	<b>Grand Total</b>
	0	0	0	0	0	0	0
Being Prepared		429	482	692	943	881	3,417
Complete	1	1,197	1,395	1,900	1,931	1,934	8,348
Ready For Processing			1			10	11
Grand Total	0	1,626	1,878	2,592	2,874	2,825	11,776

Count of Reading Lists by Year

37,702

#### **Count of Courses** by Year

PIVOT\_Course Reserves\_Count Course Codes

to / is in Leganto Team

not in EXLIBRIS\_DEFAULT\_COURSE

ty is not equal to / is not in Archived , Deleted , Draft

and Searchable ID 2 is equal to SU 945 , SU151 , SU161 , SU240 , SU253 , SU282 , SU284 , SU336 , SU429 , SU541 , SU640 , SU722 , SU723 , SU724 , SU741 , SU744 , SU747 , SU748 , SU755 , SU780 , SU791 , SU792 , SU793 , SU795 , SU796 , SU899 , SU819 , SU845 , SU849 , SU945

SU946 , SU973 , su792

	2016	2017	2018	2019	2020	2021	<b>Grand Total</b>
Course Status	2	9,784	5,530	6,394	6,145	6,303	
Active		- 1	8		8 8	6,882	6,883
Inactive	2	11,478	5,857	6,913	6,570	2	30,820
Grand Total	2	11,479	5,857	6,913	6,570	6,884	37,702

Course Reserves\_Courses with Published Lists

2 11,479 5,857 6,913 6,570 6,884

Processing Department is equal to / is in Leganto Team

and Course Year is not null

and Course Code is not equal to / is not in EXLIBRIS\_DEFAULT\_COURSE

**Grand Total** 

and Leganto Publication List Visibility is not equal to / is not in Archived , Deleted , Draft

and Searchable ID 2 is equal to SU 945, SU151, SU161, SU240, SU253, SU282, SU284, SU336, SU429, SU541, SU640, SU72 SU724, SU741, SU744, SU747, SU748, SU755, SU780, SU791, SU792, SU793, SU795, SU796, SU899, SU819, SU845, SU946, SU973, su792

 Course Year
 2016
 2017
 2018
 2019
 2020
 2021
 Grand Total

 Associated with Reading List
 2
 10,049
 4,057
 4,413
 3,683
 3,963
 26,166

 Yes
 1,430
 1,800
 2,502
 2,887
 2,921
 11,539

Count of Courses with Published Lists



#### Lists sent for review

**ORACLE** Analytics

EUL - NEW Leganto Operatio...

Home Catalog F

Prompts for Course Year and Date Sent for Review

Course Reserves Lists Sent for Review Num Citations

Course Year is equal to 2021, 2022 and Processing Department is equal to / is in Leganto Team and Leganto Last Sent for Library Review Date (Calendar) is greater than or equal to 01/07/2022

Course Year: 2021,2022 Date(s) Sent for Review between: 01/07/2022

Reading List Code	Reading List Name	Course Code	Course Name	Course Term	School (Mapped)	Number Of Participants	Number Of Citations	Course Instructor With Primary Identifier	Leganto Review Requester Name and ID	Reading List Status	Leganto Last Sent for Library Review Date (Calendar)
0.03562471305433701	Music, Racism and Western Ideology	MUSI101162022-3SV1SEM1	Music, Racism and Western Ideology	Semester 1	Edinburgh College of Art		0 63	168796 - Grant, Morag	168796 - Grant, Morag	Ready For Processing	20/07/2022
0.04918263526818656	Commodities of Empire: Colonialism, Ecology, Culture	ENLI112652022-3SS1SEM1	Commodities of Empire: Colonialism, Ecology, Culture	Semester 1	School of Literatures, Languages and Cultures		0 26	254866 - Bhattacharya, Sourit	254866 - Bhattacharya, Sourit	Ready For Processing	28/07/2022
.06449987216185238	The English Discovery of Russia, 1553-1648	HIST104842022-3SV1SEM1	The English Discovery of Russia, 1553-1648	Semester 1	School of History, Classics and Archaeology		0 179	256594 - Zhukova, Tatyana	256594 - Zhukova, Tatyana	Ready For Processing	01/08/2022
.09115621088345005	Representations of Blackness in Britain and Europe, 1800 - 1950	HIST104802022-3SS1YR	Representations of Blackness in Britain and Europe, 1800 - 1950	Yearly	School of History, Classics and Archaeology		0 89	253334 - Rowe, Rochelle	253334 - Rowe, Rochelle	Ready For Processing	06/07/2022
.09499971050827372	From Perception to Cognition: A Journey in Colour	PSYL101662022-3SV1SEM1	From Perception to Cognition: A Journey in Colour	Semester 1	School of Philosophy, Psychology and Language Sciences		0 9	182512 - Martinovic, Jasna	182512 - Martinovic, Jasna	Ready For Processing	27/07/2022
.12488532377716788	Business Transformation in the Digital Age (MBA)	CMSE115622022-3SS1SB2	Responsible Management of Digital Innovation	Semester 1	Business School	3	6 22	177808 - Curchod, Corentin	177808 - Curchod, Corentin	Ready For Processing	05/07/2022
.17422243752099176	Illustration 3B: All in the Plan	DESI100842022-3SV1SEM2	Illustration 3B: All in the Plan	Semester 2	Edinburgh College of Art	2	7 5	146714 - Roscoe, Lucy	146714 - Roscoe, Lucy	Ready For Processing	04/07/2022
3116129665661944	Language and Intercultural Communication Pedagogy	EDUA114132022-3SS1SEM1	Language and Intercultural Communication Pedagogy	Semester 1	Moray House School of Education	7	7 54	251022 - Simpson, Ashley	251022 - Simpson, Ashley	Ready For Processing	01/08/2022
.3267841590562479	Archaeology 2A	ARCA080132022-3SV1SEM1	Archaeology 2A: Scotland before History	Semester 1	School of History, Classics and Archaeology	5	3 148	141741 - Romankiewicz, Tanja	141741 - Romankiewicz, Tanja	Ready For Processing	04/07/2022
).3335506662103689	Rheumatology	IMED110272021-2SS1SEM2	Rheumatology	Semester 2	Deanery of Clinical Sciences	-1	9 51	123750 - Parry, Frances	254113 - Garcia, Madeline	Ready For Processing	01/07/2022
.4194976366744676	Renal Medicine	IMED110152021-2SS1SEM2	Renal Medicine	Semester 2	Deanery of Clinical Sciences	2	4 37	123750 - Parry, Frances	254113 - Garcia, Madeline	Ready For Processing	01/07/2022
.4357070264069087	Syntactic variation and competition	LASC101112022-3SV1SEM1	Guided Research in Linguistics and English Language A	Semester 1	School of Philosophy, Psychology and Language Sciences	11	9 11	119173 - Van Bergen, Linda	8601 - Heycock, Caroline	Ready For Processing	04/07/2022
0.49164698878668855	Introduction to Participatory Methods	EFIE111062022-3SV1SEM1	Introduction to Participatory Methods (fusion on-site)	Semester 1	Edinburgh Futures Institute	1	0 13	176982 - Elsden, Chris	176982 - Elsden, Chris	Ready For Processing	05/07/2022
		EFIE111072022-3SV1SEM1	Introduction to Participatory Methods (fusion online)	Semester 1	Edinburgh Futures Institute	1.0	0 13	176982 - Elsden, Chris	176982 - Elsden, Chris	Ready For Processing	05/07/2022
.6507879903489184	Respiratory	IMED110132021-2SS1SEM2	Respiratory	Semester 2	Deanery of Clinical Sciences	2	7 50	123750 - Parry, Frances	254113 - Garcia, Madeline	Ready For Processing	01/07/2022
0.6635601691892394	Culture, Heritage and Learning Futures	EFIE110592022-3SV1SEM1	Culture, Heritage and Learning Futures (fusion	Semester	Edinburgh Futures		0 49	117303 - Ross, Jen	117303 - Ross, Jen	Ready For	19/07/2022

EUL - NEW Leganto Operational Dash: CHECK\_Lists Sent for Review > Course Reserves\_Lists Sent for Review\_Num Citations

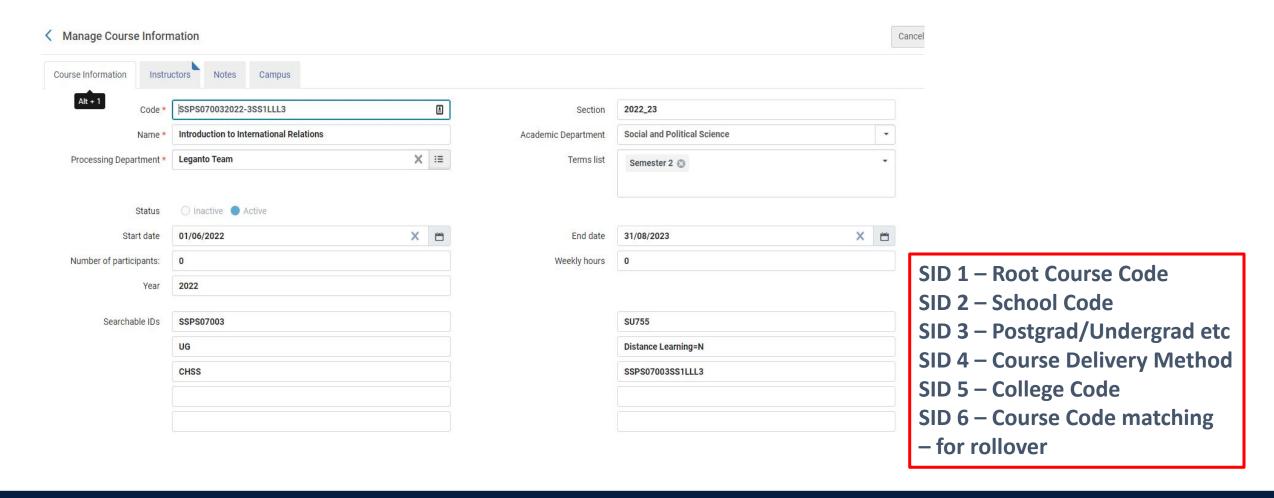


## 2. Engagement dashboard

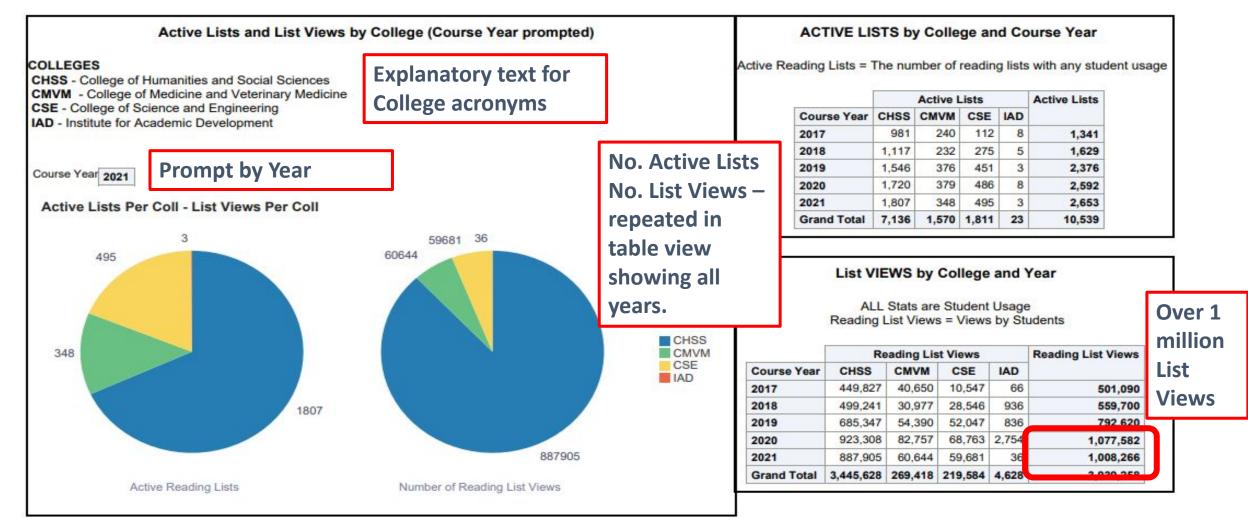
#### Reports:

- Student views
- Active lists
- Usage by School/College
- Usage by course (citation views)
- Instructor activity

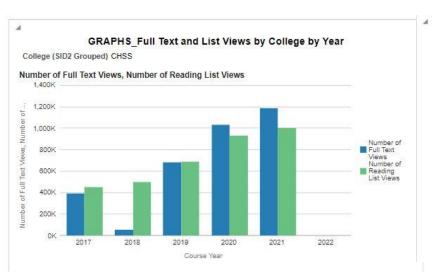
#### Alma course info – Searchable ID (SID) Mapping

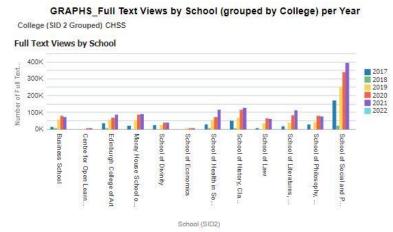


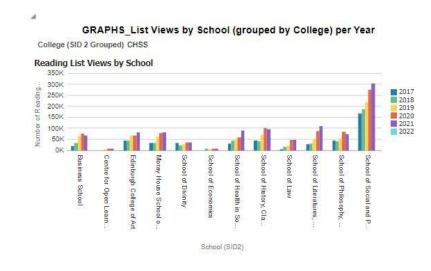
#### **Active Lists & List Views - Overview**



## Views – Full Text/List by College & School







Full Text AND List Views by year (College selected at prompt level)

Full text views by school (Grouped by college selected in prompt)

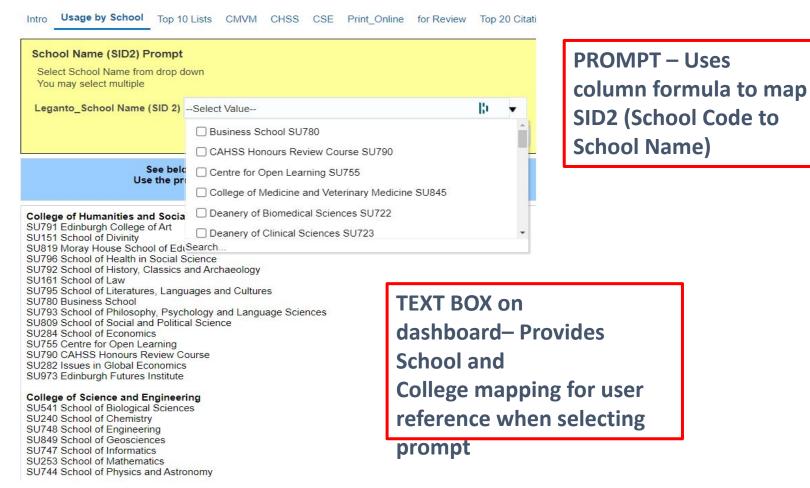
List views by school (Grouped by college selected in prompt)

#### 3. Schools dashboard

#### Reports:

- Usage by School
- Top 10 lists
- College tabs
- Print / Online
- Top 20 citations
- No usage
- Average list lengths

## Usage by School dashboard tab – showing "mapped" prompt



#### Schools Dash – Usage by School Prompted



#### Schools Dash - Top 10 Lists

Key for School Code and Name mapping

School Name (SID2) School of Divinity

#### College of Humanities and Social Science

SU791 Edinburgh College of Art SU151 School of Divinity SU819 Moray House School of Education SU796 School of Health in Social Science SU792 School of History, Classics and Archaeology SU161 School of Law SU795 School of Literatures, Languages and Cultures

SU780 Business School
SU793 School of Philosophy, Psychology and Language Sciences
SU809 School of Social and Political Science
SU284 School of Economics

SU755 Centre for Open Learning SU790 CAHSS Honours Review Course SU282 Issues in Global Economics SU973 Edinburgh Futures Institute

#### College of Science and Engineering

SU541 School of Biological Sciences SU240 School of Chemistry SU748 School of Engineering SU849 School of Geosciences SU747 School of Informatics SU253 School of Mathematics SU744 School of Physics and Astronomy

#### College of Medicine and Veterinary Medicine

SU845 College of Medicine and Veterinary Medicine
SU640 Edinburgh Medical School
SU336 Royal (Dick) School of Veterinary Studies
SU722 Deanery of Biomedical Sciences
SU723 Deanery of Clinical Sciences
SU724 Deanery of Molecular, Genetic and Population Health Sciences

#### Institute for Academic Development

SU945 SU946

#### OTHER

SU429 Registry SU741 External Credits

#### DEFINITIONS

Number of Citation Views = The total number of times users have accessed the full view of a citation

Activity Score = The average number of citations interacted with by each student

Reading List Views = The total number of reading list views
Total Events = The total number of events that a user performed
who accessed Leganto from both a CMS and by permalinks
Reading List Number of Participants = The number of

participants on the reading list

Active Students = The number of students that interacted with the citation in any way, for example, selected, liked, commented, or viewed the material

Active Citations = The active citations of the reading list

Top 10 Lists by Citation Views

Top 10 Lists by List Views

Top 10 Lists by Activity Score

Top 10 Lists by Total Events

Text from Knowledge base explaining data definitions

Choice of "Top 10" lists by varying criteria



## **Key questions**

- 1. What percentage of 'suitable' courses have a Resource List?
- 2. How much Resource List content is provided online?

## Key question 1: Percentage of 'suitable' courses with Resource Lists

- Resource Lists not 'suitable' for all courses
- Process of identifying and removing 'unsuitable' courses

• Exclusion list includes terms such as: 'project', 'placement', 'field

work', 'dissertation', 'portfolio' & others

- Used file as filter in Alma Analytics
- Report generated and exported from Alma
- One off report not included on dashboard

Out of 6844 courses 4956 were 'suitable'

Of these 61% had Resource Lists

# Key question #2: How much Resource List content is provided online?

(our BIG question)

Online means: content on Resource Lists which is available online either provided by the library or hosted externally, including:

- E-books
- Ejournal articles
- E-reserve scans
- Websites & blogs
- Streaming media

## Four assumptions

- 1. Not covered + no URL = No access
- 2. Not covered + URL= Online external content
- 3. Covered + no URL= Physical content (BUT could be e-books & ejournal articles?)
- Covered + URL = Online (includes scans provided for teaching)

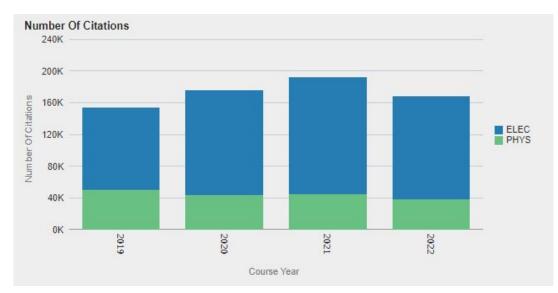
Citation Covered by Library - Indicates if the citation is available through the library, either as part of the library's holdings or as a resource that is subscribed to by the library (SOURCE: Ex Libris Knowledge Centre)

#### **Additional Groupings**

- Identified Citation Material types that we could satisfactorily assume were online = E-book/Case/Document
- Identified Resource Types that we assumed were online
  - = Book-Electronic
- Combined with identification of Citation Source URL
- Created SQL query to group these identified values

CASE WHEN "Reading List Citations". "Citation Material Type" IN ('E-book', 'Case', 'Document') OR "Bibliographic Details". "Resource Type" IN ('Book - Digital', 'Book - Electronic') OR CONCAT ("Reading List Citation". "Citation Source 1", "Reading List Citation". "Citation Source") LIKE concat (concat ('%', 'http'), '%') THEN 'ELEC' ELSE 'PHYS' END

### Schools Dashboard – Print/Online



	Number Of	Citations	Number O	of Citations	Number Of Citations	Number Of Citations
ELEC_PHYS	ELEC	PHYS	ELEC	PHYS	Number Of Citations	Number Of Citations
Course Year						
2019	103,511	50,303	67.3%	32.7%	153,814	100.0%
2020	132,482	43,356	75.3%	24.7%	175,838	100.0%
2021	147,636	44,803	76.7%	23.3%	192,439	100.0%
2022	129,843	38,035	77.3%	22.7%	167,878	100.0%

Overall:

77% Online 86% "Essential "Online

Shows Print (Physical) v Online (Elec) citations by Academic year

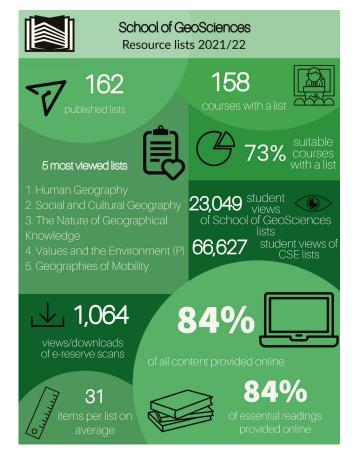
Graph and table show the same information.

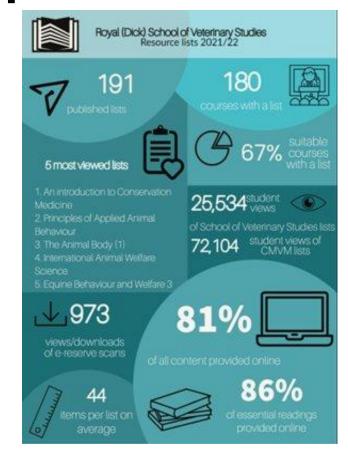
Table provides raw numbers and percentages.

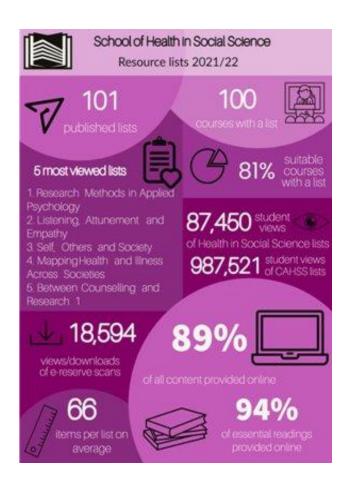
	Number Of	f Citations	Number O	f Citations
	ELEC	PHYS	ELEC	PHYS
2019	27,133	8,313	76.5%	23.5%
2020	35,082	6,501	84.4%	15.6%
2021	37,748	6,238	85.8%	14.2%
2022	34,350	5.799	85.6%	14.4%

% of Citations tagged as "Essential" which are available online

### Mission accomplished!







# Thank you Questions and/or answers welcome

Laura.MacNeil@ed.ac.uk

Angela.Laurins@ed.ac.uk





