

Visualising your Institutional Ally Data with Looker (formerly Google) Data Studio

Tom Foster | Rob Spark | Digital Learning Adviser



## Ally at The University of Sheffield

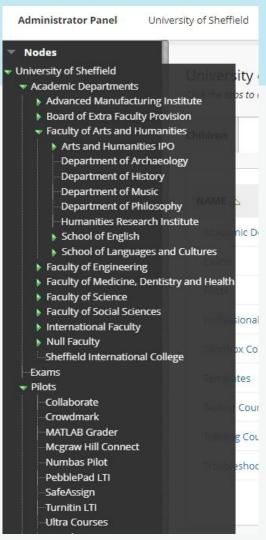
- Ally was enabled on all courses in 2019
- Around ~ 4500 courses are created each year vast majority via the integration with our SIS
- Teaching is delivered by around 42 Academic Departments, distributed across 5 Faculties
- The institutional hierarchy has been in place since 2017

## The Institutional Hierarchy

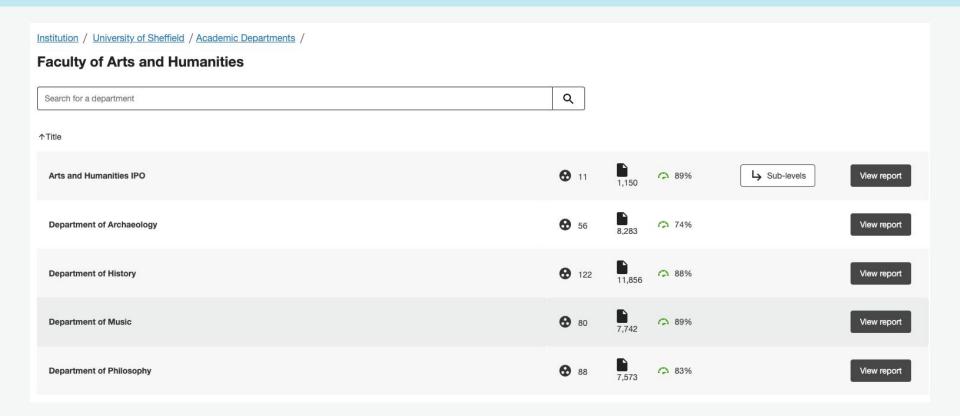


The <u>Institutional Hierarchy</u> allows administrators to create a multi-level framework within Blackboard Learn that mirrors their institution.

This can be used to selectively release tools or permissions to certain areas, and is increasingly used for reporting.



## **Ally & Institutional Hierarchy**



## Requests for departmental level data

- "I've been asked to put together a report for our Faculty Education Committee that includes some digital accessibility information"
- "Have recently joined as a Learning Technologist, I was wondering if it is possible to get a summary from you about the Ally accessibility scores?
- "Would it be possible to generate a Blackboard Ally Accessibility report for all modules? I only see module specific options and it would be great to see an overview so we can target improvements."
- "Could I request an Ally report or reports on all our 21/22 modules?
  We would like to capture how things are now and compare them later"

## Exported CSV: Not for the faint hearted

103978 1

18177 1

50851 1

7262 1

6012 1

95047 1

53494 1

9439 1

98595 1

50237 1

30993 1

69025 1

23401 1

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30090 1

69134 1

9218 1

18515 1

1346 1

101821 1

Academic Year 2022-2023

Academic Year 2012-2013

Academic Year 2015-2016

Academic Year 2011-2012

Academic Year 2011-2012

Academic Year 2020-2021

Academic Year 2016-2017

Academic Year 2011-2012

Academic Year 2021-2022 Academic Year 2015-2016

Academic Year 2013-2014

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Academic Year 2012-2013

Academic Year 2018-2019

Academic Year 2017-2018

Academic Year 2011-2012

Academic Year 2018-2019

Academic Year 2020-2021

Academic Year 2016-2017

Academic Year 2016-2017

Academic Year 2013-2014

Academic Year 2017-2018

Academic Year 2015-2016

Academic Year 2019-2020

Academic Year 2013-2014

Academic Year 2017-2018

Academic Year 2011-2012

Academic Year 2012-2013

271 1

187 1

273 1

174 1

186 1

276 1

184 1

40 1

268 1

266 1

187 1

Information School

Department of Mechanical Engineering

Sheffield University Management School

General engineering course in IPE

Department of Materials Science and Engir 69054 1

Department of Journalism Studies

Department of Philosophy

Sandbox Courses

School of Education

School of East Asian Studies

Department of Mechanical Engineering

338 1, 445 1 PebblePad LTI, Woodlap

Exported C3v. Not for the failit hearted										
В	С	D	E	F	G	н	1	J	К	L
Term name	Department id	Department name	Course id	Course code	Course name	Course url	Number of stude	Observed delete	Last checked on	Ally enabled
Academic Year 2018-2019	_178_1	Department of Computer Science	_71662_1	COM6905.A.19	6 COM6905 Rese	https://vle.shef.a	126		2019-08-15 10:1	TRUE
Academic Year 2015-2016			_46261_1	GER.CUST000	1 GER Dutch Stu	d https://vle.shef.a	27		2019-06-14 22:0	TRUE
			_88240_1	NEU679.A.2208	NEU679 Introdu	https://vle.shef.a	0	2020-05-05	2020-04-28 19:5	TRUE
Academic Year 2015-2016			_51437_1	LAW6640.A.161	LAW6640 Disse	er https://vle.shef.a	1	2019-08-27	2019-06-14 21:4	TRUE
Academic Year 2020-2021	_230_1	Academic Unit of Medical Education	_94964_1	MDEC007.20	MDE MBChB P	h https://vle.shef.a	67		2021-07-08 22:0	TRUE
Academic Year 2019-2020	_295_1	Modern Languages Teaching Centre	_80707_1	MLT320A.B.204	MLT320A French	https://vle.shef.a	0		2019-06-14 15:5	TRUE
Academic Year 2019-2020	_238_1	School of Nursing and Midwifery	_81538_1	SNM631.B.2111	SNM631 Holisti	c https://vle.shef.a	0		2019-06-14 15:5	TRUE

MAT6053.C.1

CIV350.A.11

EDUT227.17

sandox203

INF6034.A.2449 INF6034 Digital / https://vle.shef.a

CIV4501.A.1131 CIV4501 Advanc https://vie.shef.a

MAS362.A.1558 MAS362 Financi https://vle.shef.a

MLT207M.A.9 MLT207M Italian https://vle.shef.a

SANDBOX.CS1l Laura McNally S https://vie.shef.a

RUS3011.B.169 RUS3011 Pushk https://vie.shef.a

COL52209.A.8 COL52209 Rese https://vle.shef.a

MEC327.A.2294 MEC327 Structu https://vle.shef.a

EEE499.A.1591§ EEE499 Erasmu https://vie.shef.a

MEC6445.A.128 MEC6445 Additi https://vie.shef.a

JNL6048.B.1906 JNL6048 Langua https://vie.shef.a

MAT3820.A.103l MAT3820 Introdu https://vle.shef.a

PHI356.B.20587 PHI356 Philosop https://vle.shef.a

MATS64571.C.1 MATS64571 Hig https://vle.shef.a

MGT6163.A.191 MGT6163 Leade https://vie.shef.a

GEE31002.A.22: GEE31002 Reac https://vie.shef.a

MGT6137.A.170 MGT6137 Leade https://vle.shef.a

SANDBOX.CM6 Scharr Tel's San https://vie.shef.a

TRP653.A.16844 TRP653 Commu https://vie.shef.a

APS211.B.12611APS211 Insects https://vie.shef.a

SNM134.B.1435 SNM134 User exhttps://vie.shef.a

EAS172.A.2106 EAS172 Korean https://vie.shef.a

MLT107BI.A.120 MLT107BI Italian https://vle.shef.a

MEC319.B.1909 MEC319 Sensor https://vie.shef.a

MGT6906.A.3 MGT6906 Projec https://vle.shef.a

MAT6512.B.1039 MAT6512 Engine https://vle.shef.a

MAT6053 RTP E https://vle.shef.a

CIV350 Geotech https://vie.shef.a

EDUT227 MA/La https://vle.shef.a

Sandox Course : https://vle.shef.a

0

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27

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0

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2

42

91

3

5

48

102

TRUF

TRUE

TRUF

TRUE

2022-06-07 03:2

2019-06-14 21:5

2019-06-15 02:4

2022-09-16 12:1

2019-06-14 21:1

2022-07-07 07:4

2019-06-14 21:5

2019-06-14 18:0

2019-06-14 16:2

2019-06-14 18:0

2019-06-15 02:4

2019-06-14 17:0

2020-06-03 21:5

2022-02-24 13:5

2019-06-14 19:5

2019-06-14 18:2

2019-06-15 03:0

2019-06-14 22:1

2020-06-02 15:0

2020-02-14 07:4

2019-06-15 01:5

2019-08-27 2019-06-14 20:0

2019-08-27 2019-06-15 01:0

2019-08-27 2019-06-15 02:3

2019-08-27

2019-08-27 2019-06-15 02:5

2019-08-27 2019-06-15 02:2

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235 61 0

0.5629199254

0.7486364967

0.9725048077

0.9716433182

0.5998234477

0.6062596622

0.7559179288

0.7223255032

0.3014614728

0.796601858

0.9058452209

0.7251958868

0.5871320497

0.25

0.527375

0.5976784506 0.5585947628

Files score

0.3500023777

0.4024125451

0.4698423571

0.910640625

0.8433268356

0.5998234477

0.3208033328

0.506546875

0.2092016673

0.6012682321

0.8851579118

0.672348942

0.5269287161

0.25

0.05475

0.392

Total file Total V Overall score

25

0

0.9719163861

0.9228828339

0.9985483871

0.9651190476

0.9580945559

0.8949484057

0.9919354839

0.9845248227

0.6211286632

0.9807692308

WYSIWYG score pd

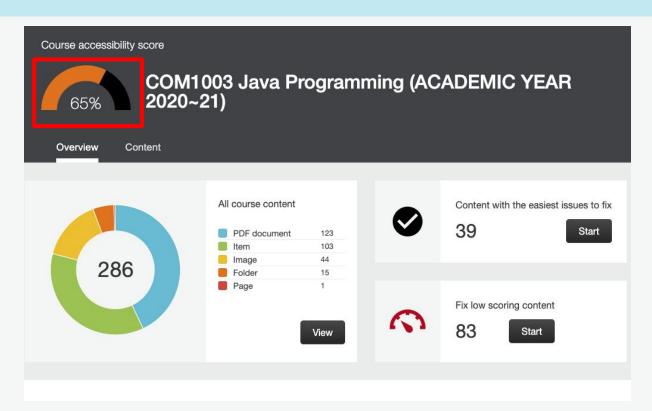
0.9995

# **Questions departments wanted answering**

- 1. What is the Departmental Ally score? (Overall & File)
- 2. Do I have Critical Accessibility issues in the department?
- 3. What are the individual Accessibility score(s) for courses in the department?
- 4. Have the accessibility of courses improved over time?

Also - relevant filters for Academic Year & Term to ensure the correct data is being accessed.

## **File Score is important**



File score: 41%

#### How to visualise this data?







### **Looker Studio = Ally Data Portal**

	A	8	C	0	Ε	F	- 0	Н		J	K.	L	M	N.	0	P	0	R	8
1	Term id	Term name	Department id	Department name	Course id	Course code	Course name	Course url	Number of stude 0	Observed deleta	Last checked on	Ally enabled	Total file T	otal V O	Iverall score	Files score	WYSIWYG score	odf	image
2	_630_1	Academic Year 2018-2019	_178_1	Department of Computer Science	71662_1	COM6905.A.1	96 COM6905 Rese	https://we.shel.a	126		2019-08-15 10:1	TRUE	10	9	0.6609583819	0.3500023777	0.9719163861		8
1	521_1	Academic Year 2015-2016			46261_1	GER CUSTOO	Of GER Dutch Stu	https://www.shet.s	27		2019-06-14 22:0	TRUE	69	25	0.5629199254	0.4024125451	0.9965	40	2
4					88240_1	NEU679.A.220	8 NEU679 Introdu	https://e.shel.o	0	2020-05-05	2020-04-28 19:5	TRUE		0				r	0
5	_521_1	Academic Year 2015-2016			51437_1	LAW8840 A.16	11-LAWI6840 Disse	https://www.hel.s	1	2019-08-27	2019-06-14 21:4	TRUE		0				-	0
t	671_1	Academic Year 2020-2021	_230_1	Academic Unit of Medical Education	94964_1	MDEC007.20	MDE MBChB P	https://ww.shel.a	67		2021-07-08 22:0	TRUE	5	8	0.7486364967	0.4666423571	0.9228828339		3
7	_637_1	Academic Year 2019-2020	_295_1	Modern Languages Teaching Centre	80707_1	MLT220A.B.20	4-MLT328A Frenc	https://vie.shel.a	0		2019-06-14 15:5	TRUE		0				r	0
8	_637_1	Academic Year 2019-2020	_238_1	School of Nursing and Midwillery	81538_1	SMM631.B.211	11 SNM831 Holisti	Mps/Weshelp	0		2019-06-14 15:5	TRUE	4	9	0.9725048077	0.910640625	1		1
9	756_1	Academic Year 2022-2023	271_1	Information School	103978_1	INF6034.A.244	9 INF6034 Digital	https://vie.shel.o	0		2022-06-07-03-2	TRUE		10	1		1	r	0
10	.73_1	Academic Year 2012-2013			_18177_1	CF/4501.A.113	11 CIV4501 Advan	https://vie.shel.s	0			TRUE		0				-	0
	521_1	Academic Year 2015-2016			50851_1	MAS382.A.158	8 MAS362 Financ	https://www.shel.a	102		2019-06-14 21:5	TRUE		1	1		1	ſ	0
12	426 1	Academic Year 2011-2012			7262 1	MAT6053.C.1	MATEOS3 RTP	https:///e.shel.a	9		2019-06-15 02:4	TRUE		1	1		1	1	0
13	426_1	Academic Year 2011-2012			6012_1	MLT207MA9	MLT207M Italia	https:///e.shel.o	0	2019-08-27	2019-06-15 02:5	TRUE		0				-	0
14	671 1	Academic Year 2020-2021	338 1, 445 1	PebblePed LTI,Woodiap	95047 1	SANDBOX.CS	1 Laura McNally 3	https://ww.shel.o	36		2022-09-16 12:1	TRUE	14	63	0.9716433182	0.8433268356	0.9885483871		1
15	605_1	Academic Year 2016-2017			53454_1	RU\$3011.B.16	8 RUS3011 Push	https://e.shel.a	16		2019-06-14 21:1	TRUE	38	0	0.5898234477	0.5998234477			7
16	426 1	Academic Year 2011-2012			9439 1	COL52299.A.8	COL52209 Res	https://www.shel.a	0	2019-08-27	2019-06-15 02:2	TRUE		0				-	0
17	716.1	Academic Year 2021-2022	187 1	Department of Mechanical Engineering	98585 1	MEC327.A.225	4 MEC327 Struct	https://vie.shel.a	110		2022-07-07-07:4	TRUE	64	35	0.6062589622	0.3208033328	0.9651190476	35	5
18	521 1	Academic Year 2015-2016			50237 1	EEE499.A.158	n: EEEE499 Erasm	https://e.shel.o	0		2019-06-14-21:5	TRUE		1	1		1	- 1	0
19	344 1	Academic Year 2013-2014			30993 1	MED8445.A.13	8 MEC6445 Addi	https://eshel.e	0			TRUE		0				-	0
30	618 1	Academic Year 2017-2018	273 1	Department of Journalism Studies	69025 1	JNL6048.B.19	06.JNL6048 Langu	https://e.shel.o	50		2019-06-14 18:0	TRUE	5	9	0.7559179288	0.392	0.5580945558	-	0
21	73 1	Academic Year 2012-2013			23401 1	MAT3820.A.10	SIMAT3820 Introd	https://e.shel.a	0			TRUE		0				- 1	0
22	630 1	Academic Year 2018-2019	174 1	Department of Philosophy	76993 1	PH356.B.205	7 PHISSE Philoso	https://www.hel.a	- 1		2019-06-14 16:2	TRUE	4	5	0.7223255032	0.506546875	0.8849484057	-	0
23	618_1	Academic Year 2017-2018	186_1	Department of Materials Science and Engl	69064_1	MATS64571.0	1 MATS64571 His	https:///e.shel.a	13		2019-06-14 18:0	TRUE		0				-	0
34	426 1	Academic Year 2011-2012			6798 1	CN350 A.11	CIV350 Geoted	https://weshel.o	84		2019-06-15 02:4	TRUE	66	7	0.3014614728	0.2092016673	- 1	51	1
25	630 1	Academic Year 2018-2019	276 1	Sheffield University Management School	74173 1	MGT6163.A.15	MGTE163 Lead	chtps://vie.shel.o	27		2019-06-14 17:0	TRUE	33	31	0.796601858	0.6012682321	0.9919354839	14	4
	671.1	Academic Year 2020-2021	184 1	General engineering course in IPE	90853 1	GEE31002.A.2	2 GEE31002 Rea	chtps://e.shel.a	0		2020-06-03 21:5	TRUE		1	1		1	-	0
27	605 1	Academic Year 2016-2017			58115 1	MGT6137.A.17	ID MGT6137 Lead	https://www.hel.a	0	2019-08-27	2019-06-14 20:0	TRUE		0				-	0
28	-		40.1	Sandbox Courses	101821 1	SANDBOX.CN	6 Schart Tel's San	https://vie.shef.a	0		2022-02-24 13:5	TRUE	235	61	0.9058452209	0.8851579118	0.9845248227	20	0
29	605 1	Academic Year 2016-2017			58282 1	TRP653.A 168	4-TRP653 Comm	https://e.shel.o	0		2019-06-14 19:5	TRUE		1	1		1	-	0
30	344 1	Academic Year 2013-2014			28588 1	APS211.B.126	11APS211 Insects	https://eishel.o	0	2019-08-27		TRUE		0				-	0
	618 1	Academic Year 2017-2018	268_1	School of Education	57864 1	EDUT227.17		https://e.shel.o			2019-06-14 18:2	TRUE	3	5	0.5876784506	0.5585947628	0.6211286632	-	1
32					1346 1	sandox203	Sandox Course	https://vie.shel.s	2		2019-06-15 03:0	TRUE		5	1		- 1	-	0
12	521 1	Academic Year 2015-2016			45544 1		5 SNM134 User e				2019-06-14 22:1	TRUE	26	5	0.7251968868	0.672348642	- 1		3
	637 1	Academic Year 2019-2020	296 1	School of East Asian Studies	81813 1		6/ EAS172 Korean				2020-06-02 15:0	TRUE	91	13	0.5871320497	0.5268287161	0.9807692308		2
	344 1	Academic Year 2013-2014			30090 1		20 MLT10781 Italia				2019-06-15 01:0	TRUE		0				-	0
	618 1	Academic Year 2017-2018	137 1	Department of Mechanical Engineering	69134 1		9 MEC319 Senso				2020-02-14 07:4	TRUE	2	0	0.25	0.25			0
	426 1	Academic Year 2011-2012		.,	9218 1		MGT8906 Proje		5		2019-06-15 02:3	TRUE		0				-	0
	73.1	Academic Year 2012-2013			18515 1		3 MATES 12 Engir				2019-06-15 01:5	TRUE	2	2	0.527375	0.06475	- 1		2













# **Ally Data Portal: Institution Overview**

Term name

Academic Year 2021-2022

Department name -

AMRC Training Centre

Careers Service

Corporate Information and Computing Services

Department of Automatic Control and Systems Engineering

Department of Chemical and Biological Engineering

Department of Automatic Control and Systems Engineering; MATLA...

Department of Animal and Plant Sciences

Department for Lifelong Learning

Department of Biomedical Science

Department of Archaeology

Department of Chemistry

2.	Academic Programmes and Student Engagement	Academic Year 2021-2022	1	95.68%	75.39%
3.	Academic Unit of Medical Education	Academic Year 2021-2022	37	91.15%	46.11%
4.	Advanced Manufacturing Research Centre	Academic Year 2021-2022	47	75.17%	42.99%
5.	Advanced Manufacturing Research Centre; Numbas Pilot	Academic Year 2021-2022	2	55.17%	36.89%
6.	Aerospace course under IPE	Academic Year 2021-2022	29	77.17%	28.78%
7.	Arts and Humanities IPO	Academic Year 2021-2022	12	92.53%	34.09%
8.	Bioengineering, course in IPE	Academic Year 2021-2022	24	92.39%	45.95%

Number of courses

1

6

53

99

63

59

1

82

87

87

Ally Overall Score Ally Average File Sco...

35.31%

74.55%

32.89%

43.6%

48.46%

39.4%

32.88%

27.24%

47.91%

29.38%

42.49%

61.72%

85.43%

85.1% 91.8%

79 96%

77.12%

62.64%

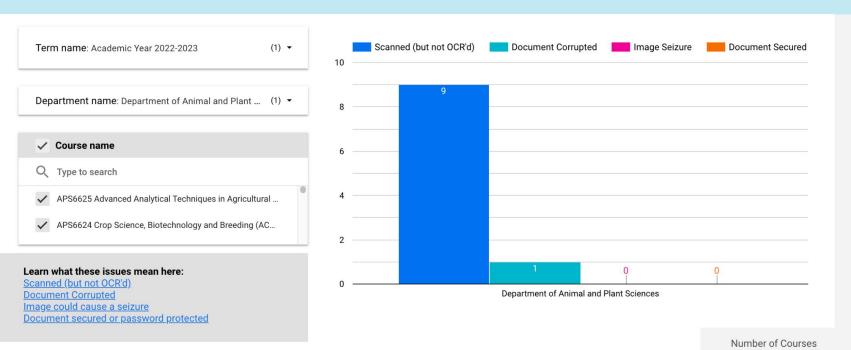
48.05%

77.21%

56.63%

83.95%

# **Ally Data Portal: Severe Issues**



Links to courses with these issues can be found in the table below. Hover over the chart, click the three ellipses and choose Export > Google Sheet to save this data to a Google Sheet.

						=	≐ - :
	Course name	Open Ally Report	Course url	Scanned (not OC	Corrupte	Image	Password
1.	APS332 Issues in Environmental Scienc	https://prod-eu-central-1.ally.ac/ir/clients/169/c	https://vle.shef.ac.uk/webap	0	0	0	0
2.	APS609 Research Project (SPRING 2022	https://prod-eu-central-1.ally.ac/ir/clients/169/c	https://vle.shef.ac.uk/webap	0	0	0	0

67

## **Building a visualisation in Looker Studio**



## **Core Essentials: Digital Education**

The minimum digital education experience that students should expect across all programmes.

sites.google.com/sheffield.ac.uk/digitaleducation-core

Accessibility	
Staff recognise the importance of creating accessible content including the legal obligations	'All staff'
Staff have the skills to create accessible content	'All staff'
Digital content is made available to students accessible using the principles in the VLE checklist?	'Most modules'

## Next steps based on feedback from pilot users

- Speed up loading time extracted data source
- More regular updates to the underlying data
- Revisit delegated access to the native Ally reports within Learn via the institutional hierarchy