

UCEM: Using Learning Analytics to Enhance the Student Experience

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#### **University College of Estate Management (UCEM)**

- Core Purpose: To be the leading provider of supported online education for the Built Environment.
- Programme Offer: Level 3 apprenticeships up to Level 7 MSc and MBA.
- **Student Population:** ~4,000 students from approximately 100 countries, average age 32.
- Student Community: All online students.
- VLE: Implemented Moodle in February 2009.
- Module Blueprint: All modules adopt an agreed model that is applied consistently across all programmes.
- No Student Left Behind: Institution wide initiative focused on student retention and completion.



#### The Use of Learning Analytics at UCEM: Our Journey

- Learning Analytics implemented in September 2016.
- Supported Blackboard using historical VLE activity logs and student grade data to develop statistical model.
- Worked with Blackboard to ensure the data supports UCEM's tuition model and aids appropriate intervention.
- Using the data at an institutional level to inform decision-making.
- We are still at the early stages of our journey.



## **Learning Analytics Dashboard**



Risk Status



Activity



Gradebook



Discussions

4 of 32 \(\psi\)

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Students at **Risk** yesterday. Average of the week before was 5 of 32.



**Logged in** students in the last 7 days.

Week before was 5 of 32.

48.9% >

Average course grade yesterday.

Average of the week before was 48.9%.

0 ->

Posts in the last 7 days. Week before was 0.



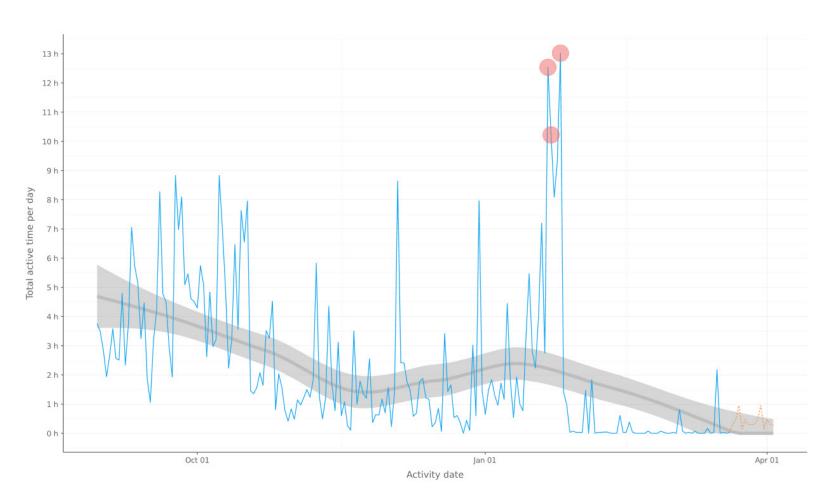
Recommended Actions

Date of report: Tuesday, 21 March

You have 4 recommended actions

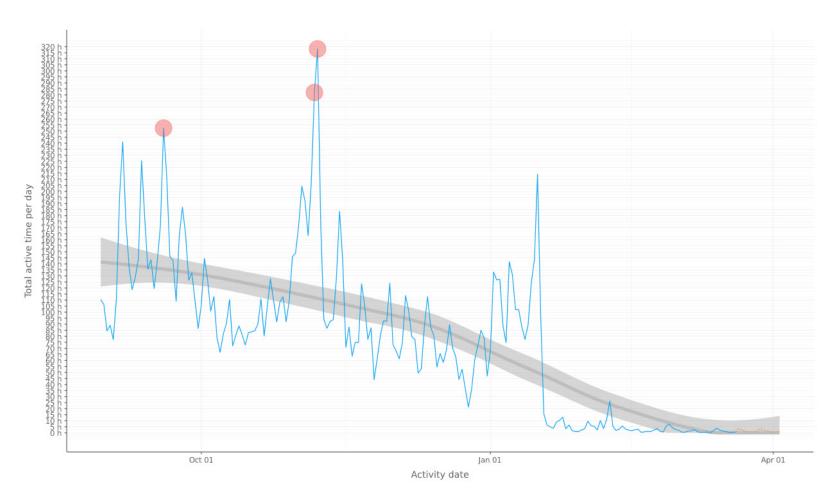


## **Activity – Course Activity by Date**





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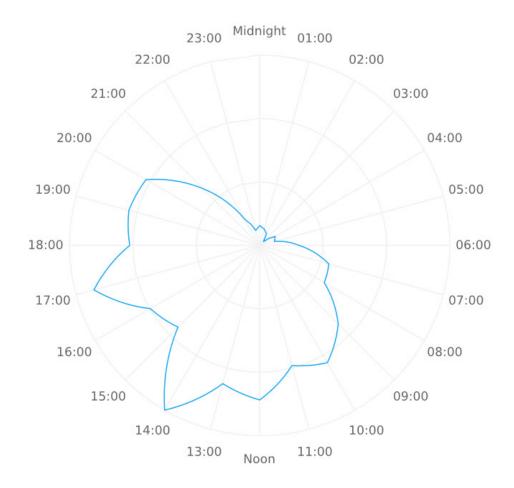


## **Activity Metrics**

Logged in during previous week	Last Activity <sup>♦</sup>	Total Discussion <b>∳</b> Posts	Time spent in course (HH:MM)	Visit regularity <b>∳</b> (daily)
No	Tue 22 Aug	4	9:25	3.35
No	Tue 25 Jul	0	13:58	2.55
Yes	Wed 30 Aug	1	21:05	2.99
No	Sat 05 Aug	0	11:05	4.10
No	Mon 19 Jun	0	6:43	3.24
No	Wed 26 Jul	0	5:17	2.11
No	Fri 30 Jun	0	1:09	0.57
No	Wed 26 Jul	2	18:32	4.52
No	Wed 26 Jul	2	37:50	6.89
No	Wed 26 Jul	0	7:51	1.39
·	·	All	1	<i>F</i>
P	revious 1	2 3 4	5	8 Next



## **Activity by Time of Day**



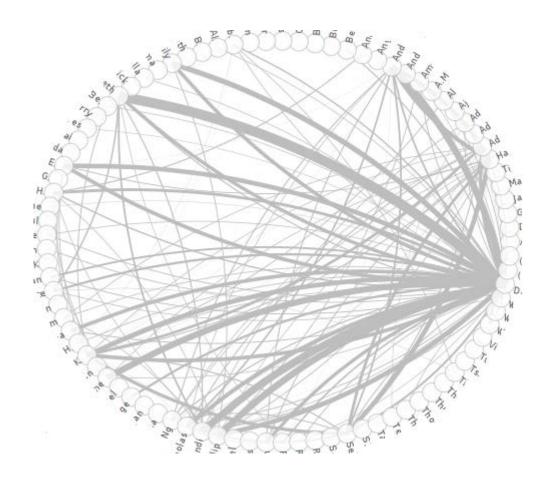


## **Discussions – Participation Metrics**

Total discussion <b>♦</b> posts	Posts last <b>\$</b> week	Average original contribution (%)	Average critical thought (%)	Regularity of original \$ contribution	Regulari of critica thought
22	0	100	27.5	9.28	0.04
38	0	67.4	92.5	6.03	0.09
25	0	42.9	49.8	4.44	0.06
17	0	42.6	36.8	4.10	0.05
18	0	36.2	49.1	2.63	0.06
31	0	30.6	70.9	2.60	0.09
9	0	18.3	14	1.98	0.03
15	0	16.3	22.7	1.41	0.03
8	0	15.1	13.3	1.40	0.02
7	0	14.7	15.2	1.12	0.02
All		All		All	А
Р	revious 1	2 3 4	5	8 Next	



## **Discussions – Interaction Analysis with Critical Thought**





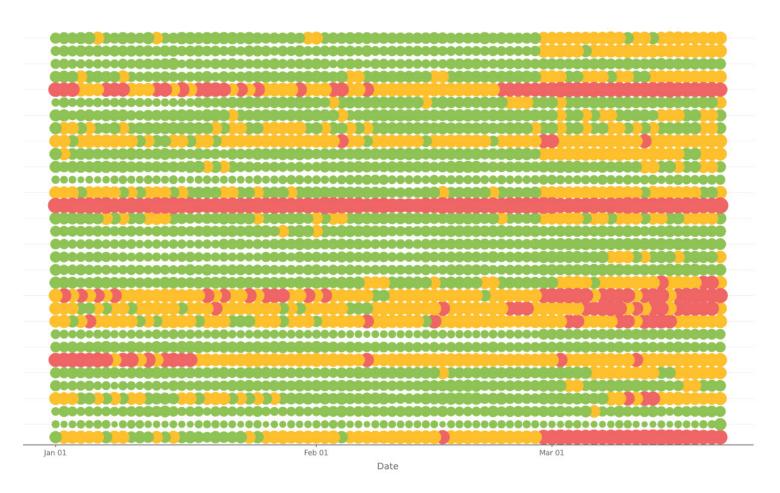
#### **Risk Status - Risk Metrics**

Surname 🛊	Given Name	<b>\$</b>	Course grade (%)	<b>‡</b>	Last login <sup>‡</sup>	Last gradable activity submitted	Time spent in course (HH:MM)	Number of posts	Total risk ▼
			-		Mon 22 May	-	1:42	-	High
			-		Wed 19 Jul	-	6:17	1	High
			-		Wed 08 Mar	-	2:08	-	High
			-		Tue 09 May	-	1:18	-	High
			-		Sun 30 Jul	-	21:06	11	Medium
			-		Mon 24 Jul	-	6:07	-	Medium
			-		Thu 27 Jul	-	12:43	2	Medium
			-		Tue 01 Aug	-	19:54	-	Medium
			-		Thu 27 Jul	-	8:06	-	Medium
			-		Sun 06 Aug	Sat 05 Aug	22:19	10	Medium
						А	/		
Showing 11 to 20 of 34 entries						Previous	1 2	3 4 No	ext

Realising your potential in the Built Environment



## Risk Status – Risk History





#### **Enhancing the Student Experience – Impact and Benefits to Date**

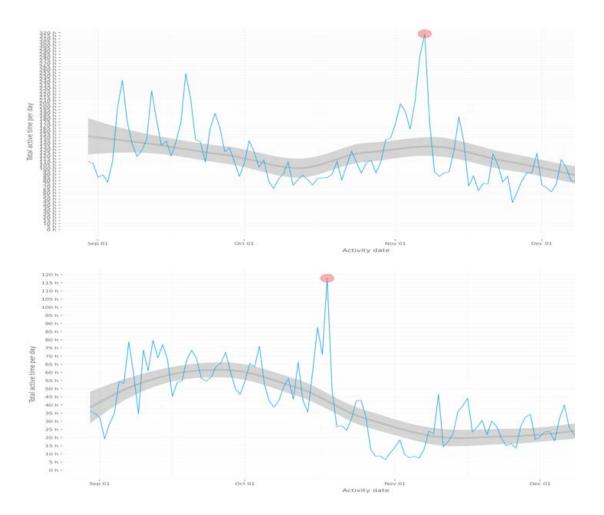
- Informing strategic direction with learning and teaching
- Identifying the extent to which assessment drives student activity, and using this to inform module development and our assessment strategy
- Supporting 'No Student Left Behind' to drive student retention and success
- Highlighting the success of our tuition model



# Impact and Benefits to Date – Informing Strategic Direction with Learning and Teaching

Module 1

Module 2



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#### **Enhancing the Student Experience – Impact and Benefits to Date**

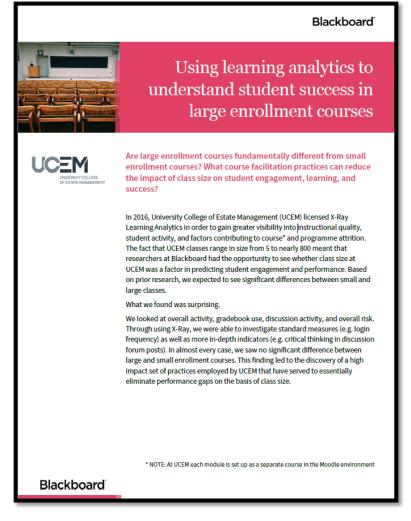
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### Working with Blackboard

- Early adoption of the product has been very beneficial
- Blackboard Case Study

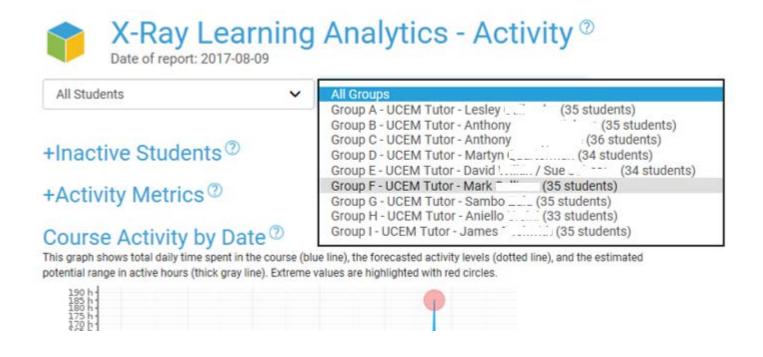
Google search: 'Learning analytics UCEM'



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#### **Access to the Reports by Module Tutor Group**





### **Concluding Thoughts**

- We are at the beginning of our journey, but are already seeing the benefits
- Learning analytics is supporting UCEM's No Student Left Behind strategy



#### **Contact details**

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