

# Digital tools for research

Tim O'Riordan

Web and Internet Science (WAIS)

[www.ecs.soton.ac.uk/people/tor1w07](http://www.ecs.soton.ac.uk/people/tor1w07)

@studywbv

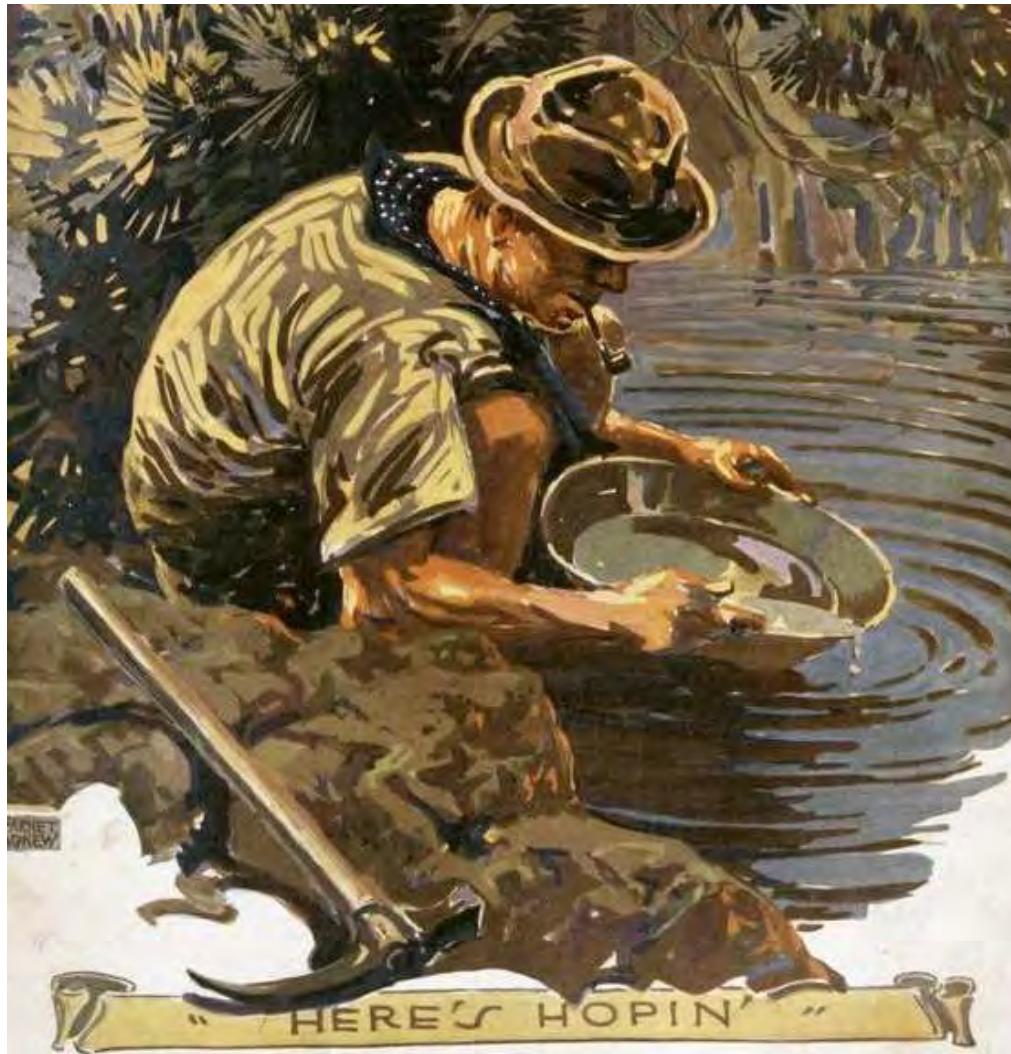


Image: Illustration from the front cover of The Queenslander 16/08/1934.  
State Library of Queensland, NKCR

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## Engagement (how much time visitors spend using Blackboard)

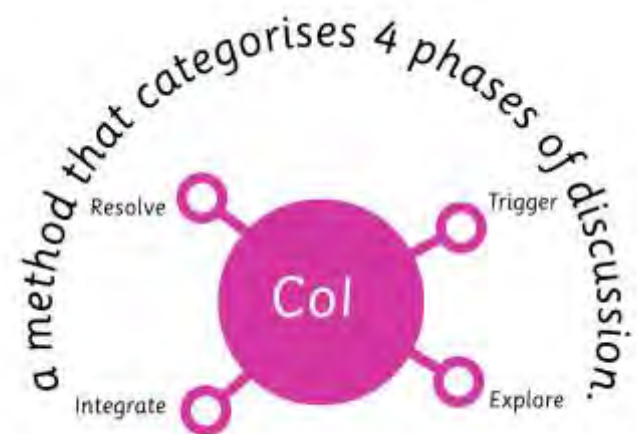
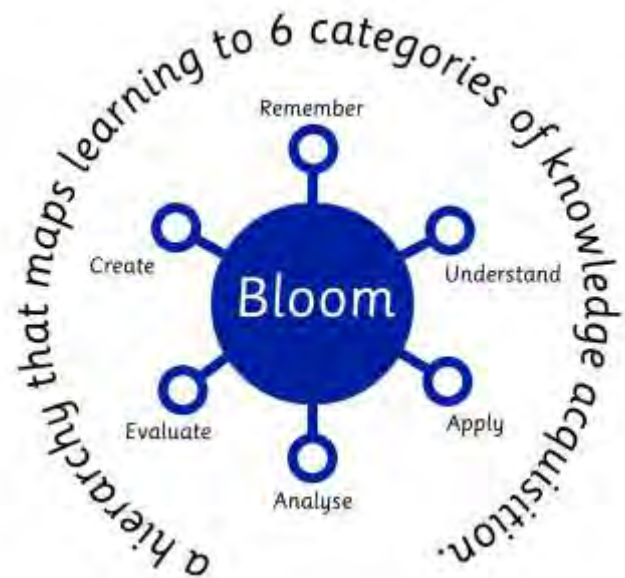
Session Duration	Sessions	Page Views
0-10 seconds	84,826	137,541
11-30 seconds	57,440	254,453
31-60 seconds	41,462	241,867
61-180 seconds	53,531	414,658
181-600 seconds	49,001	520,557
601-1800 seconds	46,569	608,853
1801+ seconds	16,619	425,708





Image: Student scientists learn the engineering design process, U.S. Army RDECOM ©2015, CC BY 2.0

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## Archaeology of Portus: exploring the lost harbour of ancient Rome

**Learn how ancient artefacts, written evidence, excavation and digital technologies are transforming understanding of this harbour.**

**Go to course - started 19  
May**

UNIVERSITY OF  
**Southampton**

**FREE online course**

**Duration: 6 weeks**

**2 hours pw**

Image: University of Southampton, Archaeology of Portus MOOC.  
FutureLearn Ltd 2014. [www.futurelearn.com/courses/portus/details](http://www.futurelearn.com/courses/portus/details)

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FREE ONLINE COURSE

## Understanding Language: Learning and Teaching

An introduction to some key concepts in the effective teaching and learning of languages.

Go to course – started 19 Oct



Download video: standard or HD

ABOUT THE COURSE

UNIVERSITY OF  
Southampton

BRITISH  
COUNCIL

FREE online course  
Duration: 4 weeks  
3 hours per  
Certificate available

FREE ONLINE COURSE

## Exploring Our Oceans

Explore the half of our world covered by deep ocean, and how our lives affect the hidden face of our planet.

Go to course – started 31 Aug



View introduction

Download video: standard or HD

FREE online course  
Duration: 8 weeks  
3 hours per  
Certificate available

SHARE

FREE ONLINE COURSE

## Contract Management: Building Relationships in Business

Learn to build relationships and manage contracts successfully with this free online course backed by UK government and IACCM.



Download video: standard or HD

UNIVERSITY OF  
Southampton

FREE online course  
Duration: 8 weeks  
3 hours per  
Certificate available

SHARE

Images: University of Southampton, FutureLearn Ltd 2015.  
www.futurelearn.com/partners/university-of-southampton

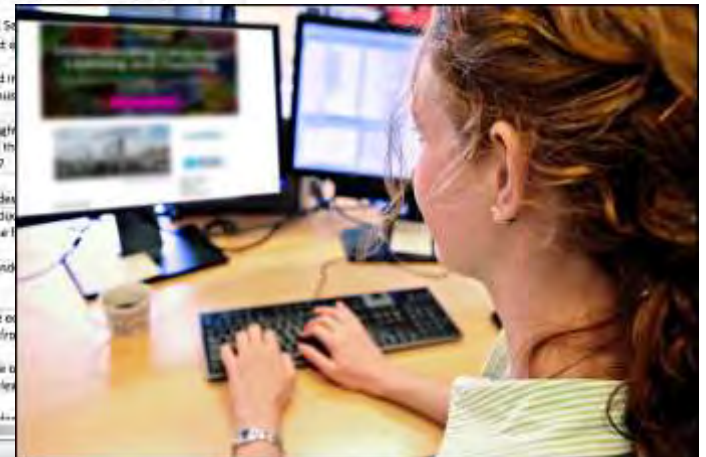
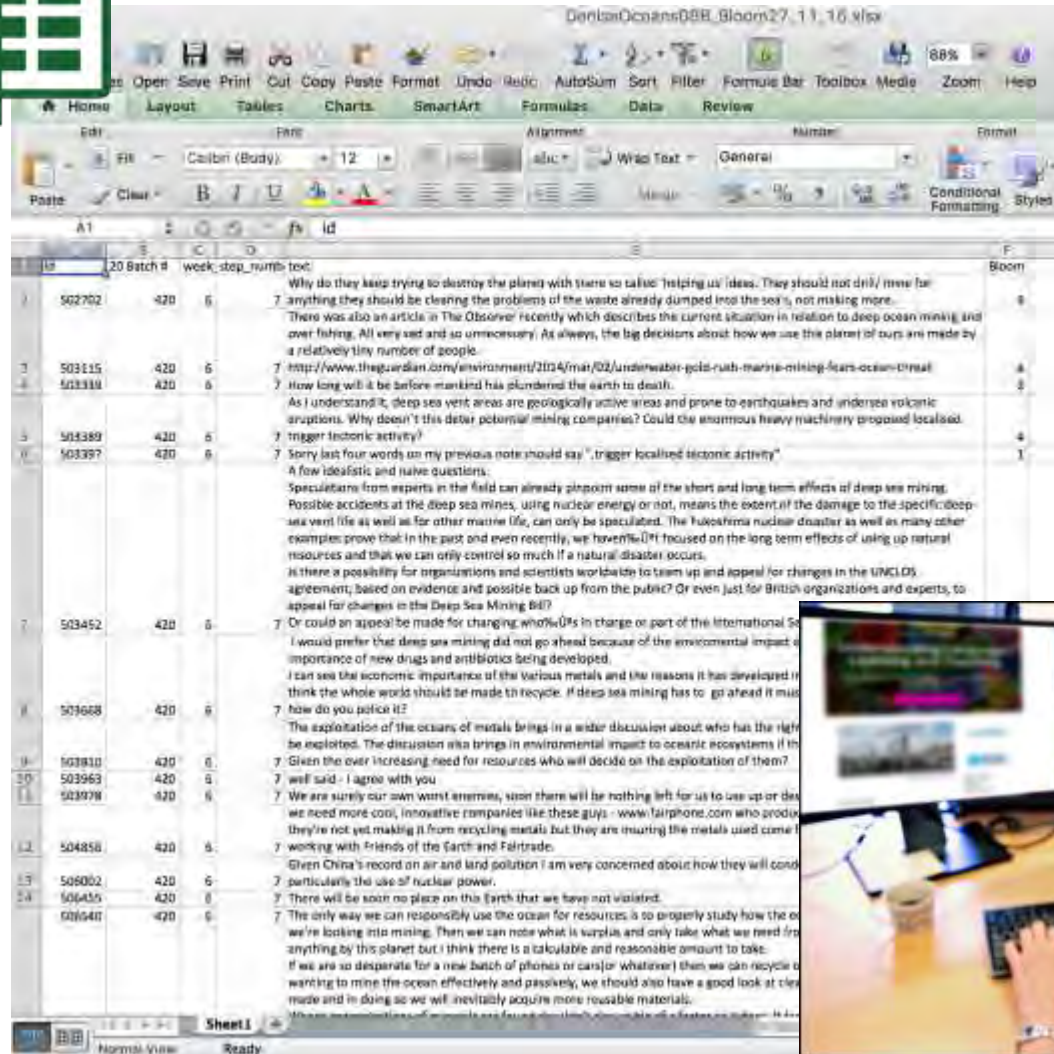
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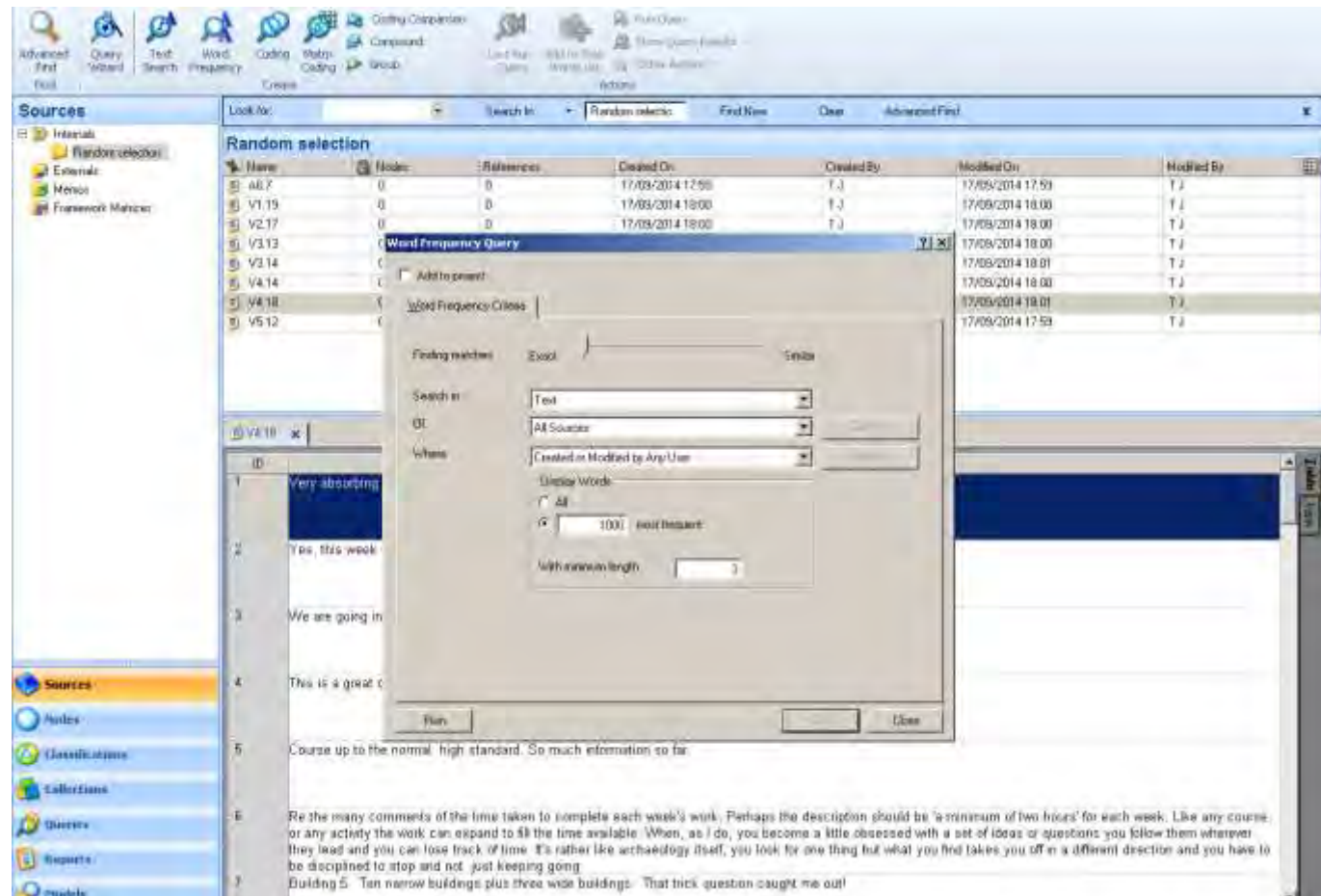






The screenshot shows the Microsoft Excel VBA editor interface. The background is a spreadsheet with columns A through I and rows 44 through 60. The active cell is A62. The VBA editor window is open, showing the 'ThisWorkbook' object. The macro 'CreateFile' is selected, and its code is displayed in the right-hand pane. The code is as follows:

```
Sub CreateFile()
Do While Not IsEmpty(ActiveCell.Offset(0, 1))
  MyFile = ActiveCell.Value & "_C48.txt"
  'set and open file for output
  fnum = FreeFile()
  Open MyFile For Output As fnum
  'use Print when you want the string without quotation marks
  Print #fnum, ActiveCell.Offset(0, 5)
  Close #fnum
  ActiveCell.Offset(1, 0).Select
Loop
End Sub
```





## Welcome to LIWC

 **Analyze Text**  
See how text measures up along LIWC's dimensions.

 **Categorize Words**  
Break down each word and find the categories it applies to.

 **Color-Code Text**  
Highlight words found in LIWC's dictionary.

 **Category Options**  
Choose which dimensions to use during analysis.

 **Help**  
Learn more about what LIWC does and how to use it.

**YOUR SETTINGS**

<i>Dictionary</i>	<i>Segmentation</i>	<i>All categories on</i>
Internal Dictionary 2015	No segmentation	YES

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Filename	Seg	WC	WPS	Sixltr	Dic	funct	pronoun	ppron	i	we	you	she	they	ipron	article	verb	auxver
2	LIWC60Test_001.txt	1	19	19	21.05	94.74	68.4	10.53	0	0	0	0	0	0	10.53	10.53	15.79	10.53
3	LIWC60Test_002.txt	1	36	36	30.56	97.22	63.9	5.56	2.78	0	0	0	2.78	0	2.78	2.78	13.89	13.89
4	LIWC60Test_003.txt	1	34	34	23.53	88.24	61.8	5.88	2.94	0	0	0	0	2.94	2.94	5.88	11.76	8.82
5	LIWC60Test_004.txt	1	91	11.38	23.08	81.32	63.7	13.19	8.79	1.1	0	7.69	0	0	4.4	6.59	10.99	8.79
6	LIWC60Test_005.txt	1	118	14.75	11.02	87.29	65.3	22.03	8.47	2.54	4.24	0.85	0	0.85	13.56	5.93	16.95	16.1
7	LIWC60Test_006.txt	1	21	21	28.57	90.48	52.4	9.52	9.52	9.52	0	0	0	0	0	0	23.81	19.05
8	LIWC60Test_007.txt	1	53	26.5	26.42	90.57	41.5	7.55	3.77	1.89	0	1.89	0	0	3.77	5.66	18.87	5.66
9	LIWC60Test_008.txt	1	100	16.67	26	81	45	20	12	2	9	0	0	1	8	2	9	3
10	LIWC60Test_009.txt	1	8	8	12.5	75	37.5	25	25	12.5	0	12.5	0	0	0	0	12.5	0
11	LIWC60Test_010.txt	1	59	29.5	18.64	79.66	55.9	6.78	3.39	0	1.69	0	0	1.69	3.39	16.95	10.17	6.78
12	LIWC60Test_011.txt	1	121	30.25	21.49	90.91	51.2	4.96	1.65	0	0	1.65	0	0	3.31	9.09	13.22	8.26
13	LIWC60Test_012.txt	1	46	15.33	30.43	76.09	45.7	13.04	0	0	0	0	0	0	13.04	2.17	10.87	6.52
14	LIWC60Test_013.txt	1	166	13.83	25.9	74.1	47	11.45	7.83	4.82	1.2	0	1.2	0.6	3.61	4.82	10.24	6.02
15	LIWC60Test_014.txt	1	79	26.33	37.97	82.28	45.6	5.06	3.8	2.53	0	1.27	0	0	1.27	6.33	5.06	5.06
16	LIWC60Test_015.txt	1	35	17.5	20	91.43	48.6	14.29	11.43	5.71	2.86	2.86	0	0	2.86	2.86	14.29	2.86
17	LIWC60Test_016.txt	1	78	19.5	30.77	83.33	46.2	5.13	3.85	2.56	1.28	0	0	0	1.28	7.69	7.69	6.41
18	LIWC60Test_017.txt	1	40	20	37.5	82.5	45	5	0	0	0	0	0	0	5	10	7.5	7.5
19	LIWC60Test_018.txt	1	64	21.33	20.31	87.5	54.7	9.38	4.69	1.56	1.56	0	0	1.56	4.69	7.81	14.06	9.38
20	LIWC60Test_019.txt	1	22	11	27.27	86.36	59.1	9.09	0	0	0	0	0	0	9.09	9.09	18.18	18.18
21	LIWC60Test_020.txt	1	52	17.33	15.38	94.23	69.2	15.38	7.69	0	5.77	1.92	0	0	7.69	3.85	23.08	17.31
22	LIWC60Test_021.txt	1	76	12.67	26.32	89.47	60.5	14.47	9.21	1.32	7.89	0	0	0	5.26	3.95	17.11	13.16
23	LIWC60Test_022.txt	1	142	20.29	23.94	85.92	57.8	14.08	7.75	1.41	5.63	0.7	0	0	6.34	4.93	15.49	11.97
24	LIWC60Test_023.txt	1	82	27.33	15.85	82.93	61	10.98	7.32	0	7.32	0	0	0	3.66	12.2	7.32	7.32
25	LIWC60Test_024.txt	1	48	16	14.58	95.83	50	12.5	4.17	2.08	0	2.08	0	0	8.33	10.42	10.42	6.25
26	LIWC60Test_025.txt	1	117	23.4	18.8	78.63	51.3	9.4	3.42	0.85	0.85	0	1.71	0	5.98	11.11	4.27	2.56
27	LIWC60Test_026.txt	1	7	7	28.57	71.43	57.1	14.29	14.29	0	14.29	0	0	0	0	14.29	28.57	14.29
28	LIWC60Test_027.txt	1	32	16	25	71.88	43.8	12.5	6.25	3.12	3.12	0	0	0	6.25	3.12	15.62	15.62

Room: **IVGEL7YU** JOIN

Dashboard | Message Guides | Live Results Refresh

### Practice rating comments

PREVIOUS NEXT

#5 Please evaluate the following comment using Bloom's Taxonomy:  
**"Our modern view of globalisation we may see as different, but essentially it is what the Romans did....they travelled from one country to another, taking and infiltrating their cultural practices wherever they went, hence radiating throughout the world at the time."**

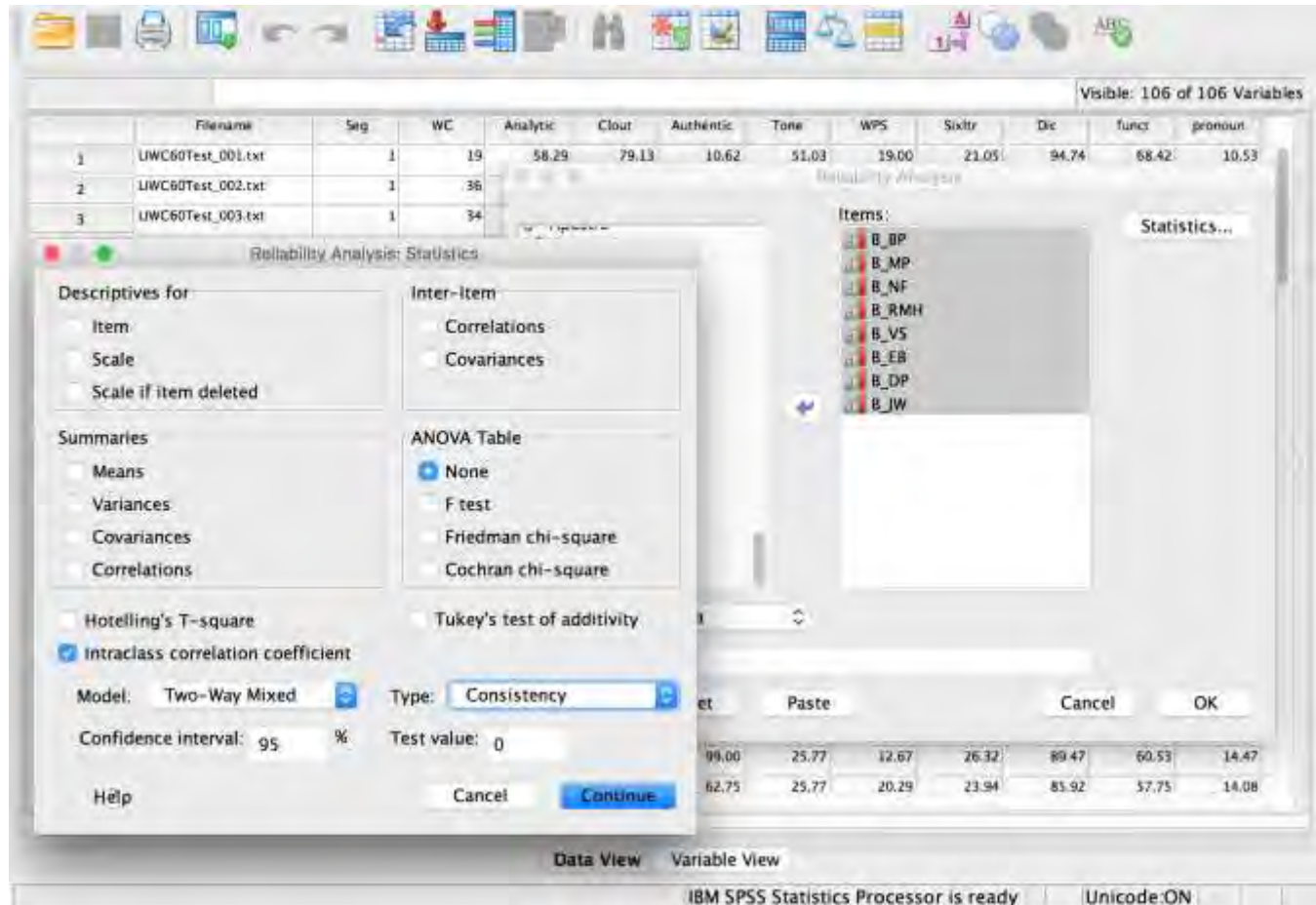
**HOW'D WE DO?** 0/0 students answered

A	0 - Off-topic. There is written content, but not relevant to the subject under discussion.
B	1 - Remember Recall of specific learned content, including facts, methods, and theories.
C	2 - Understand Perception of meaning and being able to make use of knowledge, without understanding full implications.
D	3 - Apply Tangible application of learned material in new settings.
E	4 - Analyse Deconstruct learned content into its constituent elements in order to clarify concepts and relationships between ideas.
F	5 - Evaluate Assess the significance of material and value in specific settings.
G	6 - Create Judge the usefulness of different parts of content, and producing a new arrangement.

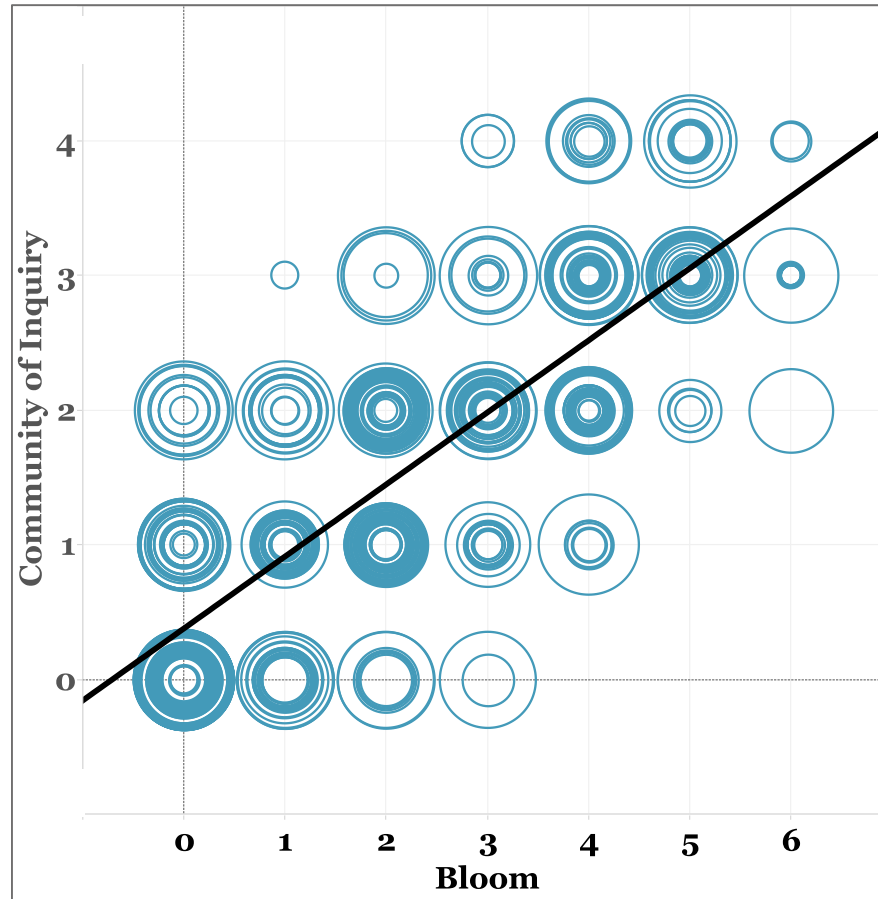
▼ show explanation







$r^2 = 0.688$   
 $p = <0.001$



Correlation between Bloom and Community of Inquiry

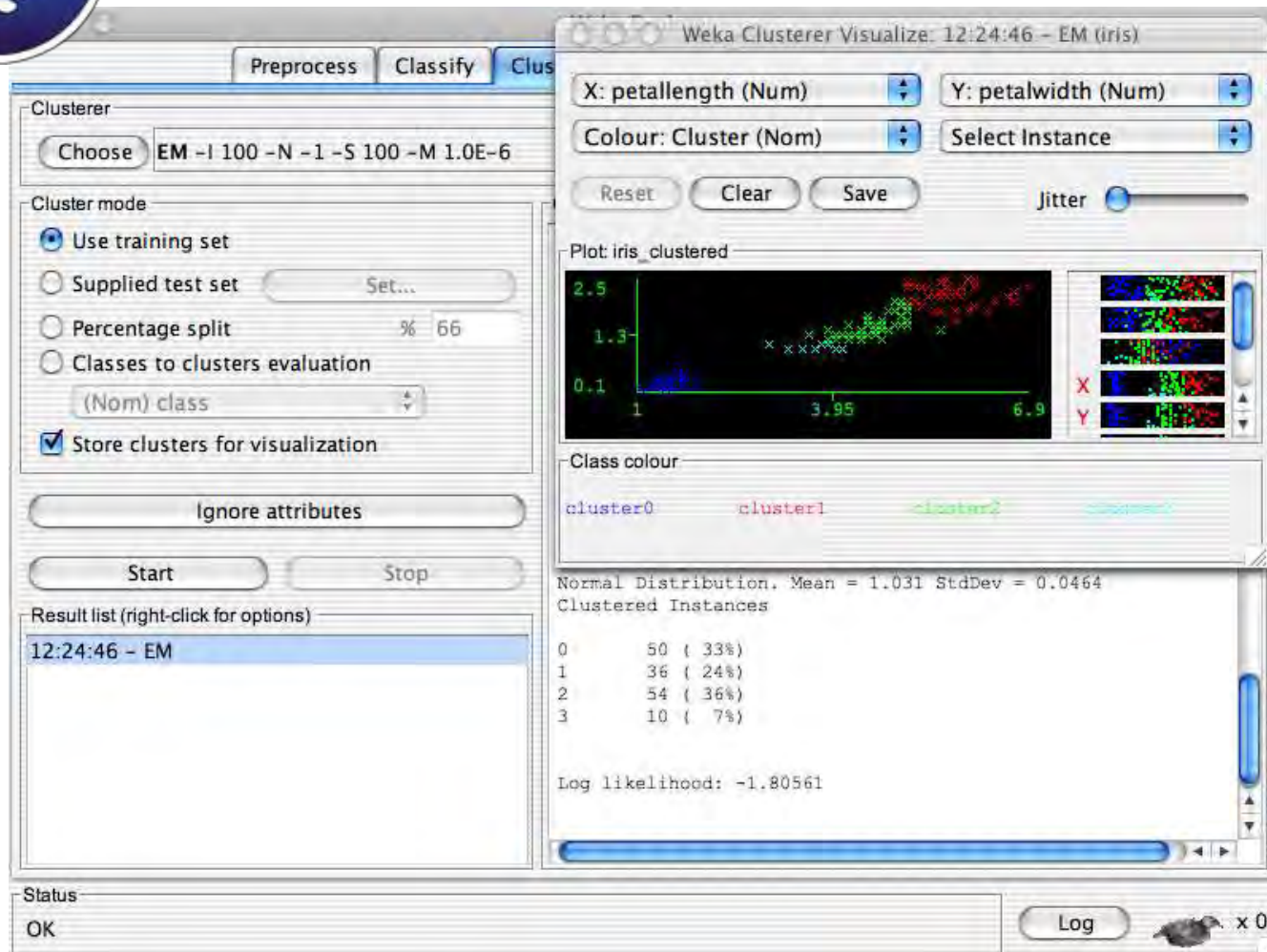






Image: Web Science CDT gathering, University of Southampton ©2013.

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Image: Pulp Fiction, USA, Miramax ©1994

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# Thank you...



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