



THE UNIVERSITY OF
MELBOURNE

Massive Open Online Courses MOOCs

The University of Melbourne

Data Snapshots 2013 - 2014



Foreword

The University of Melbourne entered into an agreement with Coursera in September 2012 to offer massive open online courses, or MOOCs, through Coursera's platform. The University saw MOOCs as an excellent opportunity to participate in what was then an emerging, global, educational movement. It was an opportunity to engage with students the University might otherwise not have engaged with; it was a way for the University community to learn more about teaching and learning online, at scale; and it represented a unique mechanism for the University to pursue its research strengths in educational technology, particularly through the use of learning analytics.

The University released its first MOOC – Principles of Macroeconomics – in early 2013 and since this time it has designed, developed and delivered a further ten MOOCs. Seven more MOOCs are destined for release in late 2014 and early 2015. The MOOCs produced by the University of Melbourne showcase its broad research and teaching expertise. Our MOOCs represent diverse discipline areas such as philosophy, genetics, computer science, education, physiology, history and economics. In total, our MOOC courses have attracted over 640,000 expressions of interest from learners worldwide, with approximately half of these starting one of our courses.

These MOOCs have been developed through strong collaboration between Faculty members in the University's academic departments, staff in the Learning Environments department, and the University Library. Collectively we have learnt a great deal from our experiences. We have developed a stronger understanding of online pedagogy, designing open curricula, and constructing assessment tasks at scale. We have refined and improved areas of online learning production, particularly in the area of video production. We have learnt a great deal about copyright. And we have a dedicated research group that is undertaking leading-edge research in the area of learning analytics using data generated from our MOOCs.

This report draws upon some of these data. The report presents simple "data snapshots" of each of the University of Melbourne's MOOCs that have been delivered up to June 2014. The figures presented in this report are predominantly based on data drawn from the databases provided by Coursera. These raw data were then manipulated – aggregated and analysed – to form standardised data snapshots for each MOOC. A glossary of the terms used in this report is provided at the end to assist with interpretation.

Our MOOC experience has been incredibly rewarding and we look forward to providing further updates on the University of Melbourne's experiences.

Professor Margaret Sheil
Provost
The University of Melbourne

Professor Gregor Kennedy
Pro Vice-Chancellor (Educational Innovation)
The University of Melbourne

October, 2014

EXERCISE PHYSIOLOGY 2013

General Statistics

Course duration:	6 weeks
Total learners who enrolled:	53,715
Total signature-track enrolments:	N/A*
Learners who started the course:	30,671 (57 % of those who enrolled)
Learners who completed the course:	1,608 (5.24 % of those who started)

Videos*

Total videos:	19
Total video duration:	04:26:46
Minimum video duration:	00:03:33
Maximum video duration:	00:21:18
Average video duration:	00:14:02

Total videos streamed:	159,869
Video streams per lecture:	8,414
Video streams per person:	8.2
Total videos downloaded:	132,713
Downloads per video:	6,985
Downloads per person:	16.7
Unique videos watched:	168,064
Unique videos watched per person:	7.36

Demographic Information

Learners enrolled from:	190 countries
Gender ratio (F:M):	42:58

Table 1: Geographical distribution (top ten countries of enrolled learners)

Country	Percent of students
United States	36 %
India	6 %
United Kingdom	5 %
Canada	5 %
Australia	4 %
Brazil	3 %
Spain	3 %
Russian Federation	2 %
Germany	2 %
Mexico	2 %

Table 2: Geographical distribution of learners (per continent)

Continent	Percent of students
North America	43 %
Europe	29 %
Asia	16 %
South America	6 %
Oceania	4 %
Africa	2 %

*See Glossary of Terms for more information

Discussion Forums

Total posts:	3,327
Posts per person:	2.94
Total comments:	1,723
Comments per person:	3.38
Total discussion postings:	5,050 (posts + comments)
Discussion postings per person:	3.89
Percentage participation in forums: (of those who posted)	4.24 %

Assessment Tools

Quiz

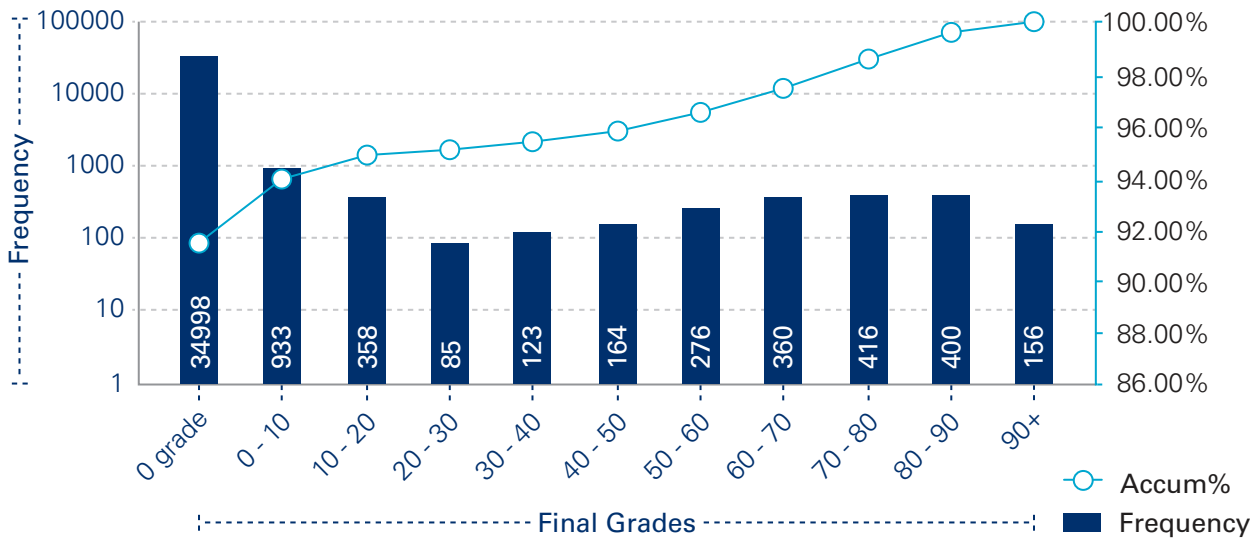
Total quiz submissions:	47,036
Quiz submissions per person:	7.11
Percent quiz participation: (of those who started)	21.57 %
Unique quiz submissions:	25,951
Unique quiz submissions per person:	3.92

Peer Assessment (PA)

Total PA submissions:	1,425
PA submissions per person:	1.07
Percent PA submissions: (of learners who started)	4.33 %

Grade Distribution

Figure 1: Grade distribution for Exercise Physiology (normal + distinction grade)



GENERATING THE WEALTH OF NATIONS 2013

General Statistics

Course duration:	10 weeks
Total learners who enrolled:	29,309
Total signature-track enrolments:	N/A*
Learners who started the course:	12,756 (43.52 % of those who enrolled)
Learners who completed the course:	348 (2.73 % of those who started)

Videos*

Total videos:	74
Total video duration:	26:51:47
Minimum video duration:	00:02:37
Maximum video duration:	00:37:19
Average video duration:	00:21:47

Total videos streamed:	131,435
Video streams per lecture:	1,776
Video streams per person:	14.4
Total videos downloaded:	338,014
Downloads per video:	4,568
Downloads per person:	71.8
Unique videos watched:	249,789
Unique videos watched per person:	22.07

Demographic Information

Learners enrolled from:	184 countries
Gender ratio (F:M):	31:69

Table 3: Geographical distribution (top ten countries of enrolled learners)

Country	Percent of students
United States	27 %
India	10 %
United Kingdom	5 %
Australia	5 %
Canada	4 %
Brazil	3 %
Germany	3 %
China	2 %
Spain	2 %
Russian Federation	2 %
Singapore	2 %

Table 4: Geographical distribution of learners (per continent)

Continent	Percent of students
North America	33 %
Europe	28 %
Asia	25 %
South America	6 %
Oceania	5 %
Africa	4 %

*See Glossary of Terms for more information

Discussion Forums

Total posts:	2,672
Posts per person:	4.27
Total comments:	1,629
Comments per person:	5.31
Total discussion postings:	4,301 (posts + comments)
Discussion postings per person:	6.24
Percentage participation in forums: (of those who started)	5.4 %

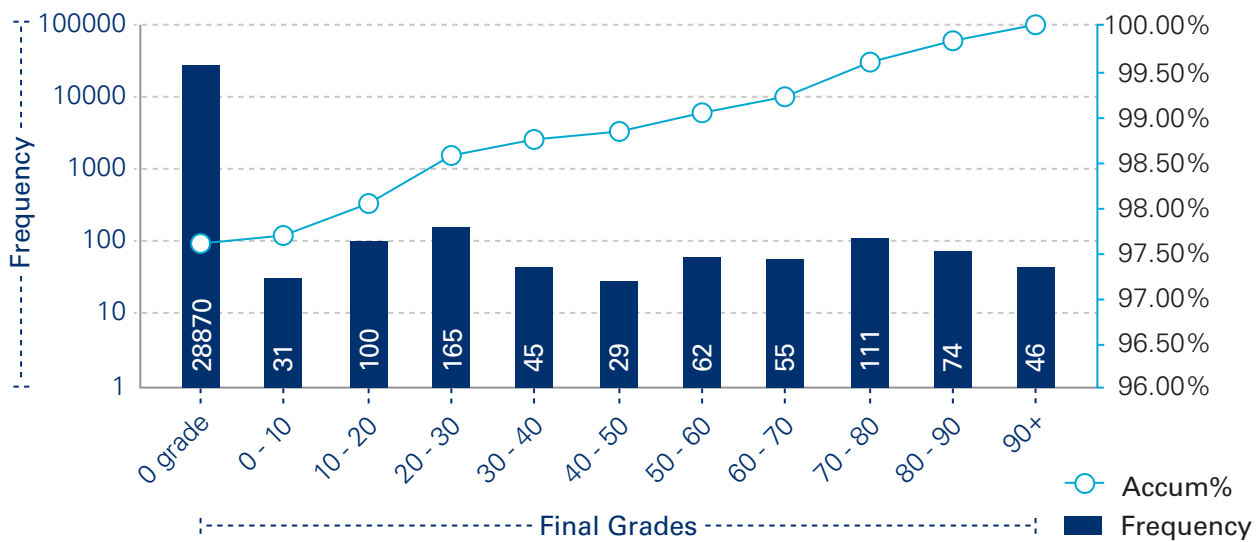
Assessment Tools

Peer Assessment (PA)

Total PA submissions:	1,422
PA submissions per person:	2.14
Percent PA submissions: (of learners who started)	5.22 %

Grade Distribution

Figure 2: Grade distribution for Generating the Wealth of Nations (normal grade, no distinction awarded)



General Statistics

Course duration:	8 weeks
Total learners who enrolled:	66,286
Total signature-track enrolments:	N/A*
Learners who started the course:	29,939 (45.17 % of those who enrolled)
Learners who completed the course:	1,412 (4.72 % of those who started)

Videos*

Total videos:	50
Total video duration:	15:23:51
Minimum video duration:	00:06:17
Maximum video duration:	00:37:16
Average video duration:	00:18:29

Total videos streamed:	305,185
Video streams per lecture:	6,104
Video streams per person:	10.2
Total videos downloaded:	483,452
Downloads per video:	9,669
Downloads per person:	16.1
Unique videos watched:	413,796
Unique videos watched per person:	16.15

Demographic Information

Learners enrolled from:	198 countries
Gender ratio (F:M):	29:71

Table 5: Geographical distribution (top ten countries of enrolled learners)

Country	Percent of students
United States	23 %
India	11 %
United Kingdom	5 %
China	4 %
Australia	4 %
Spain	3 %
Russian Federation	3 %
Canada	3 %
Brazil	3 %
Singapore	2 %
Germany	2 %
France	2 %

Table 6: Geographical distribution of learners (per continent)

Continent	Percent of students
Europe	30 %
Asia	29 %
North America	28 %
South America	6 %
Oceania	4 %
Africa	3 %

*See *Glossary of Terms* for more information

Discussion Forums

Total posts:	4,652
Posts per person:	3.42
Total comments:	2,673
Comments per person:	3.87
Total discussion postings:	7,325 (posts + comments)
Discussion postings per person:	4.70
Percentage participation in forums: (of those who started)	5.21 %

Assessment Tools

Quiz

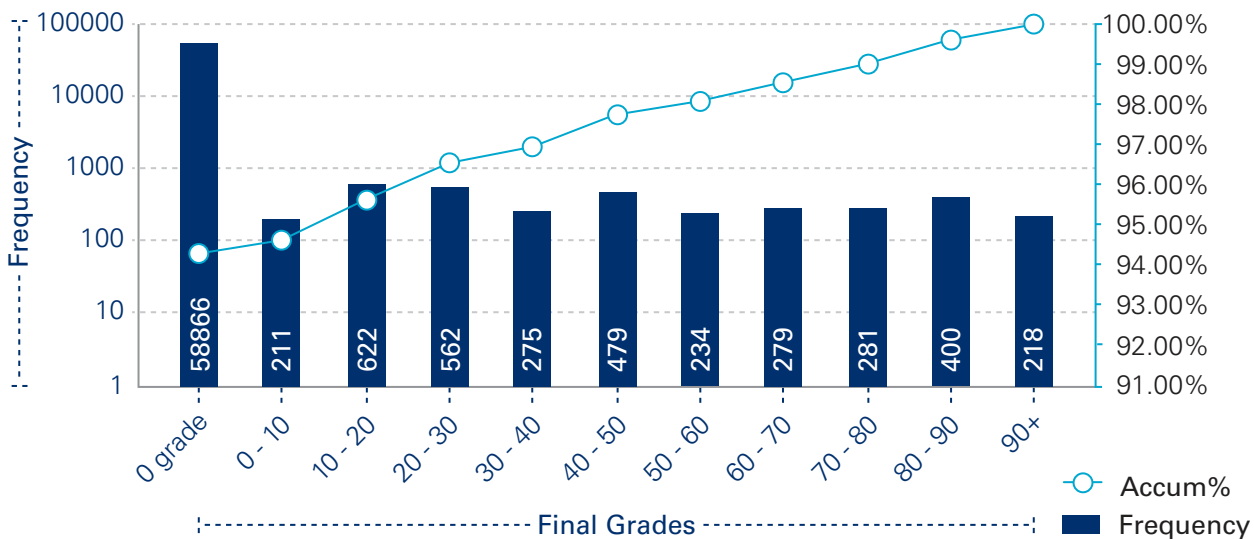
Total quiz submissions:	47,459
Quiz submissions per person:	5.97
Percent quiz participation: (of those who started)	27.81 %
Unique quiz submissions:	24,371
Unique quiz submissions per person:	3.07

Peer Assessment (PA)

Total PA submissions:	1,074
PA submissions per person:	1.03
Percent PA submissions: (of learners who started)	3.48 %

Grade Distribution

Figure 3: Grade distribution for Principles of Macroeconomics (normal + distinction grade)



CLIMATE CHANGE 2013

General Statistics

Course duration:	11 weeks
Total learners who enrolled:	48,916
Total signature-track enrolments:	314
Learners who started the course:	23,068 (47.16 % of those who enrolled)
Learners who completed the course:	937 (4.06 % of those who started)

Videos*

Total videos:	68
Total video duration:	15:42:50
Minimum video duration:	00:00:38
Maximum video duration:	00:32:48
Average video duration:	00:13:52

Total videos streamed:	259,182
Video streams per lecture:	3,812
Video streams per person:	19.5
Total videos downloaded:	266,249
Downloads per video:	3,915
Downloads per person:	41.4
Unique videos watched:	319,248
Unique videos watched per person:	20.67

Demographic Information

Learners enrolled from:	203 countries
Gender ratio (F:M):	48:52

Table 7: Geographical distribution (top ten countries of enrolled learners)

Country	Percent of students
United States	24 %
India	8 %
United Kingdom	5 %
Australia	5 %
Spain	3 %
Canada	3 %
Brazil	3 %
Germany	3 %
China	2 %
Russian Federation	2 %
Mexico	2 %
Philippines	2 %

Table 8: Geographical distribution of learners (per continent)

Continent	Percent of students
North America	30 %
Europe	29 %
Asia	24 %
South America	7 %
Oceania	5 %
Africa	4 %

*See *Glossary of Terms* for more information

Discussion Forums

Total posts:	9,511
Posts per person:	5.87
Total comments:	9,920
Comments per person:	11.81
Total discussion postings:	19,431 (posts + comments)
Discussion postings per person:	10.87
Percentage participation in forums: (of those who started)	7.75 %

Assessment Tools

Quiz

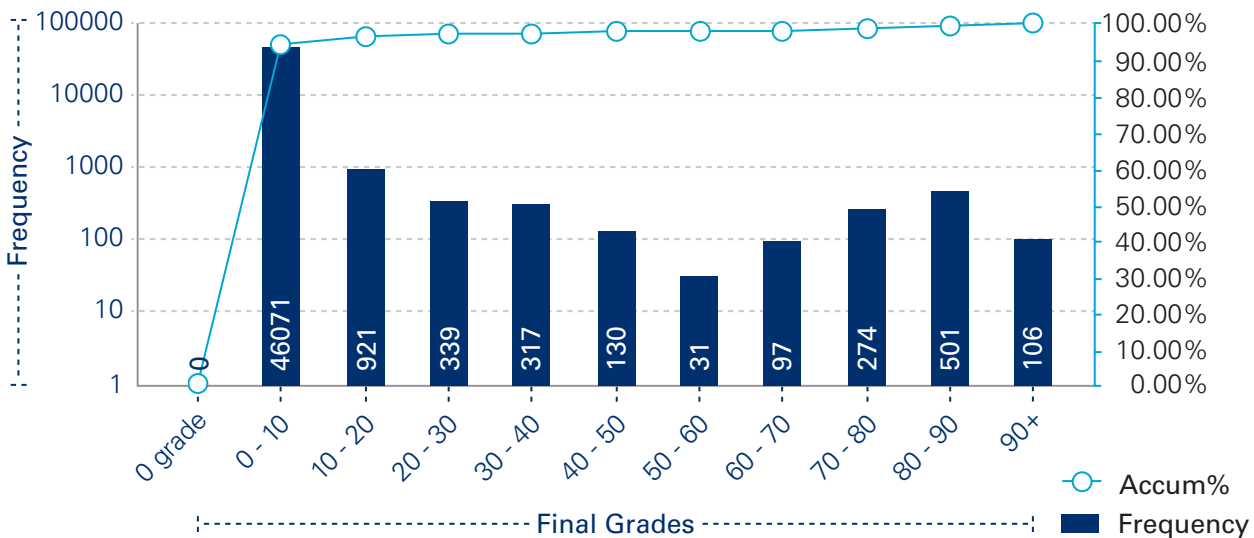
Total quiz submissions:	33,207
Quiz submissions per person:	6.85
Percent quiz participation: (of those who started)	21.02 %
Unique quiz submissions:	21,011
Unique quiz submissions per person:	4.33

Peer Assessment (PA)

Total PA submissions:	2,446
PA submissions per person:	1.88
Percent PA submissions: (of learners who started)	5.64 %

Grade Distribution

Figure 4: Grade distribution for Climate Change (normal grade, no distinction awarded)



ANIMAL BEHAVIOUR 2013

General Statistics

Course duration:	8 weeks
Total learners who enrolled:	48,106
Total signature-track enrolments:	250
Learners who started the course:	25,964 (53.97 % of those who enrolled)
Learners who completed the course:	1,426 (5.49 % of those who started)

Videos*

Total videos:	44
Total video duration:	10:50:43
Minimum video duration:	00:04:45
Maximum video duration:	00:53:19
Average video duration:	00:14:47

Total videos streamed:	239,549
Video streams per lecture:	5,444
Video streams per person:	14.7
Total videos downloaded:	214,573
Downloads per video:	4,877
Downloads per person:	32.6
Unique videos watched:	269,627
Unique videos watched per person:	14.55

Demographic Information

Learners enrolled from:	183 countries
Gender ratio (F:M):	58:42

Table 9: Geographical distribution (top ten countries of enrolled learners)

Country	Percent of students
United States	30%
United Kingdom	7%
India	6%
Canada	4%
Australia	4%
Brazil	4%
Spain	4%
Germany	3%
China	3%
Russian Federation	2%
Greece	2%
Mexico	2%
Portugal	2%

Table 10: Geographical distribution of learners (per continent)

Continent	Percent of students
North America	37%
Europe	32%
Asia	17%
South America	7%
Oceania	5%
Africa	2%

*See *Glossary of Terms* for more information

Discussion Forums

Total posts:	5,396
Posts per person:	3.23
Total comments:	2,897
Comments per person:	3.73
Total discussion postings:	8,293 (posts + comments)
Discussion postings per person:	4.55
Percentage participation in forums: (of those who started)	7.02 %

Assessment Tools

Quiz

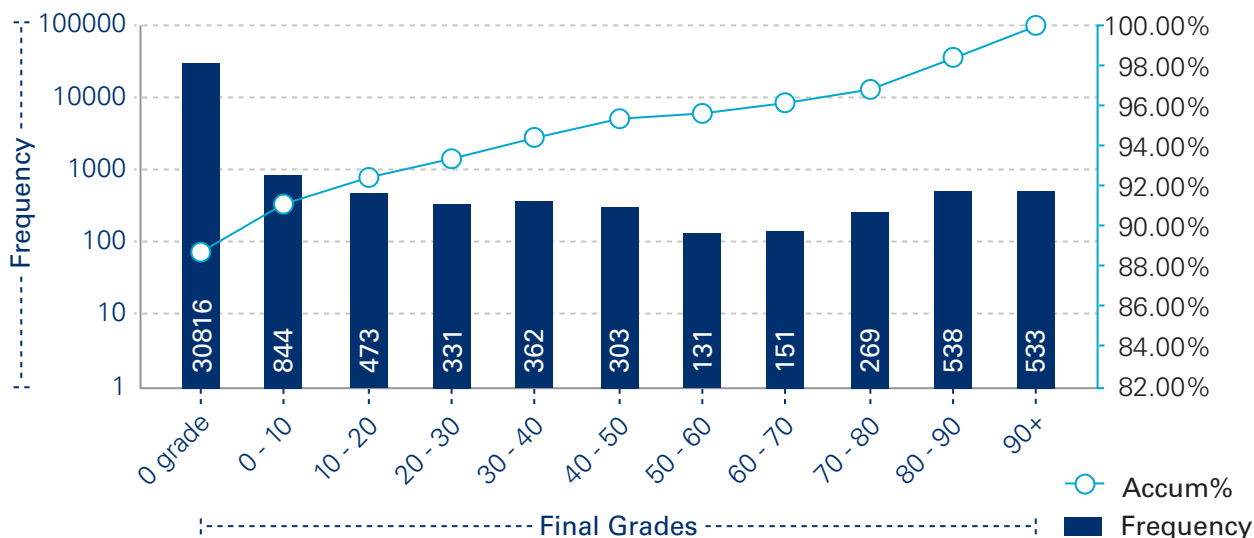
Total quiz submissions:	53,297
Quiz submissions per person:	6.89
Percent quiz participation: (of those who started)	29.78 %
Unique quiz submissions:	25,715
Unique quiz submissions per person:	3.33

Peer Assessment (PA)

Total PA submissions:	1,600
PA submissions per person:	1.04
Percent PA submissions: (of learners who started)	5.95 %

Grade Distribution

Figure 5: Grade distribution for Animal Behaviour (normal grade, no distinction awarded)



General Statistics

Course duration:	6 weeks
Total learners who enrolled:	39,167
Total signature-track enrolments:	459
Learners who started the course:	19,778 (50.5 % of those who enrolled)
Learners who completed the course:	2,088 (10.56 % of those who started)

Videos*

Total videos:	54
Total video duration:	09:50:17
Minimum video duration:	00:04:13
Maximum video duration:	00:17:24
Average video duration:	00:10:56

Total videos streamed:	280,503
Video streams per lecture:	5,195
Video streams per person:	18.7
Total videos downloaded:	155,768
Downloads per video:	2,885
Downloads per person:	18.5
Unique videos watched:	257,156
Unique videos watched per person:	17.47

Demographic Information

Learners enrolled from:	175 countries
Gender ratio (F:M):	51:49

Table 11: Geographical distribution (top ten countries of enrolled learners)

Country	Percent of students
United States	33 %
India	6 %
United Kingdom	5 %
Spain	4 %
Brazil	4 %
Canada	4 %
Australia	3 %
Germany	3 %
China	2 %
Russian Federation	2 %
Mexico	2 %

Table 12: Geographical distribution of learners (per continent)

Continent	Percent of students
North America	40 %
Europe	30 %
Asia	16 %
South America	8 %
Oceania	4 %
Africa	3 %

*See *Glossary of Terms* for more information

Discussion Forums

Total posts:	2,874
Posts per person:	2.73
Total comments:	2,967
Comments per person:	5.54
Total discussion postings:	5,841 (posts + comments)
Discussion postings per person:	4.90
Percentage participation in forums: (of those who started)	6.03 %

Assessment Tools

Quiz

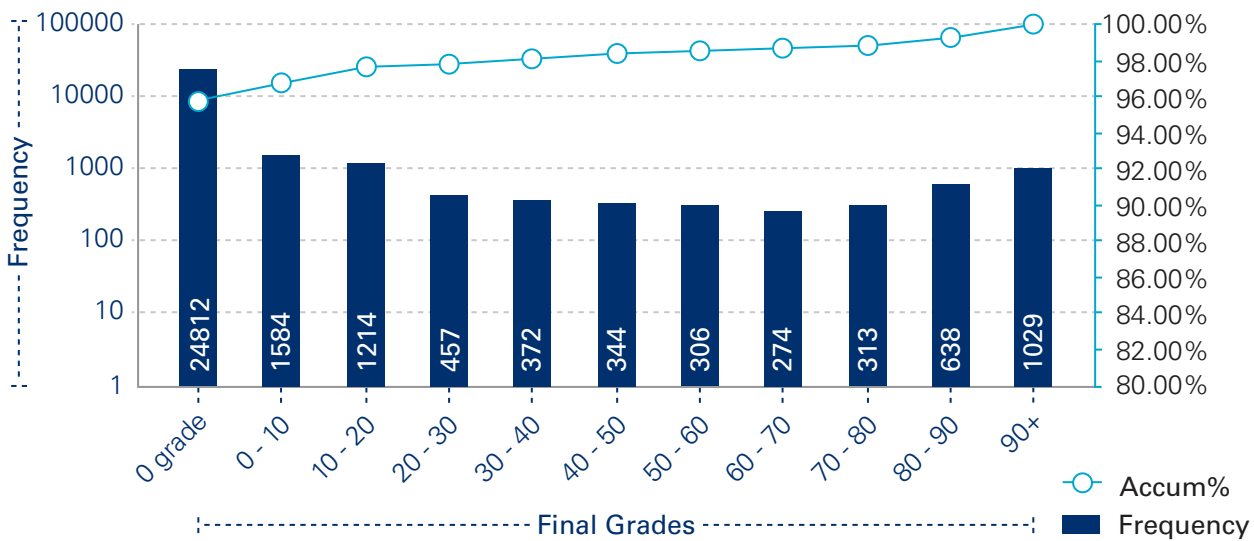
Total quiz submissions:	49,979
Quiz submissions per person:	5.66
Percent quiz participation: (of those who started)	44.65 %
Unique quiz submissions:	25,365
Unique quiz submissions per person:	2.87

Peer Assessment (PA)

Total PA submissions:	2,183
PA submissions per person:	1.02
Percent PA submissions: (of learners who started)	10.77 %

Grade Distribution

Figure 6: Grade distribution for Epigenetic Control of Gene Expression (normal grade, no distinction awarded)



DISCRETE OPTIMIZATION 2013

General Statistics

Course duration:	9 weeks
Total learners who enrolled:	51,395
Total signature-track enrolments:	N/A*
Learners who started the course:	29,908 (58.19 % of those who enrolled)
Learners who completed the course:	795 (2.66 % of those who started)

Videos*

Total videos:	57
Total video duration:	17:17:06
Minimum video duration:	00:03:50
Maximum video duration:	00:37:13
Average video duration:	00:18:12

Total videos streamed:	223,770
Video streams per lecture:	3,926
Video streams per person:	12.4
Total videos downloaded:	618,730
Downloads per video:	10,855
Downloads per person:	63.4
Unique videos watched:	371,692
Unique videos watched per person:	17.66

Demographic Information

Learners enrolled from:	173 countries
Gender ratio (F:M):	12:88

Table 13: Geographical distribution (top ten countries of enrolled learners)

Country	Percent of students
United States	30 %
India	10 %
United Kingdom	4 %
Russian Federation	3 %
Canada	3 %
Germany	3 %
Brazil	3 %
China	3 %
Australia	3 %
Spain	2 %
France	2 %

Table 14: Geographical distribution of learners (per continent)

Continent	Percent of students
North America	35 %
Europe	31 %
Asia	23 %
South America	5 %
Oceania	3 %
Africa	3 %

*See *Glossary of Terms* for more information

Discussion Forums

Total posts:	4,682
Posts per person:	3.88
Total comments:	3,623
Comments per person:	5.48
Total discussion postings:	8,305 (posts + comments)
Discussion postings per person:	6.27
Percentage participation in forums: (of those who started)	4.43 %

Assessment Tools

Assignment Parts (AP)

Total AP submissions:	8,188
AP submissions per person:	5.73
Percent AP participations: (of those who started)	22.28 %
Unique AP submissions:	14,651
Unique AP submissions per person:	2.20

Grade Distribution

Figure 7: Grade distribution for Discrete Optimization (2013; normal grade)

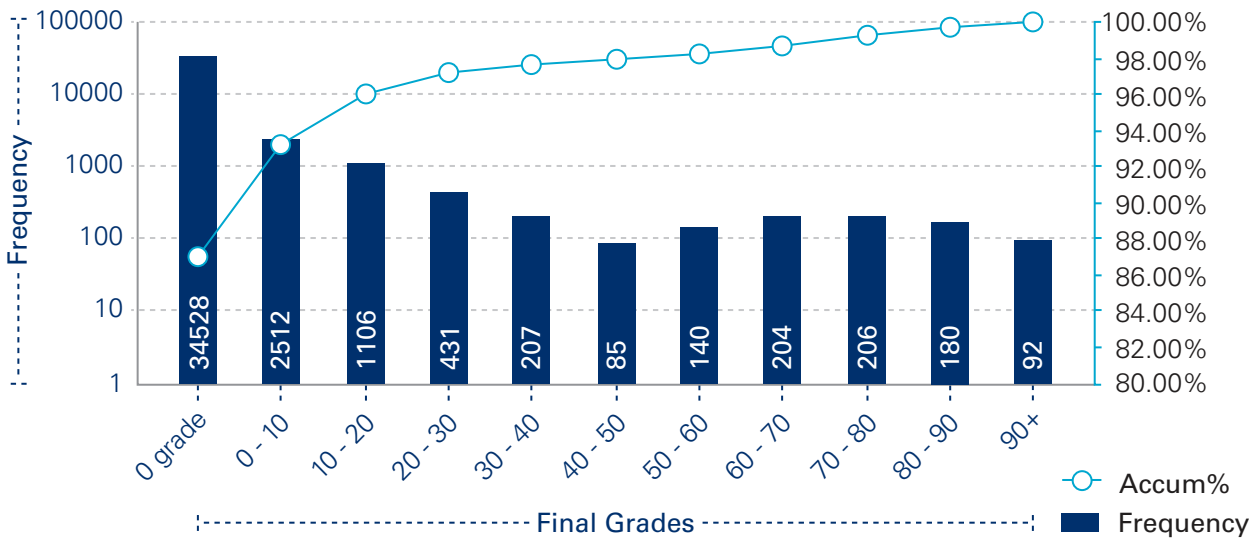
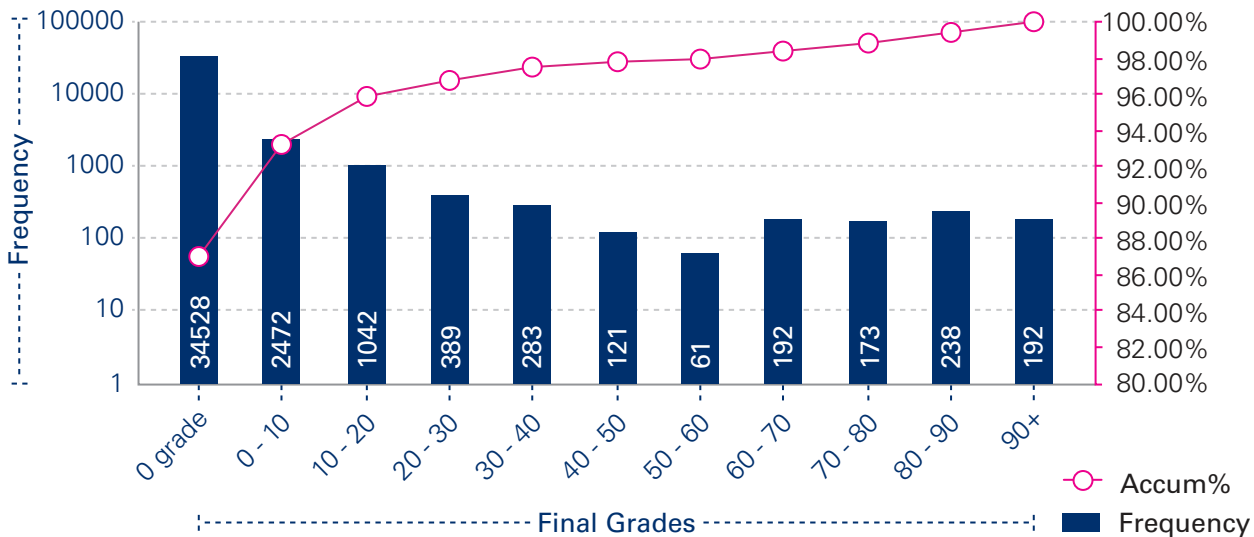


Figure 8: Grade distribution for Discrete Optimization (2013; distinction grade)



DISCRETE OPTIMIZATION 2014

General Statistics

Course duration:	9 weeks
Total learners who enrolled:	34,263
Total signature-track enrolments:	N/A*
Learners who started the course:	16,941 (49.44 % of those who enrolled)
Learners who completed the course:	323 (1.91 % of those who started)

Videos*

Total videos:	63
Total video duration:	18:26:24
Minimum video duration:	00:02:29
Maximum video duration:	00:37:13
Average video duration:	00:17:34

Total videos streamed:	126,658
Video streams per lecture:	2,010
Video streams per person:	13.1
Total videos downloaded:	334,460
Downloads per video:	5,309
Downloads per person:	69.7
Unique videos watched:	215,730
Unique videos watched per person:	18.78

Demographic Information

Learners enrolled from:	164 countries
Gender ratio (F:M):	12:88

Table 15: Geographical distribution (top ten countries of enrolled learners)

Country	Percent of students
United States	27 %
India	11 %
China	5 %
United Kingdom	4 %
Russian Federation	3 %
Canada	3 %
Germany	3 %
Brazil	3 %
Australia	2 %
France	2 %
Spain	2 %
Poland	2 %

Table 16: Geographical distribution of learners (per continent)

Continent	Percent of students
North America	32 %
Europe	31 %
Asia	26 %
South America	5 %
Oceania	3 %
Africa	3 %

*See *Glossary of Terms* for more information

Discussion Forums

Total posts:	2,292
Posts per person:	4.13
Total comments:	1,345
Comments per person:	4.48
Total discussion postings:	3,637 (posts + comments)
Discussion postings per person:	6.04
Percentage participation in forums: (of those who started)	3.55 %

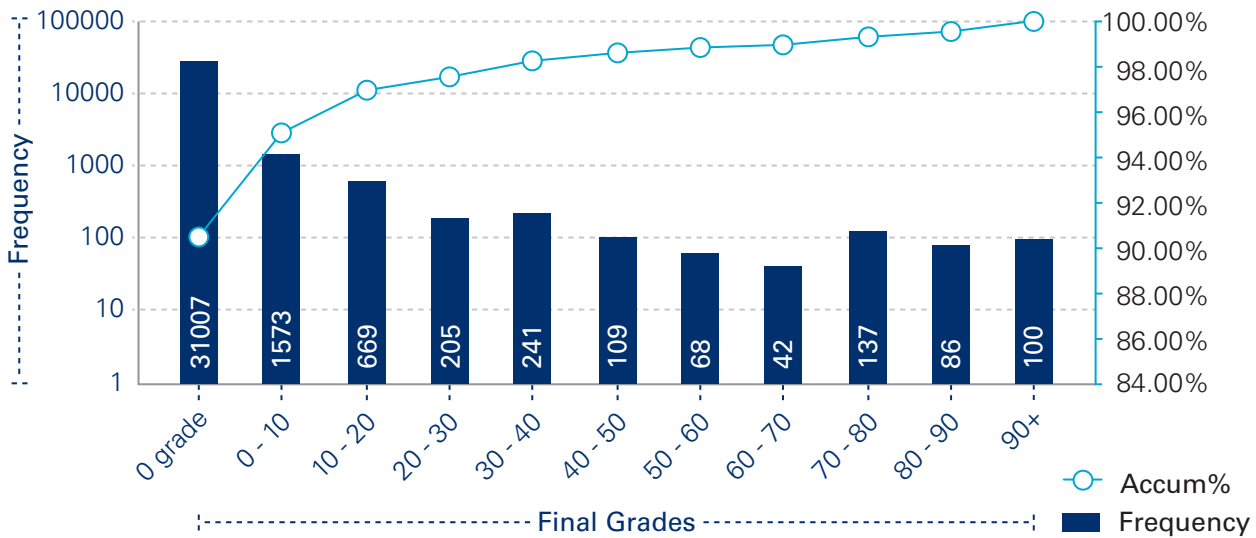
Assessment Tools

Assignment Parts (AP)

Total AP submissions:	45,925
AP submissions per person:	14.12
Percent AP participation: (of those who started)	19.2 %
Unique AP submissions:	14,770
Unique AP submissions per person:	4.54

Grade Distribution

Figure 9: Grade distribution for Discrete Optimization (2014; normal + distinction grade)



General Statistics

Course duration:	8 weeks
Total learners who enrolled:	24,099
Total signature-track enrolments:	344
Learners who started the course:	11,930 (49.5 % of those who enrolled)
Learners who completed the course:	1,009 (8.46 % of those who started)

Videos*

Total videos:	55
Total video duration:	10:09:15
Minimum video duration:	00:04:13
Maximum video duration:	00:17:27
Average video duration:	00:11:05

Total videos streamed:	160,909
Video streams per lecture:	2,926
Video streams per person:	18.1
Total videos downloaded:	109,303
Downloads per video:	1,987
Downloads per person:	2.6
Unique videos watched:	169,707
Unique videos watched per person:	19.1

Demographic Information

Learners enrolled from:	160 countries
Gender ratio (F:M):	47:52

Table 17: Geographical distribution (top ten countries of enrolled learners)

Country	Percent of students
United States	29 %
India	6 %
China	6 %
United Kingdom	5 %
Spain	4 %
Canada	4 %
Brazil	3 %
Australia	3 %
Germany	3 %
Russian Federation	2 %
Mexico	2 %

Table 18: Geographical distribution of learners (per continent)

Continent	Percent of students
North America	36 %
Europe	30 %
Asia	22 %
South America	7 %
Oceania	3 %
Africa	3 %

*See *Glossary of Terms* for more information

Discussion Forums

Total posts:	1,747
Posts per person:	3.93
Total comments:	872
Comments per person:	4.98
Total discussion postings:	2619 (posts + comments)
Discussion postings per person:	5.58
Percentage participation in forums: (of those who started)	3.93 %

Assessment Tools

Quiz

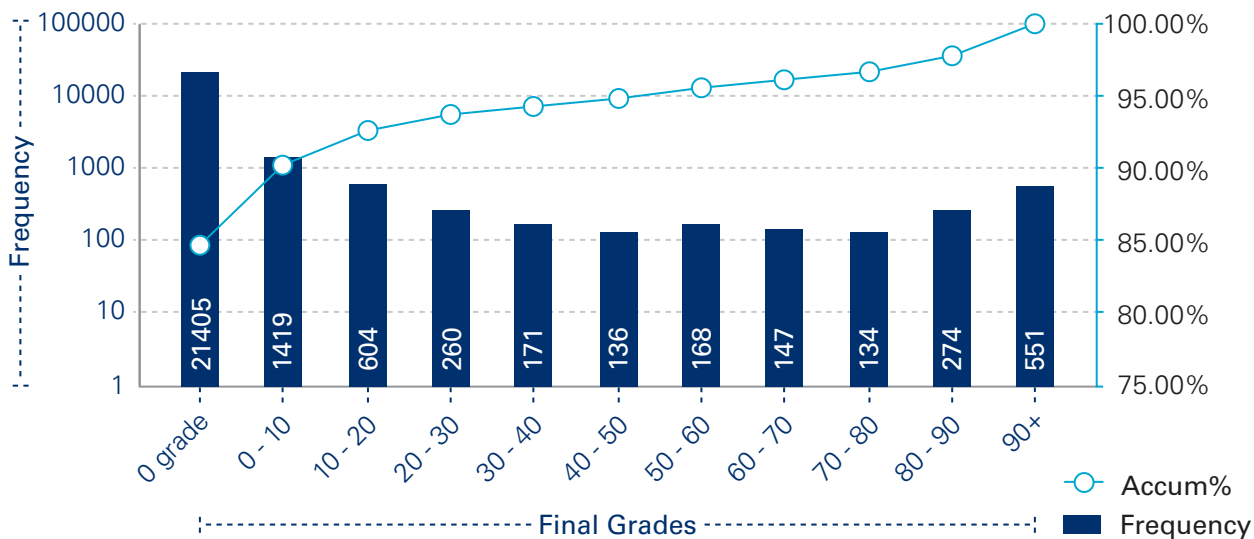
Total quiz submissions:	26,581
Quiz submissions per person:	6.04
Percent quiz participation: (of those who started)	36.87 %
Unique quiz submissions:	13,950
Unique quiz submissions per person:	3.17

Peer Assessment (PA)

Total PA submissions:	1,077
PA submissions per person:	1.02
Percent PA submissions: (of learners who started)	8.83 %

Grade Distribution

Figure 10: Grade distribution for Epigenetic Control of Gene Expression (2014; normal grade, no distinction awarded)



General Statistics

Course duration:	5 weeks
Total learners who enrolled:	50,098
Total signature-track enrolments:	191
Learners who started the course:	27,260 (54.41 % of those who enrolled)
Learners who completed the course:	1,231 (4.52 % of those who started)

Videos*

Total videos:	32
Total video duration:	06:57:19
Minimum video duration:	00:05:17
Maximum video duration:	00:28:54
Average video duration:	00:13:02

Total videos streamed:	142,342
Video streams per lecture:	4,448
Video streams per person:	9.6
Total videos downloaded:	183,156
Downloads per video:	5,724
Downloads per person:	33
Unique videos watched:	189,128
Unique videos watched per person:	10.84

Demographic Information

Learners enrolled from:	187 countries
Gender ratio (F:M):	33:67

Table 19: Geographical distribution (top ten countries of enrolled learners)

Country	Percent of students
United States	26 %
India	9 %
China	6 %
United Kingdom	4 %
Russian Federation	3 %
Canada	3 %
Australia	3 %
Brazil	3 %
Germany	3 %
Spain	2 %
France	2 %

Table 20: Geographical distribution of learners (per continent)

Continent	Percent of students
North America	31 %
Europe	30 %
Asia	27 %
South America	5 %
Oceania	4 %
Africa	3 %

*See *Glossary of Terms* for more information

Discussion Forums

Total posts:	2,687
Posts per person:	3.48
Total comments:	1,382
Comments per person:	3.45
Total discussion postings:	4,069 (posts + comments)
Discussion postings per person:	4.63
Percentage participation in forums: (of those who started)	3.22 %

Assessment Tools

Quiz

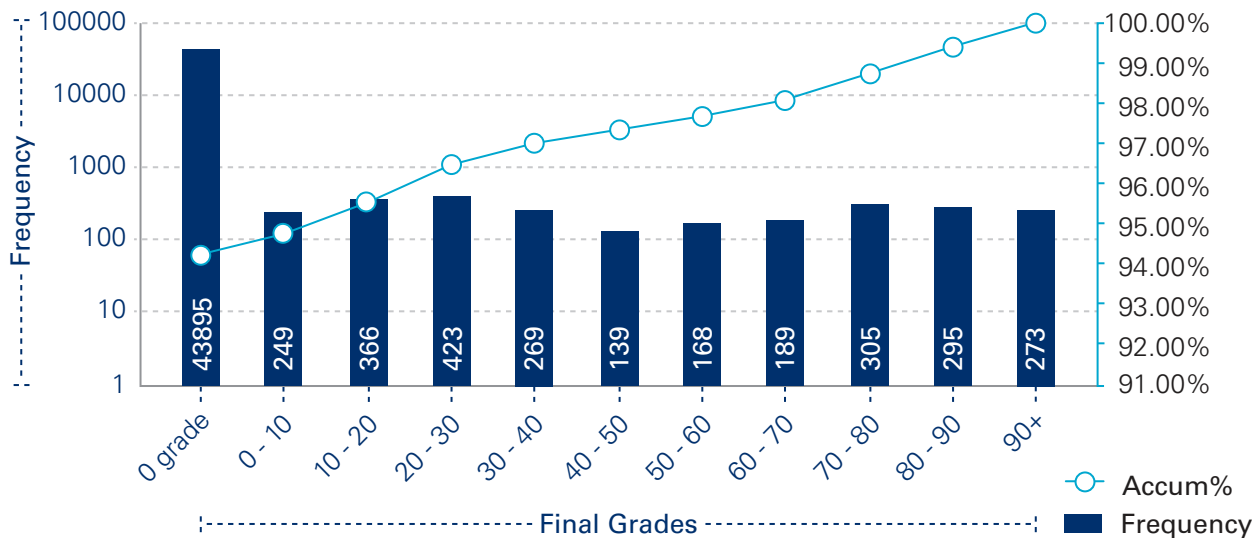
Total quiz submissions:	43,009
Quiz submissions per person:	11.82
Percent quiz participation: (of those who started)	13.35 %
Unique quiz submissions:	26,684
Unique quiz submissions per person:	7.33

Peer Assessment (PA)

Total PA submissions:	1,249
PA submissions per person:	2.15
Percent PA submissions: (of learners who started)	2.15%

Grade Distribution

Figure 11: Grade distribution for Logic 1 (normal grade, no distinction awarded)



General Statistics

Course duration:	8 weeks
Total learners who enrolled:	25,158
Total signature-track enrolments:	82
Learners who started the course:	7,696 (30.59 % of those who enrolled)
Learners who completed the course:	424 (5.51 % of those who started)

Videos*

Total videos:	43
Total video duration:	12:06:46
Minimum video duration:	00:04:53
Maximum video duration:	00:30:32
Average video duration:	00:16:54

Total videos streamed:	40,706
Video streams per lecture:	947
Video streams per person:	10.7
Total videos downloaded:	83,720
Downloads per video:	1,947
Downloads per person:	46.7
Unique videos watched:	71,787
Unique videos watched per person:	14.42

Demographic Information

Learners enrolled from:	177 countries
Gender ratio (F:M):	29:71

Table 21: Geographical distribution (top ten countries of enrolled learners)

Country	Percent of students
United States	24 %
India	9 %
China	7 %
United Kingdom	4 %
Russian Federation	3 %
Canada	3 %
Australia	3 %
Germany	3 %
Brazil	3 %
Spain	2 %
France	2 %

Table 22: Geographical distribution of learners (per continent)

Continent	Percent of students
Europe	30 %
North America	29 %
Asia	29 %
South America	5 %
Africa	4 %
Oceania	3 %

*See *Glossary of Terms* for more information

Discussion Forums

Total posts:	1,201
Posts per person:	5.15
Total comments:	435
Comments per person:	4.18
Total discussion postings:	1,636 (posts + comments)
Discussion postings per person:	6.79
Percentage participation in forums: (of those who started)	3.13 %

Assessment Tools

Quiz

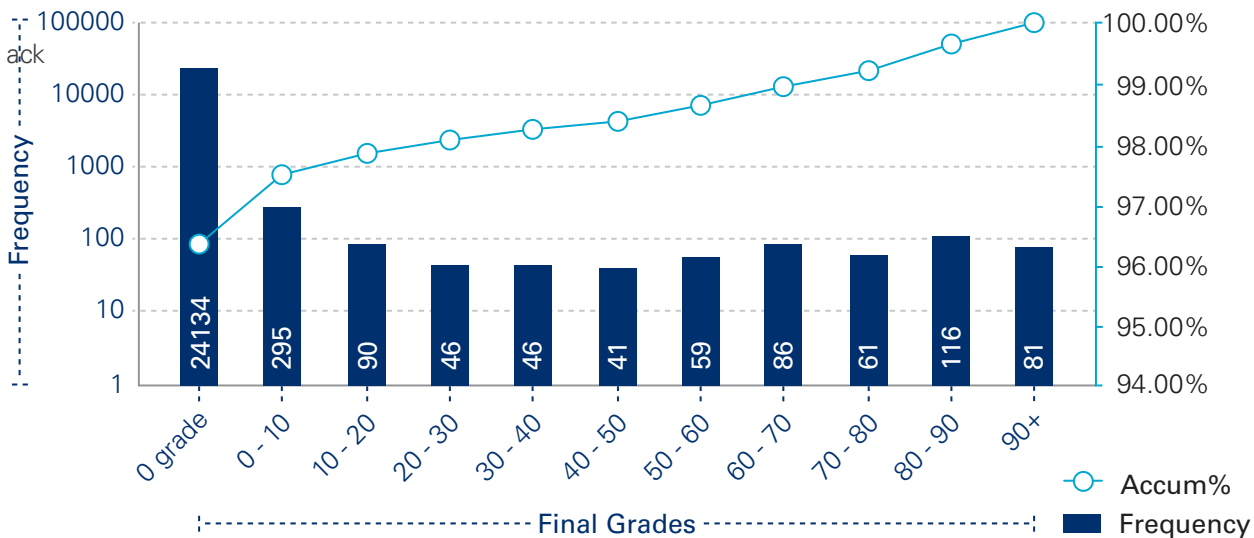
Total quiz submissions:	7,742
Quiz submissions per person:	8.03
Percent quiz participation: (of those who started)	12.53 %
Unique quiz submissions:	4,800
Unique quiz submissions per person:	4.98

Peer Assessment (PA)

Total PA submissions:	119
PA submissions per person:	1.19
Percent PA submissions: (of learners who started)	1.30 %

Grade Distribution

Figure 12: Grade distribution for Logic 2 (normal grade, no distinction awarded)



Glossary of Terms

General Statistics

Total enrolled learners: The count of students who registered for the course irrespective of whether they started, completed, or not.

Signature-track: Signature track is where the students can, for a small fee, choose to take a Coursera MOOC where they have the opportunity to earn a verified certificate for successfully completing the course.

Signature-track enrolments: Only some Coursera MOOCs used signature track and this option was available in late 2013. Only those MOOCs where signature track was available will be included.

Learners who started: The count of enrolled students who accessed the course website one or more times after the course started.

Learners who completed: The count of students who passed the course and were awarded certificates of completion / distinction.

Videos

Total video duration: The sum of timing information for all lecture videos of a given course. This number is presented in the format: Hours (HH) : Minutes (MM) : Seconds (SS)

Minimum video duration: The minimum length of any lecture video of a given course. This number is presented in the format: Hours (HH) : Minutes (MM) : Seconds (SS)

Maximum video duration: The maximum length for any lecture video of a given course. This number is presented in the format: Hours (HH) : Minutes (MM) : Seconds (SS)

Average video duration: The total lecture video duration in a given course divided by the count of lecture videos in that course. This number is presented in the format: Hours (HH) : Minutes (MM) : Seconds (SS)
This number is presented as: MM:SS

Total videos streamed: The count of lecture videos watched online by learners. Streamed videos include in-video quizzes and closed captions, thus, they provide more opportunity for interactivity than downloaded videos.

Video streams per lecture: The count of lecture video streams divided by the count of lecture videos.

Video streams per person: The count of lecture video streams divided by the count of total learners who streamed the videos.

Total videos downloaded: The count of lecture videos downloaded by the learners. Downloaded videos do not include in-video quizzes or closed captions. Although learners can download videos to view offline, it cannot be determined whether learners actually watched the videos.

Downloads per video: The count of lecture video downloads divided by the count of lecture videos in a given course.

Downloads per person: The count of lecture video downloads divided by the total count of learners who downloaded any video.

Unique videos watched: The count of unique lecture viewings summed across students for both streaming and downloaded video lectures.

Unique videos watcher per person: The count of unique videos watched divided by the count of learners who watched or downloaded a lecture video.

Demographic Information

Learners enrolled from: The count of distinct countries of the enrolled learners.

This information is collected by Coursera through its own survey and is published online for each MOOC.

Gender ratio: The ratio of female (F) and male (M) learners. This number is derived from the surveys conducted by Coursera. In some cases, the proportions do not add up to 100% because some learners opted not to indicate a gender.

Assessment Tools

A course may be assessed in a number of ways, by quizzes, peer assessment (PA) or assignment parts (AP). For each course, the corresponding assessment measure is provided.

Total quiz submissions: The total number of times each quiz (exam, homework, quiz, tutorial, practice quiz) has been attempted. This does not include the in-video quizzes and surveys.

Unique quiz submissions: The count of unique quiz submissions summed across learners.

Unique quiz submissions per person: The total count of unique quiz submissions divided by the count of distinct learners who attempted a quiz.



