

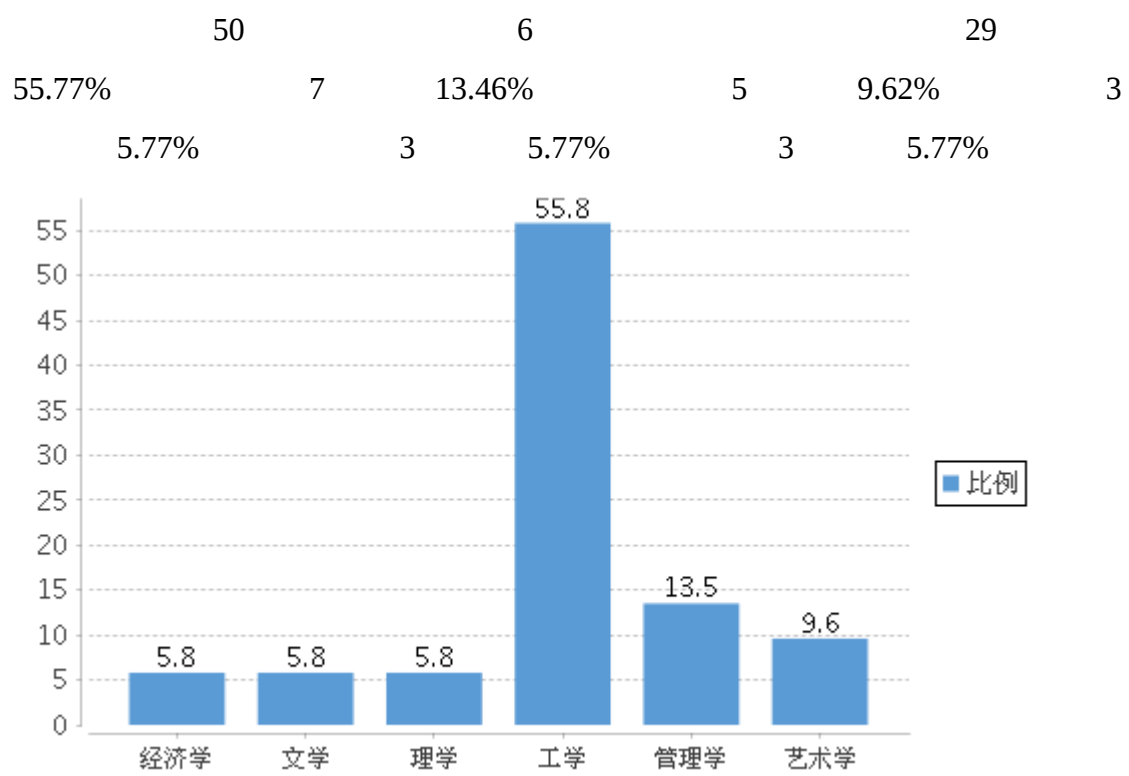
2017-2018

	2000		50	8	1
	(			)	16,485
	190		17,019.6		1,108
	783				
	21		22		41
					380
	8	360	12		
2018	5				

[2016]75

[illegible]

.....	16
.....	16
.....	16
.....	17
.....	17
.....	21
.....	21
.....	21
.....	22
.....	23
.....	23



1

2

8

1

2017-2018 15,762 3,952 4,005
3,891 3,875 39)
2018 9 30 16,485
96.58% 1
1

	()												
15,921	374	190	0	0	0	0	0	0	0	607	2,575	0	0

2018 47 4,236 92
4,236 100% 4,125 97.38%
3,117
28 26 26
2 2
2

	1	3	0	488	432	--	14	48.5	--
	2	4	0	436	407	--	53	47.5	--
	2	24	0	441	358	--	103.6	145	--
	2	19	0	476	432	--	37	55.2	--
	2	10	0	399	336	--	63.5	88.8	--
	2	18	0	461	368	--	56.5	101.7	--

	4	18	0	432	405	--	44.3	45.1	--
	2	18	0	406	353	--	61	88.1	--
	0	0	6	0	0	401	--	--	13.7
	8	27	0	281	285	--	32.7	30.7	--
	0	0	50	0	0	490	--	--	66.7
	9	41	0	486	432	--	58.7	71.6	--
	4	12	0	446	378	--	68.2	72.6	--
	2	16	0	496	447	--	62.5	69.4	--
	5	30	0	528	477	--	2.5	5.1	--
	4	11	0	436	374	--	91.1	118.7	--
	10	65	0	375	345	--	165.3	144.1	--
	451	2,406	0	526	450	--	27	46.8	--
	2	19	0	443	376	--	68.5	82.6	--
	4	24	0	403	345	--	104	136.1	--
	4	16	0	579	539	--	45.5	41	--
	6	29	0	494	487	--	6.8	4.2	--
	6	47	0	492	458	--	48.6	70.1	--
	2	21	0	447	379	--	113.5	85.8	--
	2	15	0	490	430	--	48	56.3	--
	4	31	0	467	425	--	25.2	27	--
	2	14	0	456	436	--	11	32	--
	2	4	0	372	341	--	109.5	108.5	--

783 230 898
 0.29:1 17,019.6 18.95:1
 122 15.58%
 331 42.27%
 636 81.23%
 2 63
 2 5
 3
 3

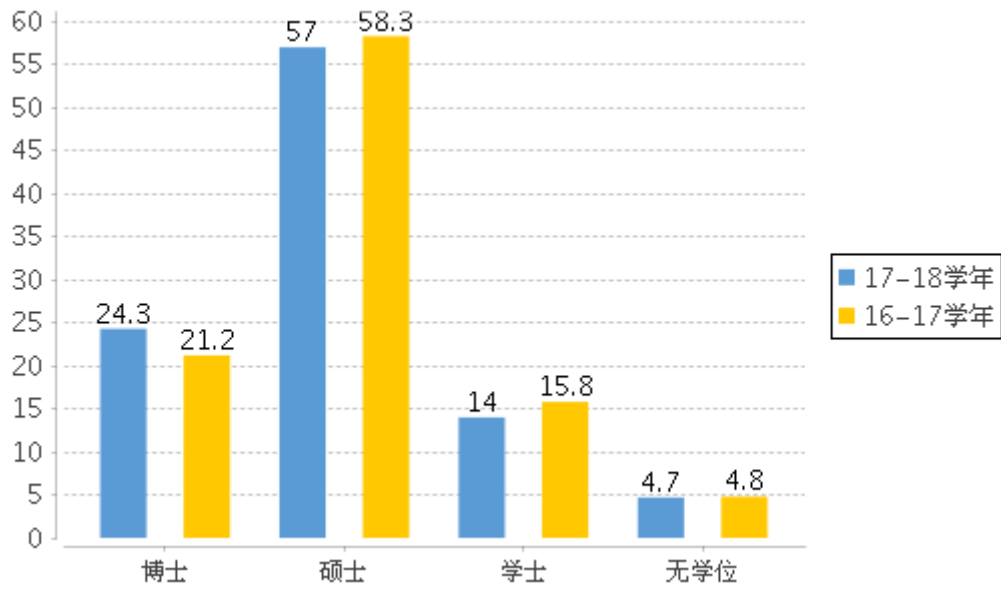
			%		%
		783	/	230	/
		77	9.83	17	7.39
		73	9.32	1	0.43
		254	32.44	62	26.96
		209	26.69	12	5.22
		364	46.49	112	48.7
		316	40.36	9	3.91

4

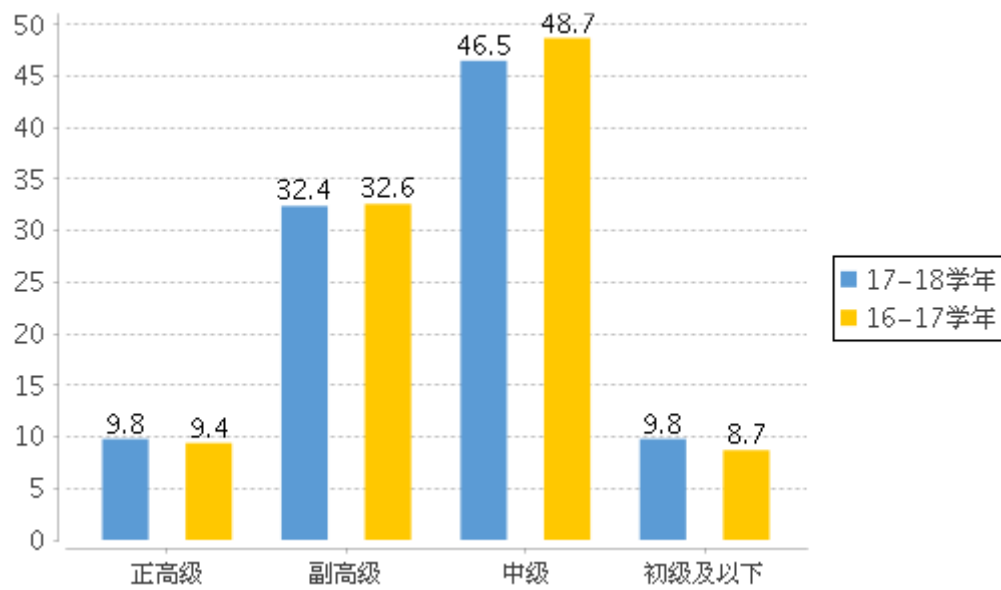
4

	783	230	898	18.95
	774	212	880	19.05

2 3 4

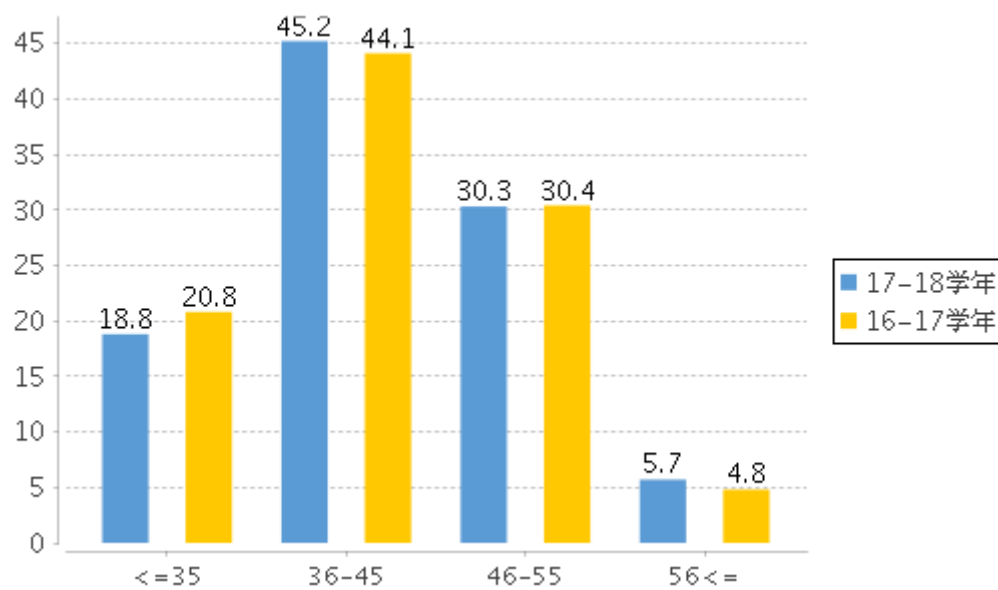


2

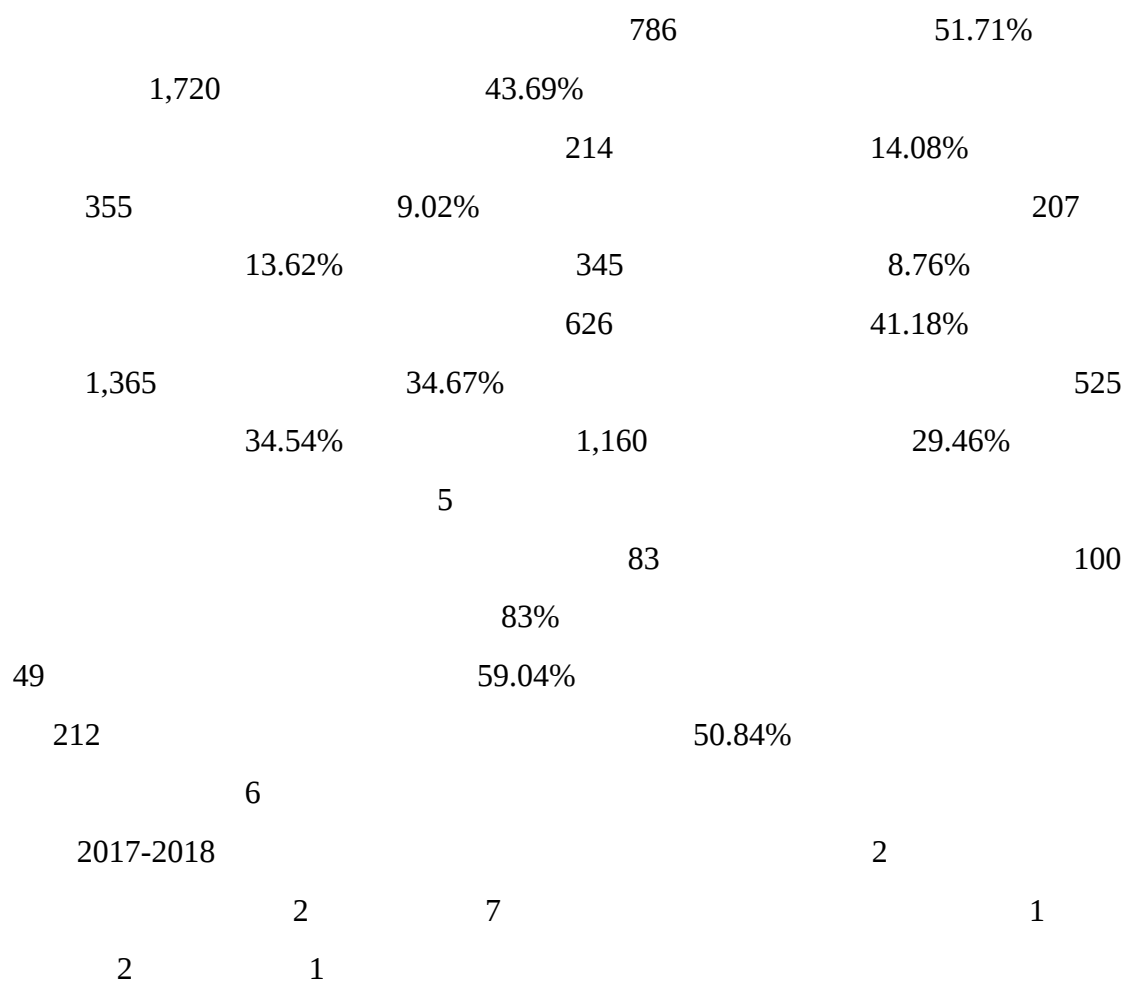


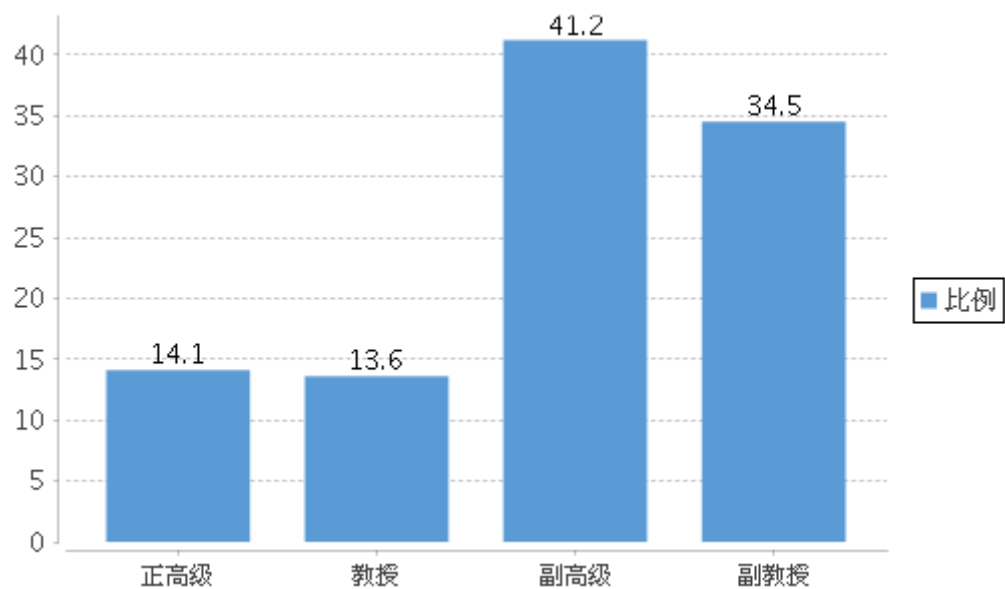
3

5

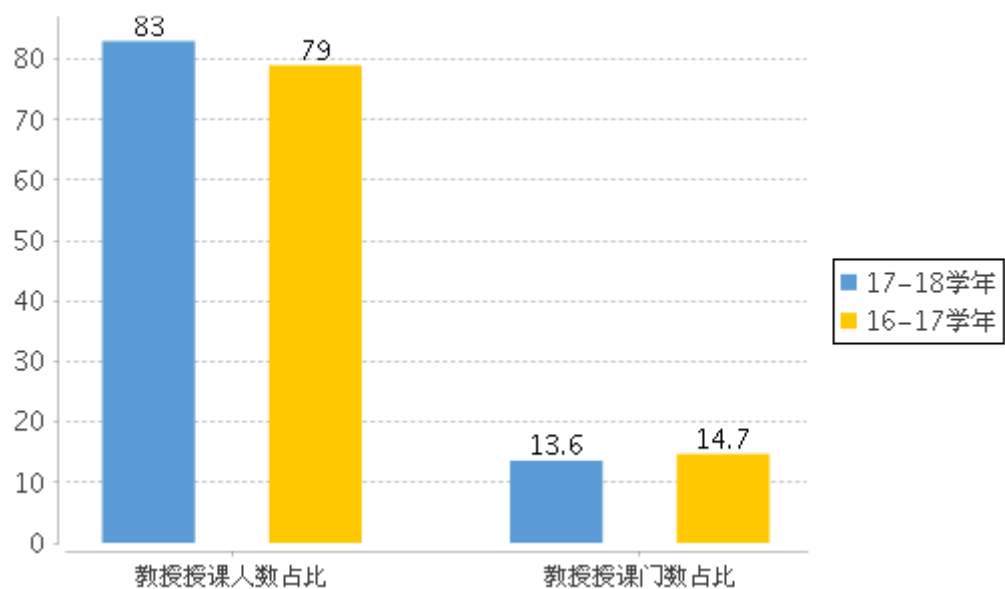


4



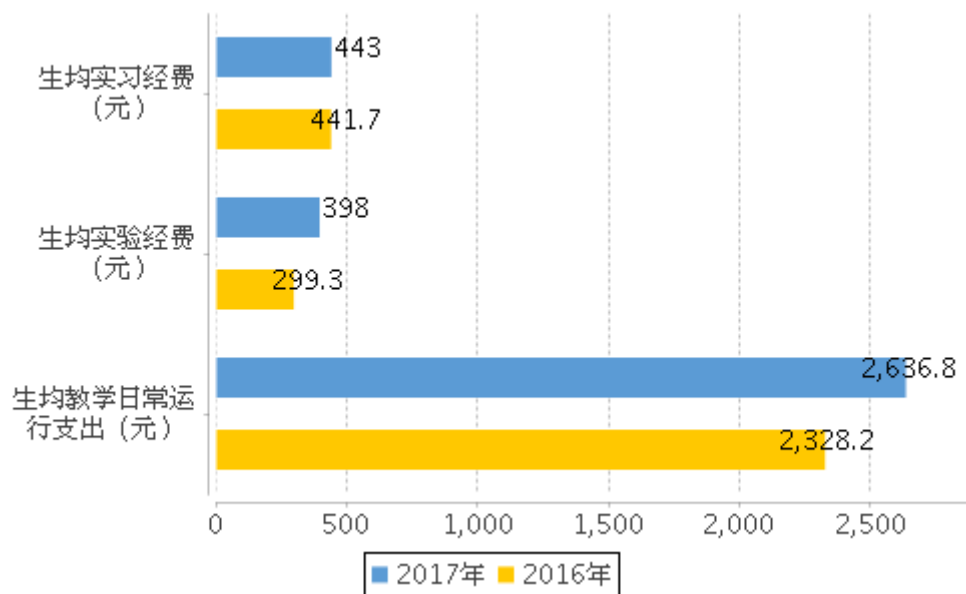


5



6

2017	4,296.67	633.65
	705.36	2,636.8
398	443.04	
	7	



7

1.

1,079,339m² 1,079,339m²
 669,190.18m² 539,634m²
 222,044m² 62,710m²
 80,249m² 18,472m²
 190,519m² 17,178m² 67 102,556m²
 16,485 5
 5

	1,079,339	65.47
	539,634	32.73
	669,190.18	40.59
	222,044	13.47
	80,249	4.87
	190,519	11.56
	17,178	1.04
	102,556	6.22

2.

		19,671.32	
1.16		1,141.08	
	6.16%		
	15,224	13,642.16	
10	173	3,796.29	
15,921		8,568.66	
	8		

3.

2017	2	34,719m ²	
2,200	1,470,498	23,331	
86.40	695,775	47	2017
43,019	24,228,530		

4.

	40,000Mbps	2,534Mbps
34,671	1,127	

1 50 1 4 8

3

2017

A 2018 47

3 48 41

85.42% 20 41.67%

2017 6

6 2017

	%	%	%
	88.83	11.17	33.77
	83.35	16.65	28.59
	85.90	14.10	29.65
	84.33	15.67	31.29
	83.85	16.15	29.79
	82.19	17.81	28.31

2 20 1,520 3,937

7

		%	%	%
30		1.87	7.83	6.37
		3.16	1.74	9.24
31-60		33.68	12.05	36.97
		34.37	5.23	35.07
61-90		44.4	30.12	44.14
		37.84	34.88	42.24
90		20.06	50	12.51
		24.64	58.14	13.45

2017

10

2

1.

358

37

75

66

9

15

20.0%

33

44.0%

2.

3,913

513

50.10%

15

7.18

3.

430

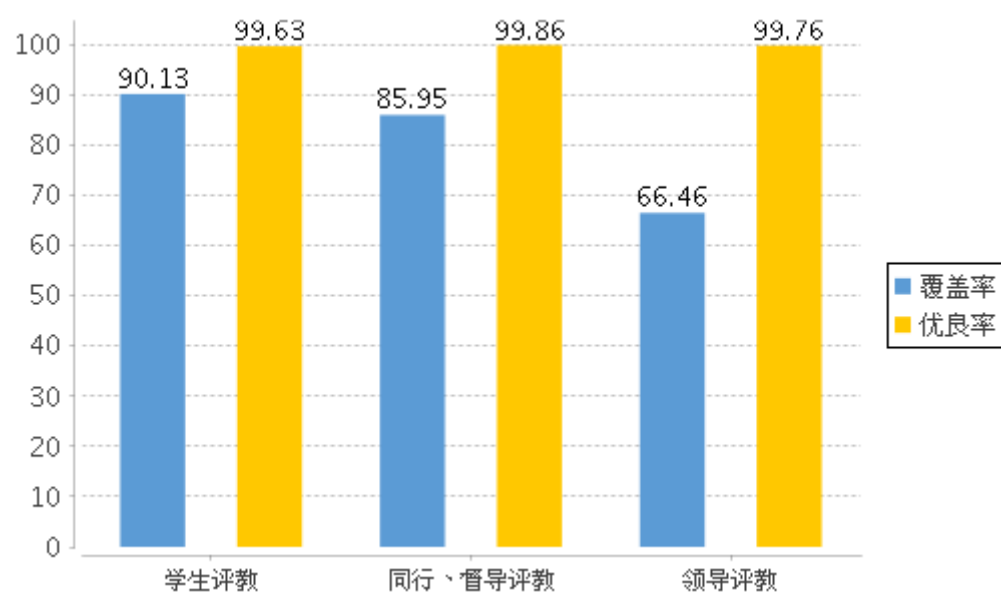
25,677

35
 58 38.85
 17 41
 367 20 30
 43
 3 2
 1 2 1 34
 1 15
 28
 164
 28 18 35 74 3 6
 2
 1 18
 36
 3 942
 8 2,459
 10

10

	2	7	9
	0	2	2
	8	0	8
	2	0	2
	1	7	8
	0	23	23
	1	5	6

	9	9	100.00%
4			44.44%
	17	6	35.29%
15			88.24%
	52	32	61.54%
31			59.62%
		2	
21			
	67	15,921	
237.6:1		10	14.93%
	35		52.24%
64.18%		43	
	24		35.82%
		3	
5673.20:1			
	5	3	60%
	4		80.00%
			99.63%
	90.13%		
	85.95%		99.86%
			99.76%
	66.46%		
8			



8

2010

8

8

8

2016

2009

8

2015

3

1

8 10

2 8

8

129

2

600 1800

40%

1

1

3

5

6

2017 5
260

2018 1

1

100

2.0

95%

2016

MOOC SPOC

MOOC

1. 96.58%

2.

			%		%
		783	/	230	/
		77	9.83	17	7.39
		73	9.32	1	0.43
		254	32.44	62	26.96
		209	26.69	12	5.22
		364	46.49	112	48.7
		316	40.36	9	3.91
		14	1.79	23	10
		11	1.4	1	0.43
		74	9.45	16	6.96
		190	24.27	15	6.52
		446	56.96	45	19.57
		110	14.05	130	56.52
		37	4.73	40	17.39
	35	147	18.77	91	39.57
	36-45	354	45.21	94	40.87
	46-55	237	30.27	33	14.35
	56	45	5.75	12	5.22

3.

50	47		

4.	18.95:1			
5.		11,558.04		
6.		1,141.08		
7.	86.4			
8.	695,775			
9.		13.47		1.67
10.		2,636.8		
11.				
	4,045.79			
12.				
	398			
13.				
	443.04			
14.		1,520		
15.			83%	
16.			8.76%	
17.		95.64%		
18.		94.53%		
19.		90.51%		
20.		88.03%		
21.				1,500
	1,193			
	92.94%			
22.				
		2017		
		2017	95.0%	
	37.5%			