

2012

2012

1
1
2
2
3
5
5
10
12
13
15
15
18
20
24
25
25
25
26
26
26
26
27
27
31
31

36

36

36

37

37

38

38

39

1949

211

21

11

71

6

11

24

93

11

1

12

3

13

130

7

15

1

11

1

4

3

19

1

2

7

2

4

40

1

2

3

2

71

73

4

3

2012

2012

4

7

2

8 2011

2011

*

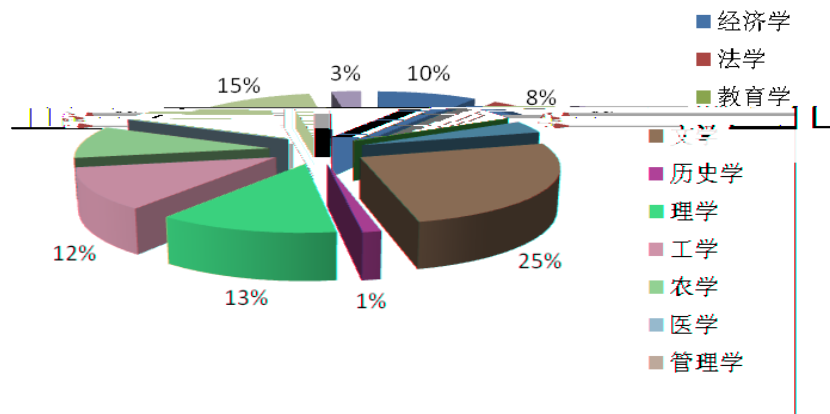
1

20,941

15,814

75.52%

*



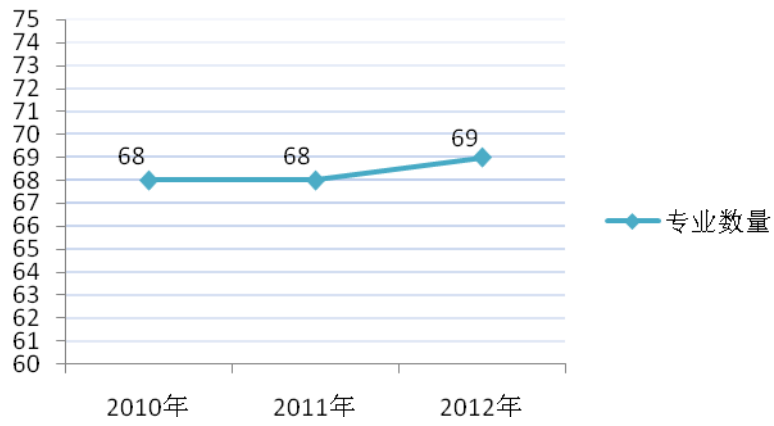
2-1 2012

2

1

2012 29

69



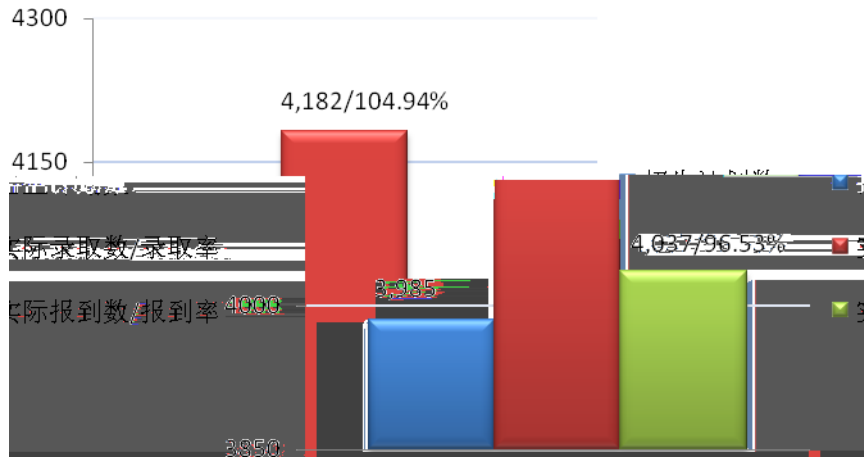
2-2 2010 2012

2

2012

3,985

4,182



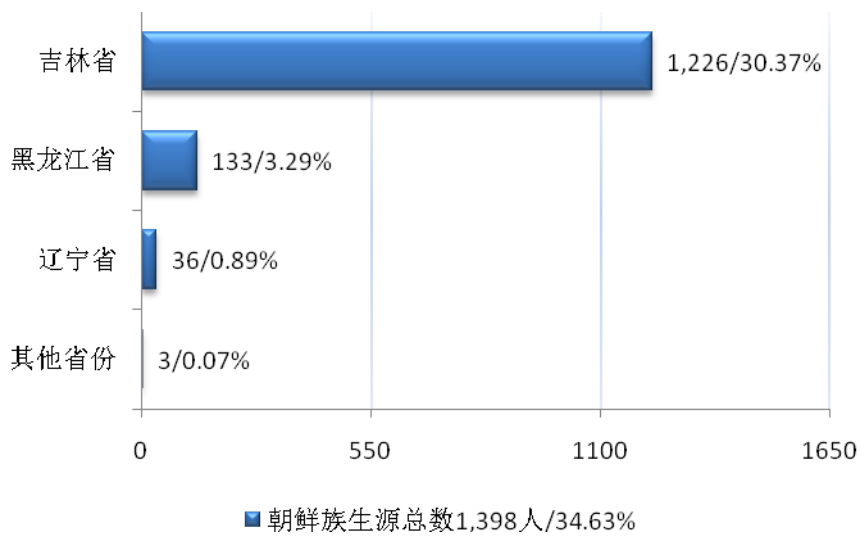
2-3 2012

3

2012

1,398

34.63%



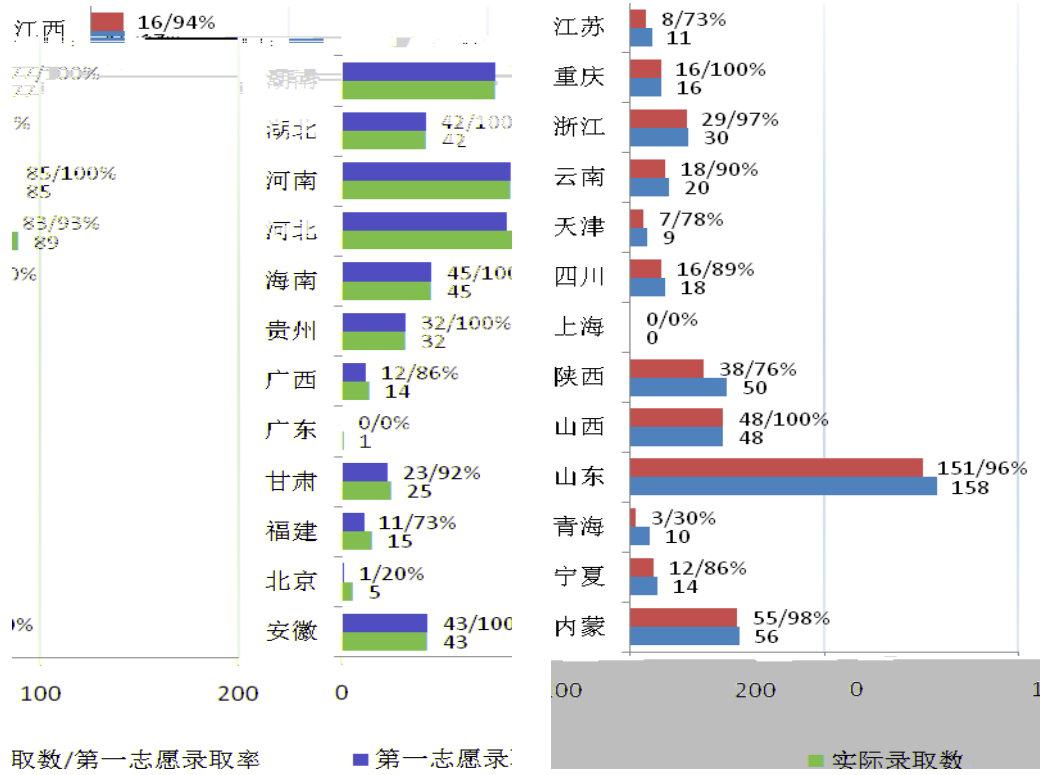
2-4 2012

4

100%

100%

90%

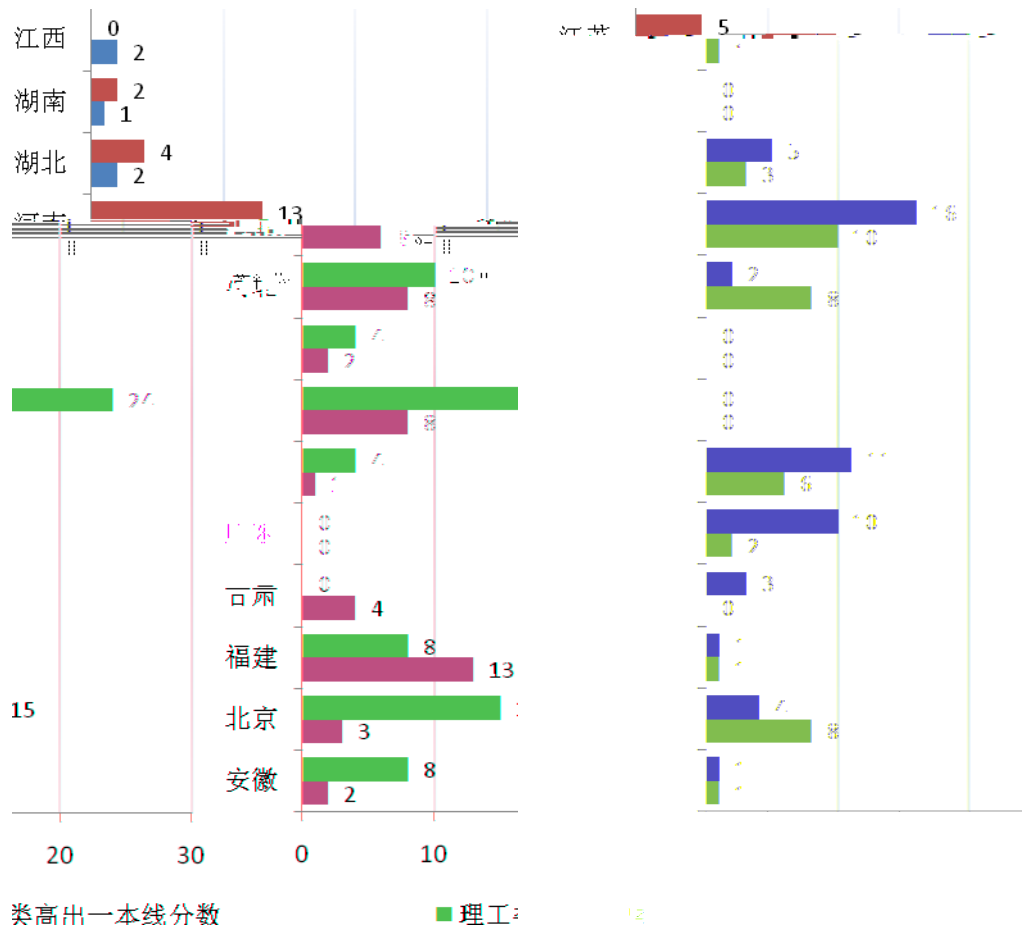


2-5 2012

5

13-24

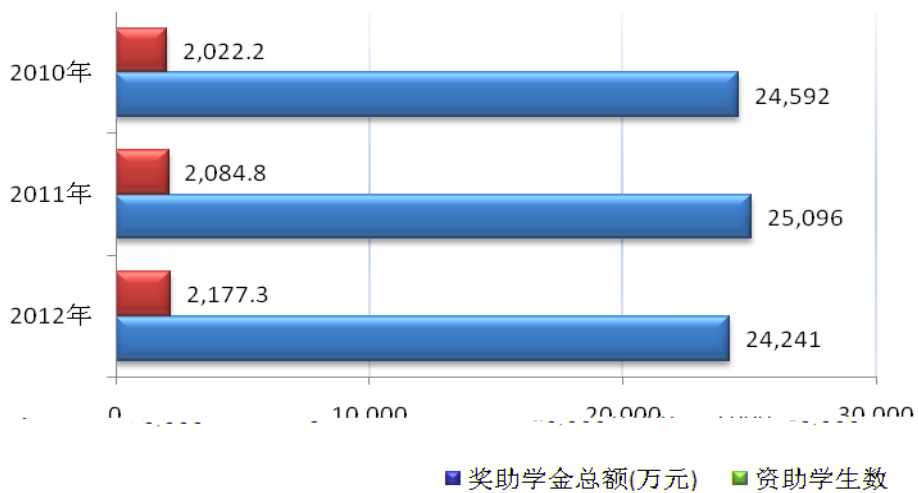
8-13



2-6 2012

3

2012 24,241 39 2,177.3

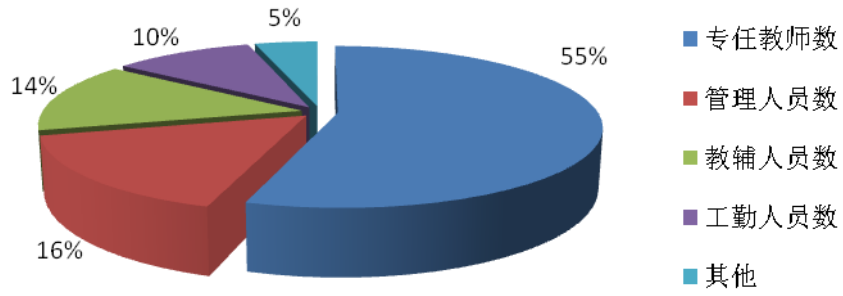


2-7

2,739 1,505

16.2:1 80.60%

1



2-8 2012

2

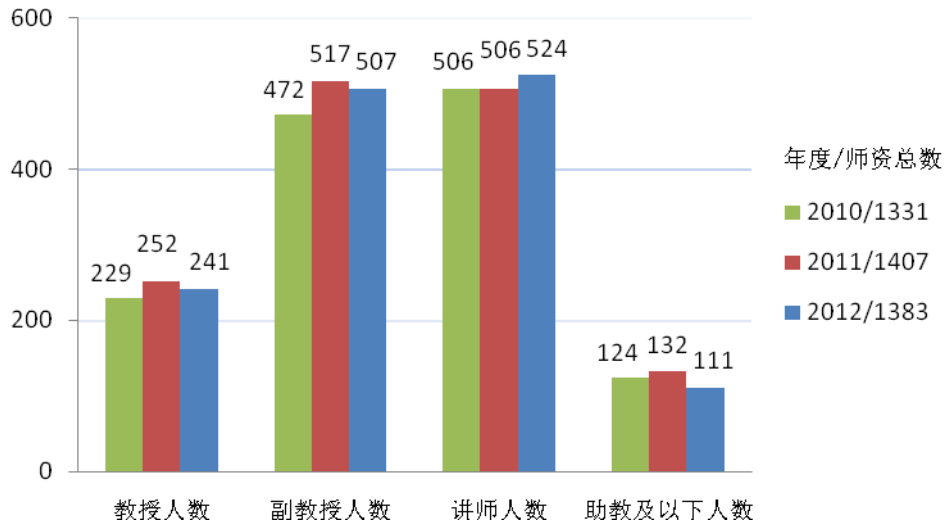
2-1 2012

2012	26,216	1,615	1,505	219	16.2:1

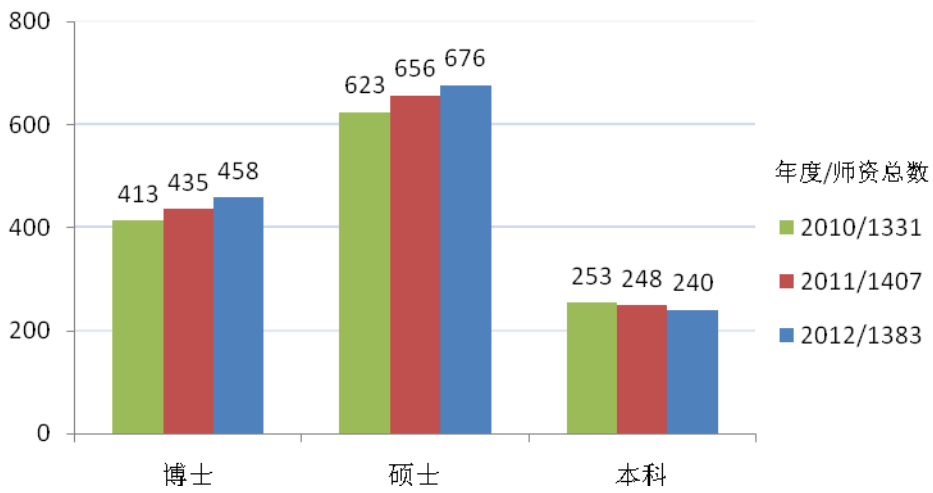
3

2011 2011 3.9%

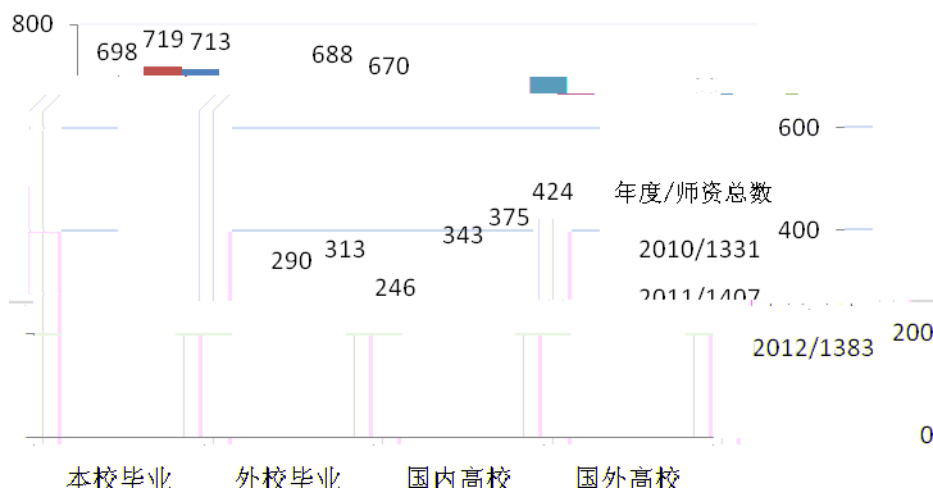
2011 2011 13.1%



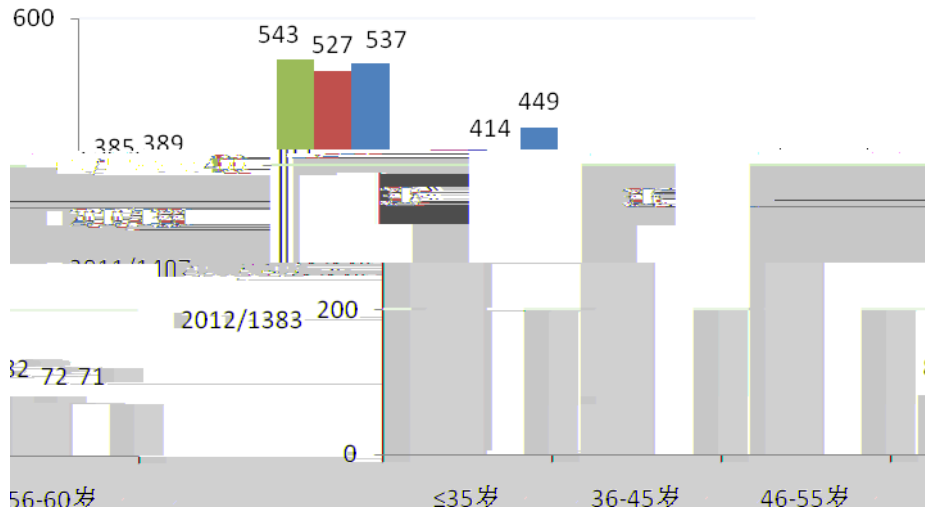
2-9



2-10



2-11



2-12

4

2012

91.2%

2011

1.2%

2-2

	579,838	27.6	---
	2,477,445	118.3	---
	162,484	7.7	---
	348,413	16.6	---
	39,214	1.9	---
	25,774	1.2	---
	1,623,193	77.5	---
	2,686,054	128.3	---
()	6,073	---	29.0
	18,852	---	90.0
)	2,131	---	---

2

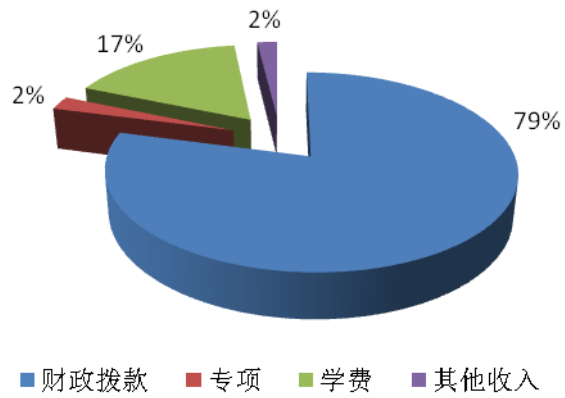
2-3

39	19	328

1

2012

88,137



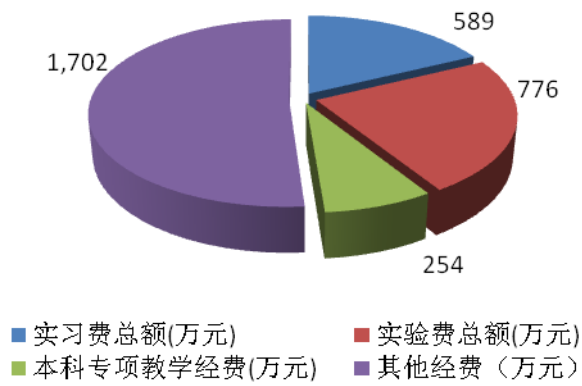
2-14

2

2012

3,321

49%



2-15

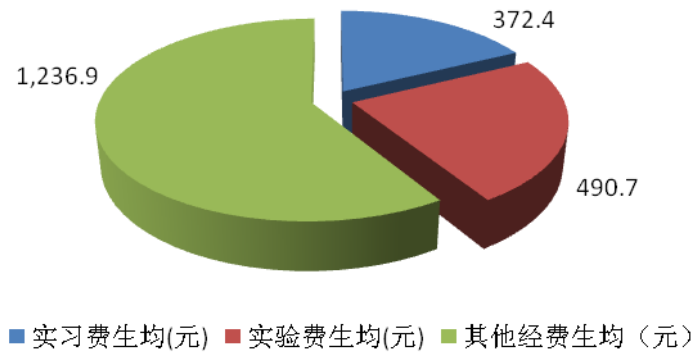
3

2012

2,100

490.7

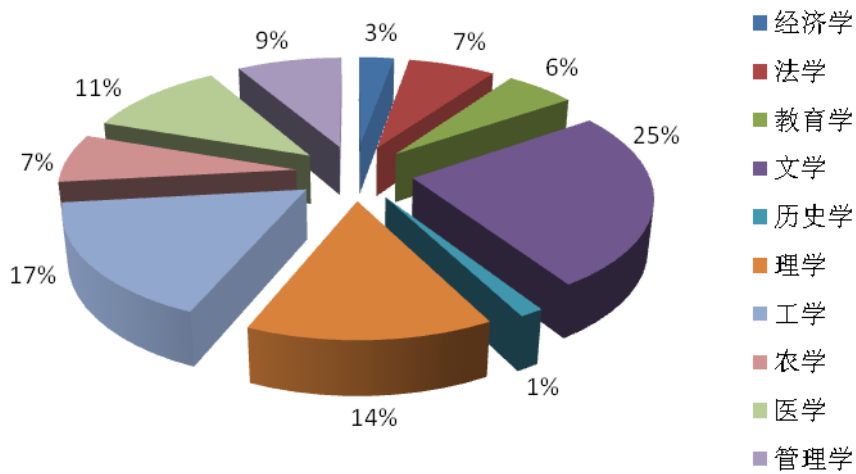
372.4



2-16

1

*



3-1

* 2012

3-1 2012

2

7

15

3-2

1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		

1

3-3

		31	600	28	536	31	600
		12	192	10	160	8	128
		56	896	64	1,024	77	1,232
		36	576	35	560	34	544
		10	160	18	288	20	320
		6		6		6	
		145	2,424	155	2,568	170	2,824

1

2:1

6

2

15%

25%

2

3

19

3-4

1	-	
2	()	
3		
4		
5		
6		
7		

8		
9		
10		
11	()	
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		

3

2012

8

6

3-5 2012

1			1		
2			2		
3			3		
4			4		
5			5		
6			6		
7					
8					

4

2012

66

3-6 2012

1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13	3 4	
14		
15	GIS	

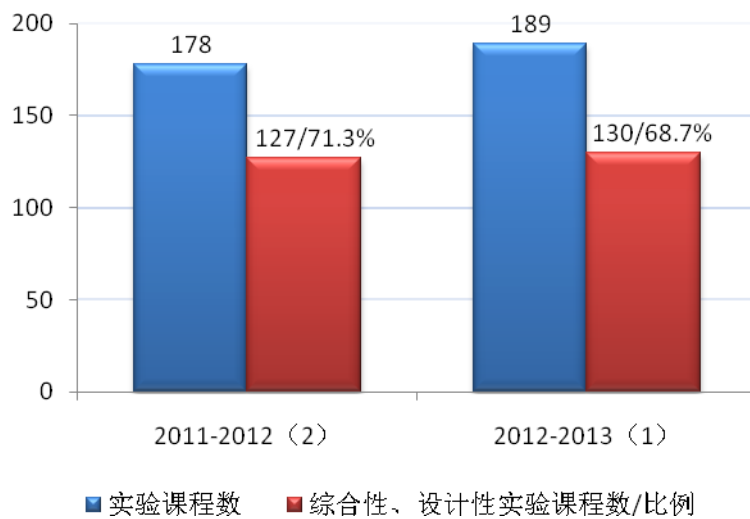
1

2012

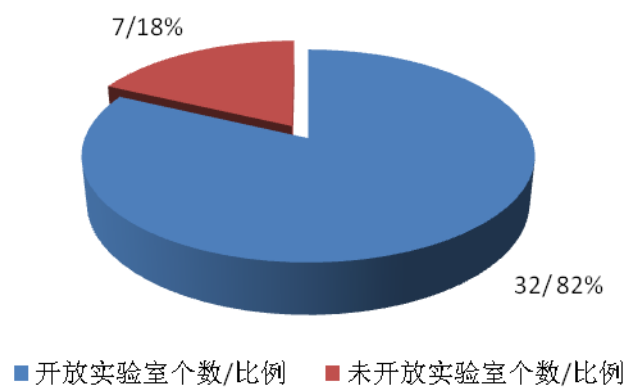
347

+ +

+



3-2



3-3

2

6

1

2012

316

1,154

40

3-7

1	N-	
2		
3		
4	(TiO ₂)	
5		
6		
7		
8		
9		
10		
11		
12		
14	-	

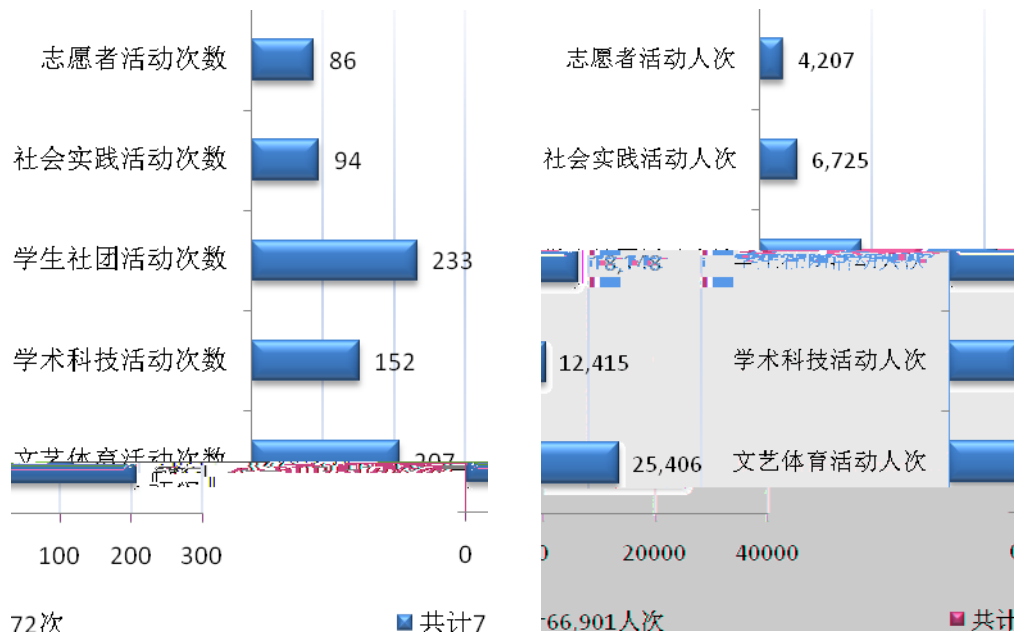
19		
20		
21		
22		
23		
24	F-MAP	
25		
26		
27	SRAP	
28		
29		
30		
31		
32		
33		
34	PDCA	
35		
36		
37		
38		
39		
40		

2

2012

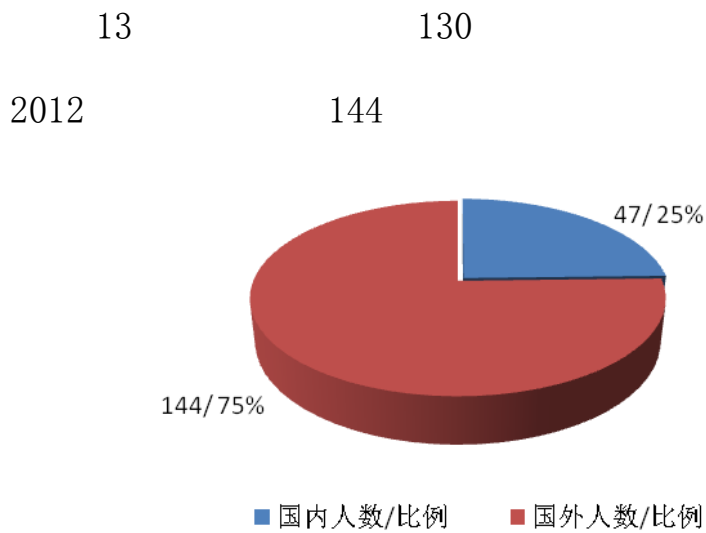
772

66,901



3-4

1



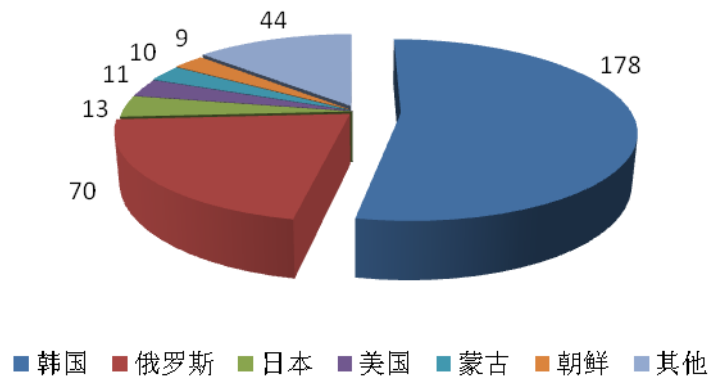
3-5

2

2012

335

29



3-6

2012

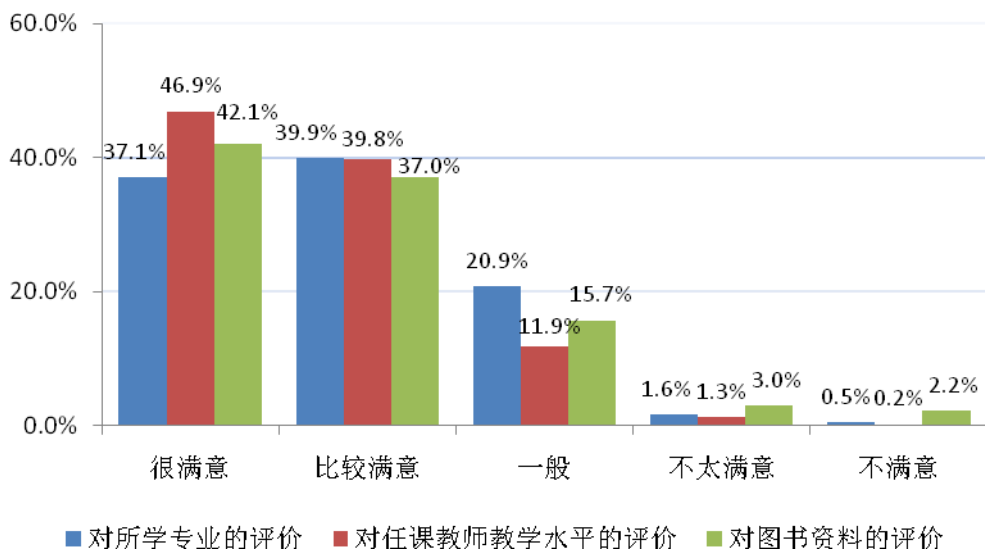
4

19

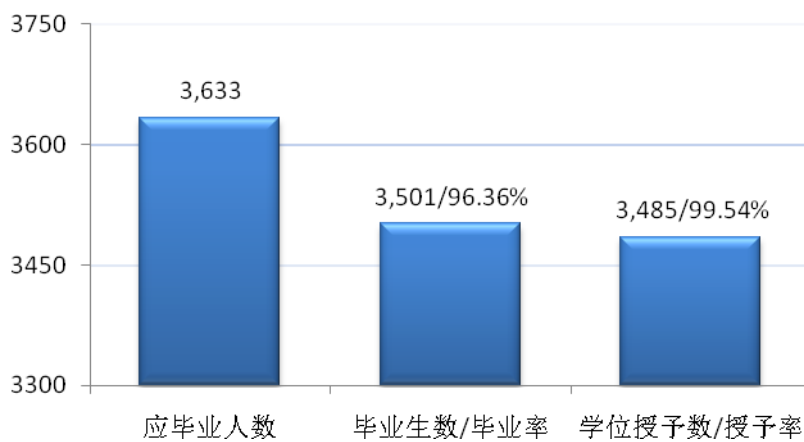
128

2012	929	1,350
	110,505	1,156

		19	69
		2,077	1,920
92.44%	1,904	99.16%	



5-1



5-2 2012

$$= \quad =$$

$$= \quad / \quad = \quad /$$

2012

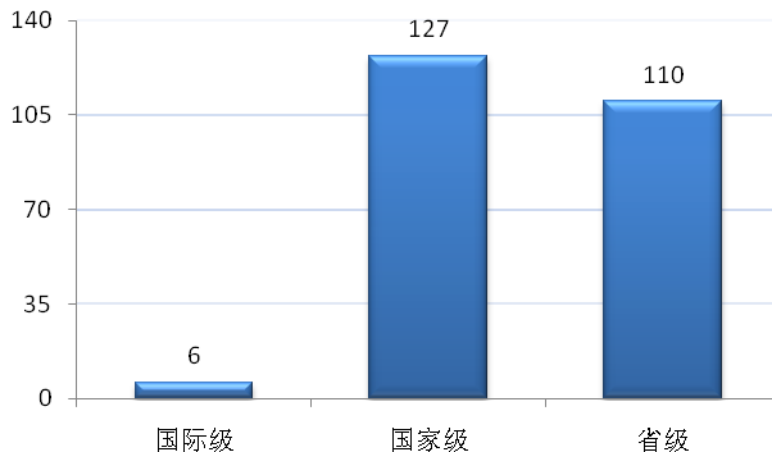
243

6

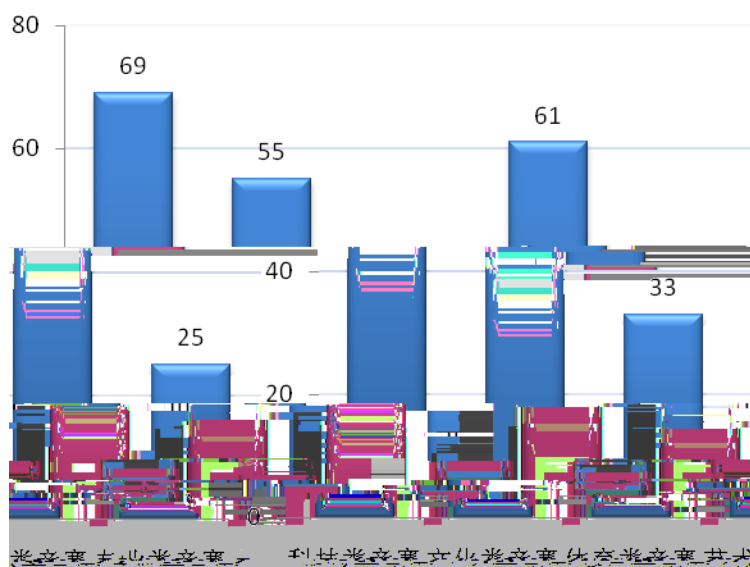
127

110

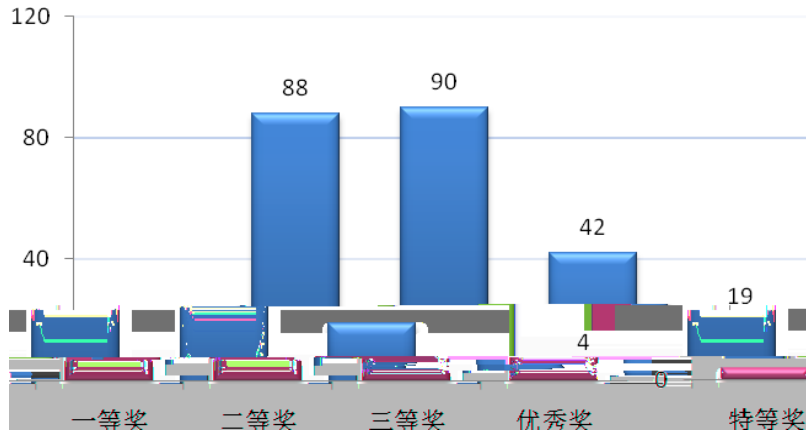
4



5-3 2012



5-4 2012



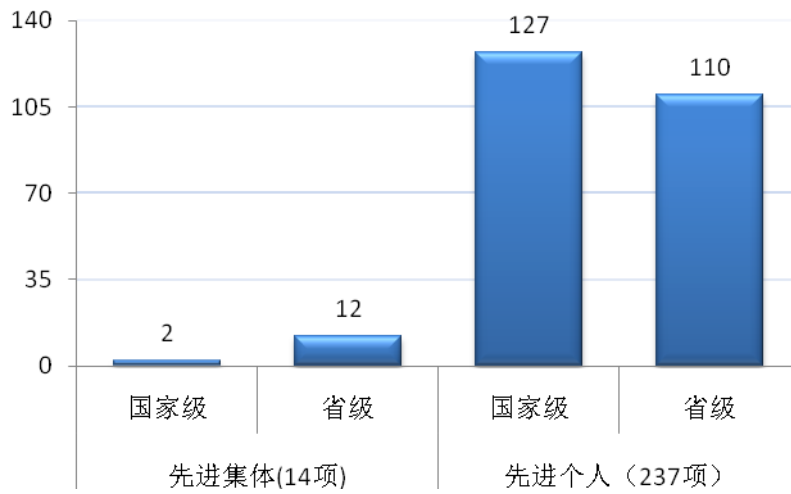
5-5 2012

2

2012

14

237

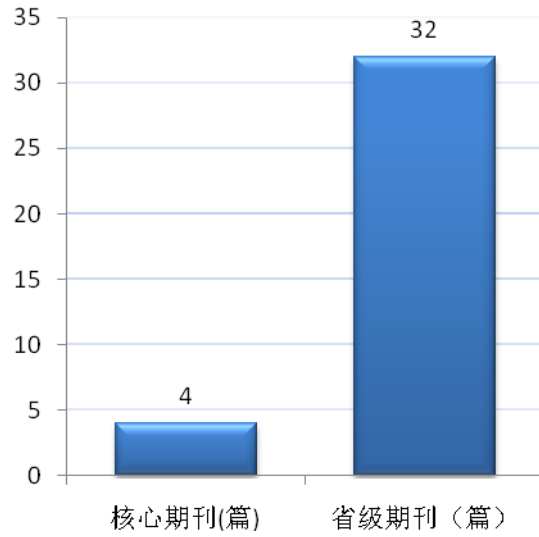


5-6 2012

3

2012

36



5-7 2012

4

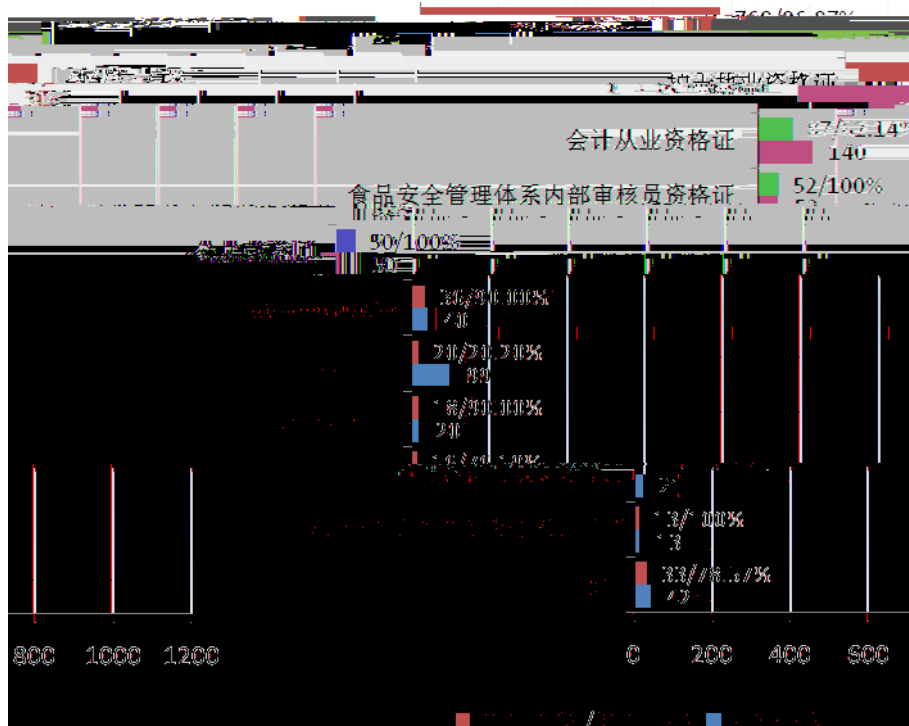
2012

23

1,578

1,358

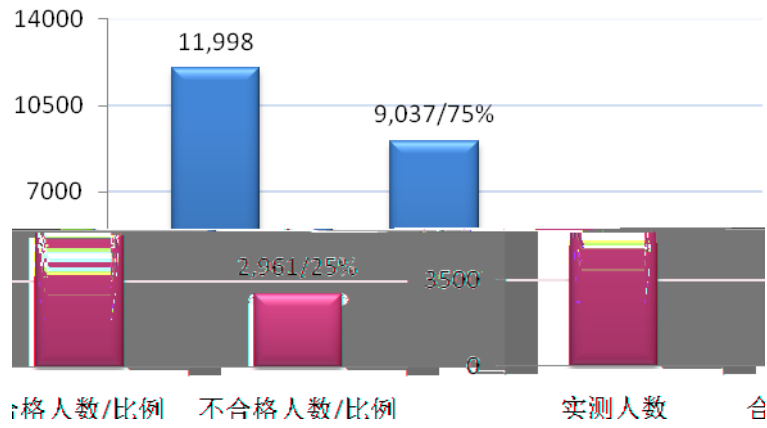
86.1%



5-8

2012

75%



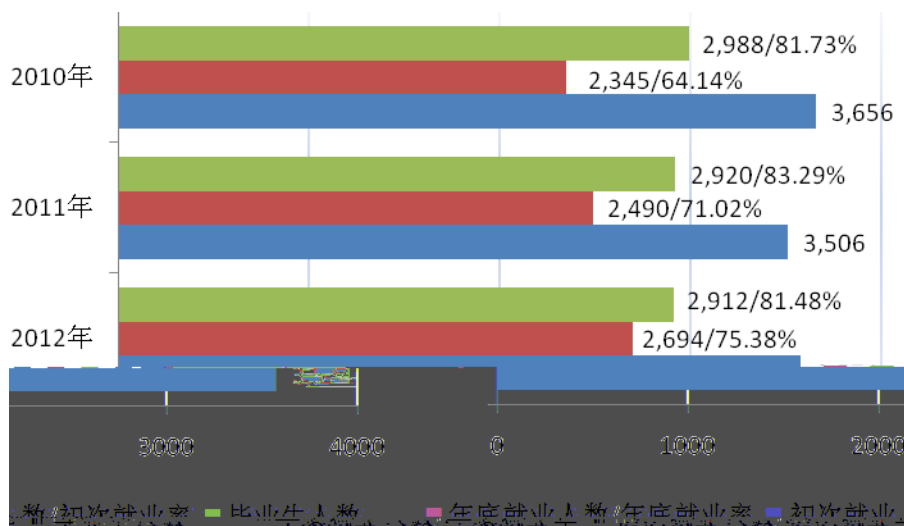
5-9

1

2012

75.38%

81.48%

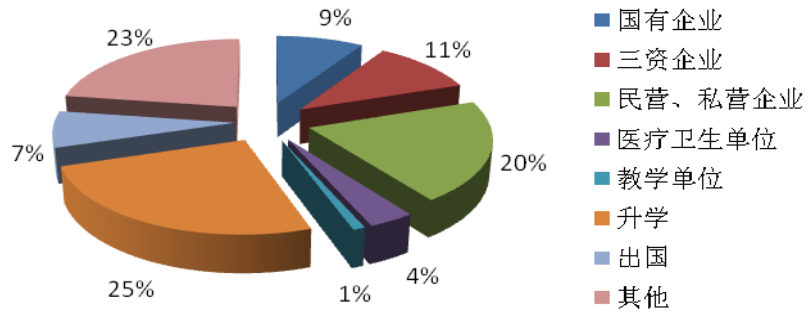


5-10 2010-2012

7

12

2

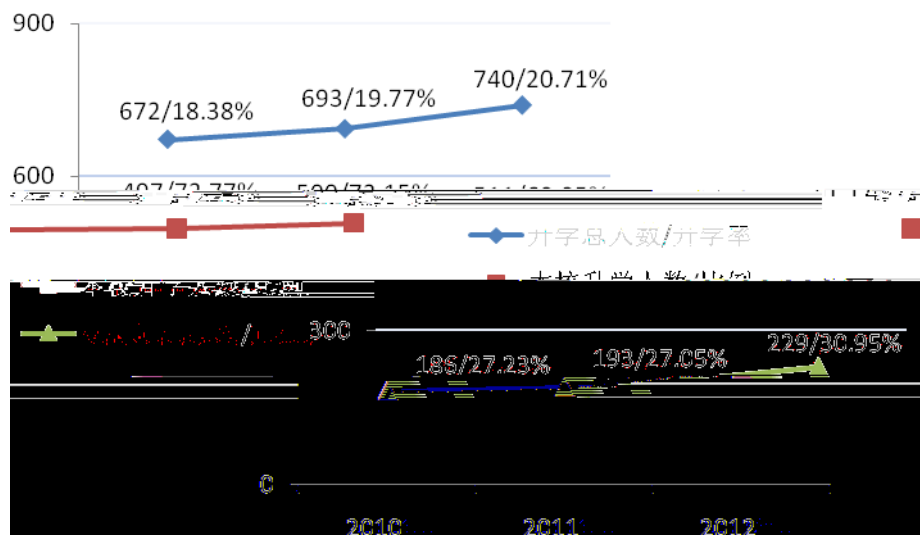


5-11 2012

3

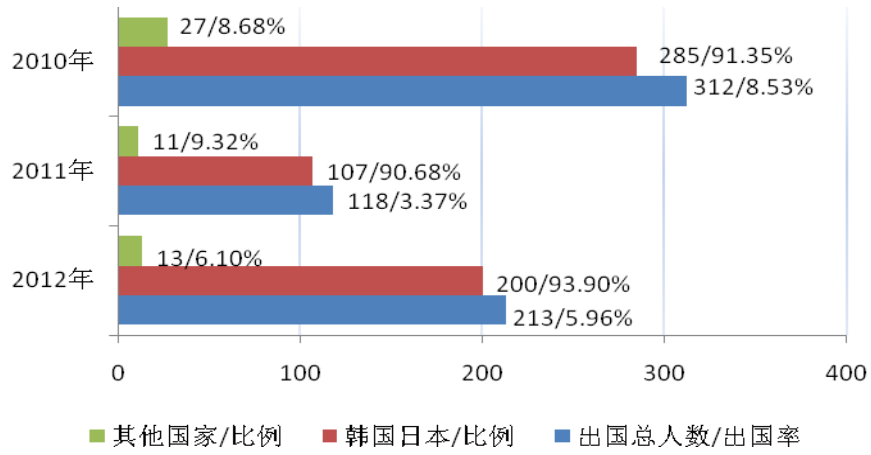
2012

2011 3.90%



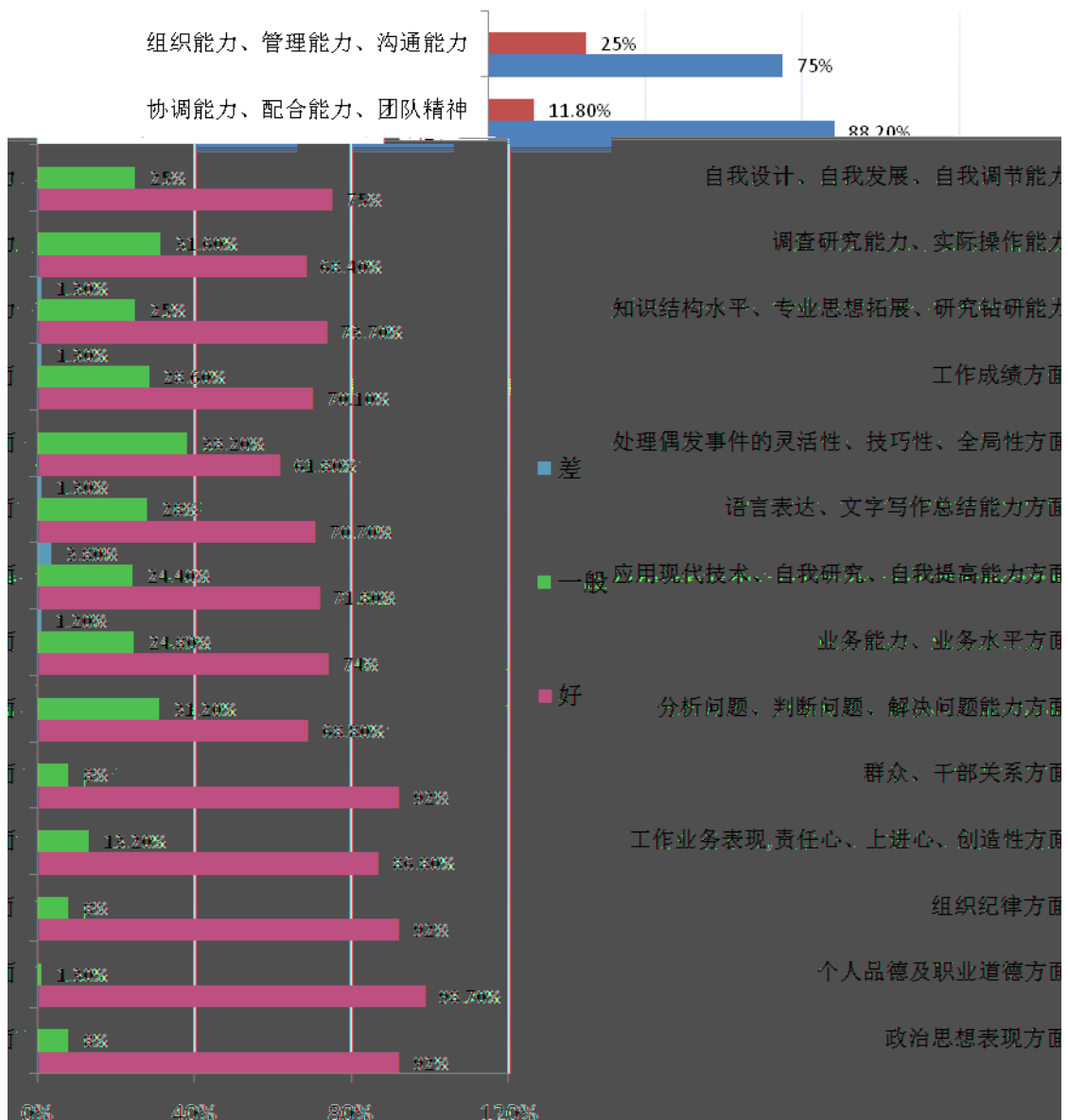
5-12 2010-2012

4



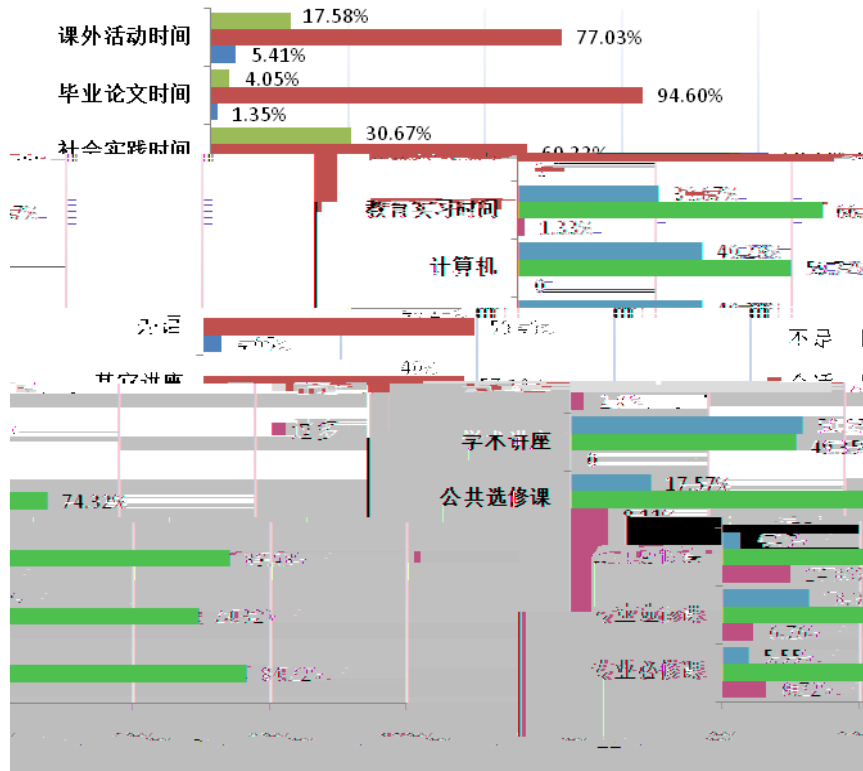
5-13 2010-2012

5

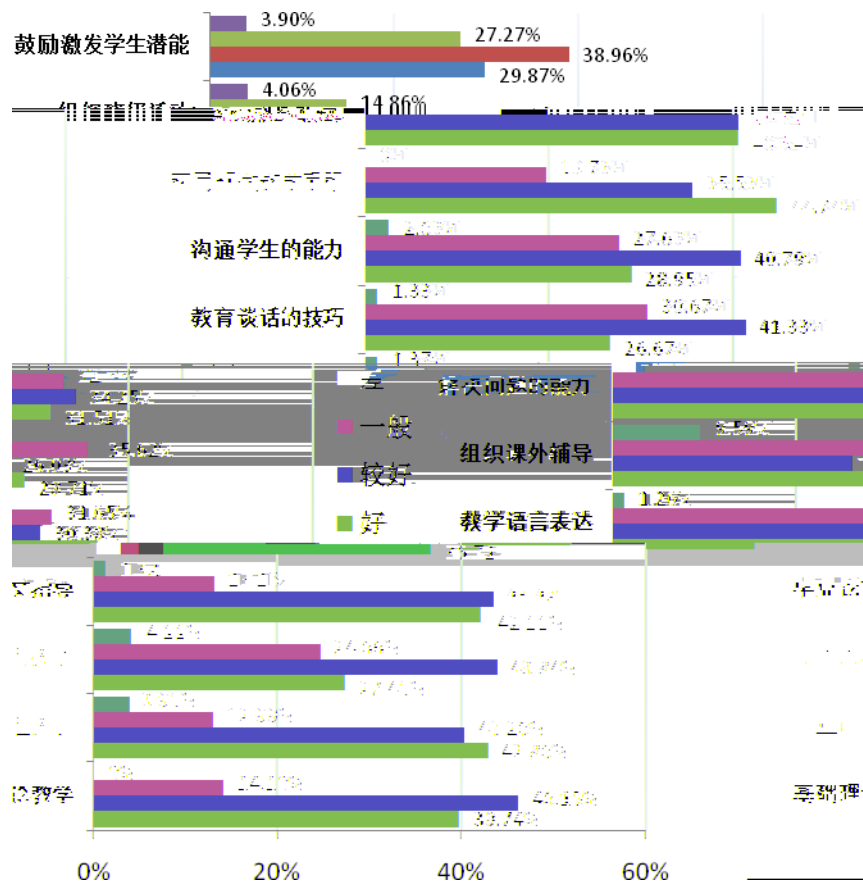


5-15

2



5-16



5-17

3 + 1 2 + 2

2012

144

47
15
7
69.10%

306
72
234
54
80%

1

2012

49.41%

2

2012

2012

84

20

57

3

2012

1

