



Industry/University
Cooperative Research
Centers

Highlights of Process/Outcome Data

FY 2011-2012

(Excluding New Economic Impact Variables)

IUCRC Evaluator's Meeting

June 7, 2013

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Overview

- Not much to report other than updated benchmarks
 - Response rate
 - Industry Findings
 - Faculty Findings

Process/Outcome

2011-2012 Response Rates

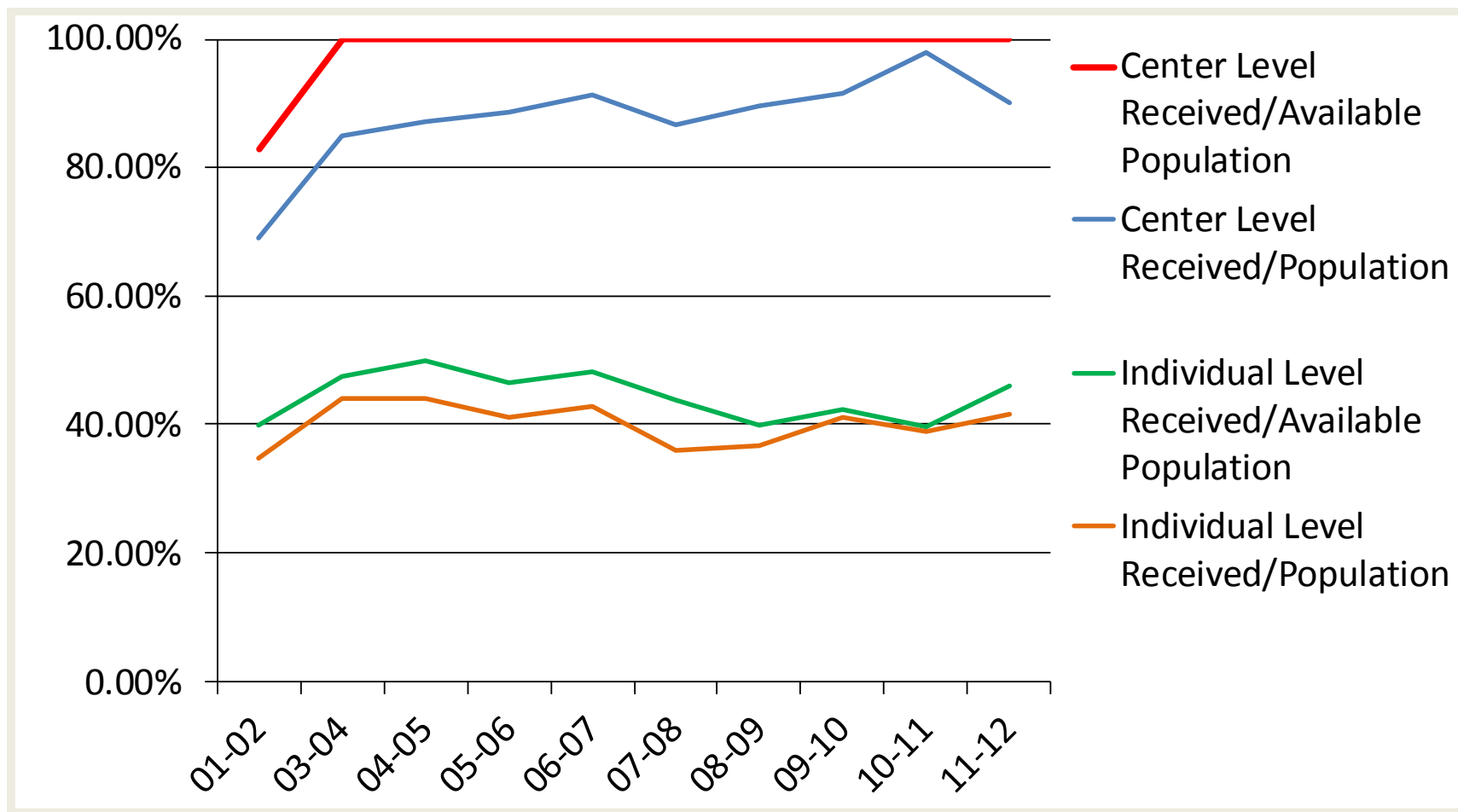


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Category	Center Level		Individual Level	
	Industry	Faculty	Industry	Faculty
<i>Response Frequency</i>				
Continuing Population from CD report	57	57	1093	929
1 st Year Reporting Population from CD report	+0	+0	+0	+0
Retired/Defunct Centers ^a	2	2	21	12
Retired/Defunct Centers Reporting ^b	+0	+0	+0	+0
Phase III Centers Exempt	9	9	213	199
Phase III Centers Reporting ^c	+4	+3	+44	+37
Population ^d	50	49	903	755
Centers Excused from Evaluation ^e	5	7	88	113
Centers that did not return data	0	0	0	0
Available Population	45	42	815	642
Data Received	45	42	375	350
Received / Population	90.00%	85.71%	41.53%	46.36%
Received / Available Population	100%	100%	46.01%	54.52%



Industry Response Rate



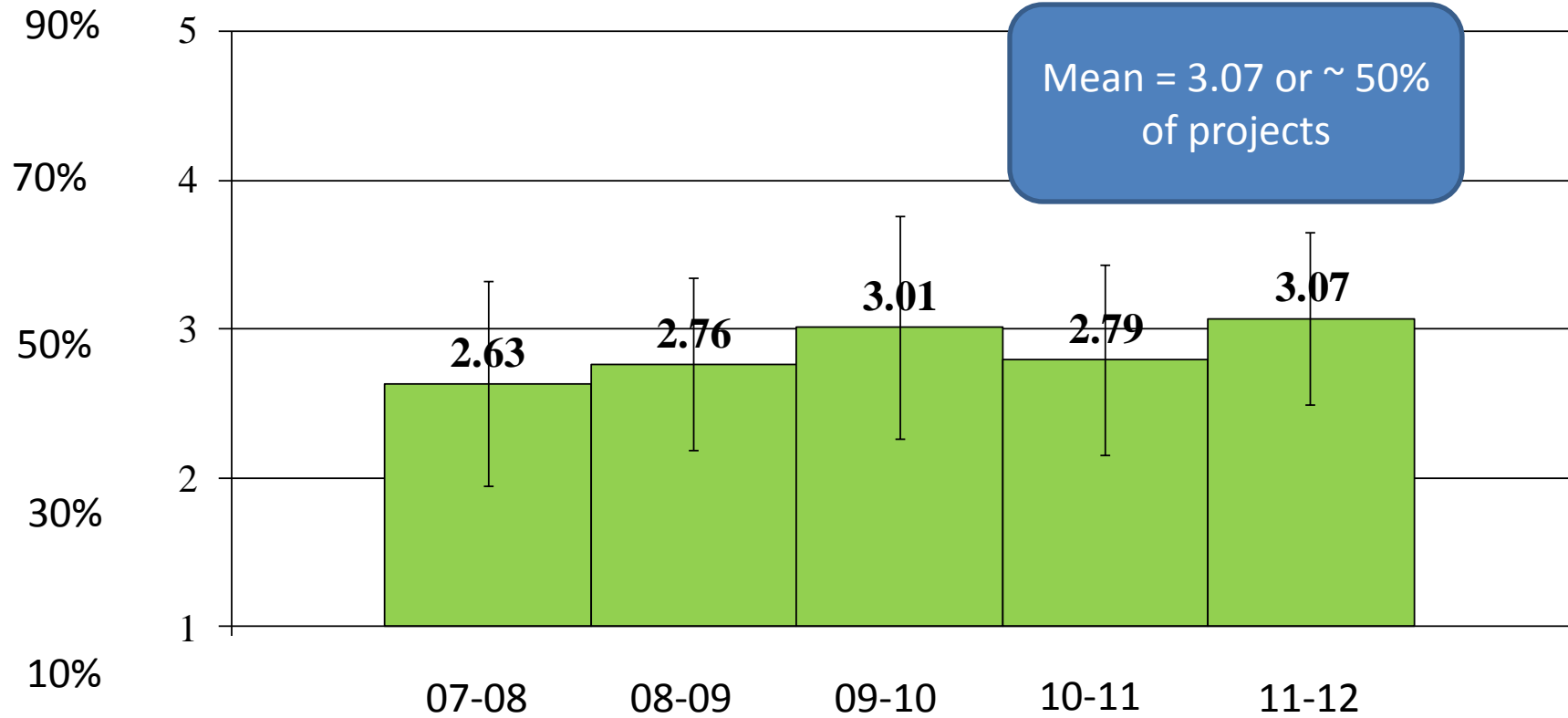


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Industry Questionnaire

Select Results

Q1a: What percentage of the Center's currently funded research projects do you consider relevant to your organization's current or future R&D needs?*

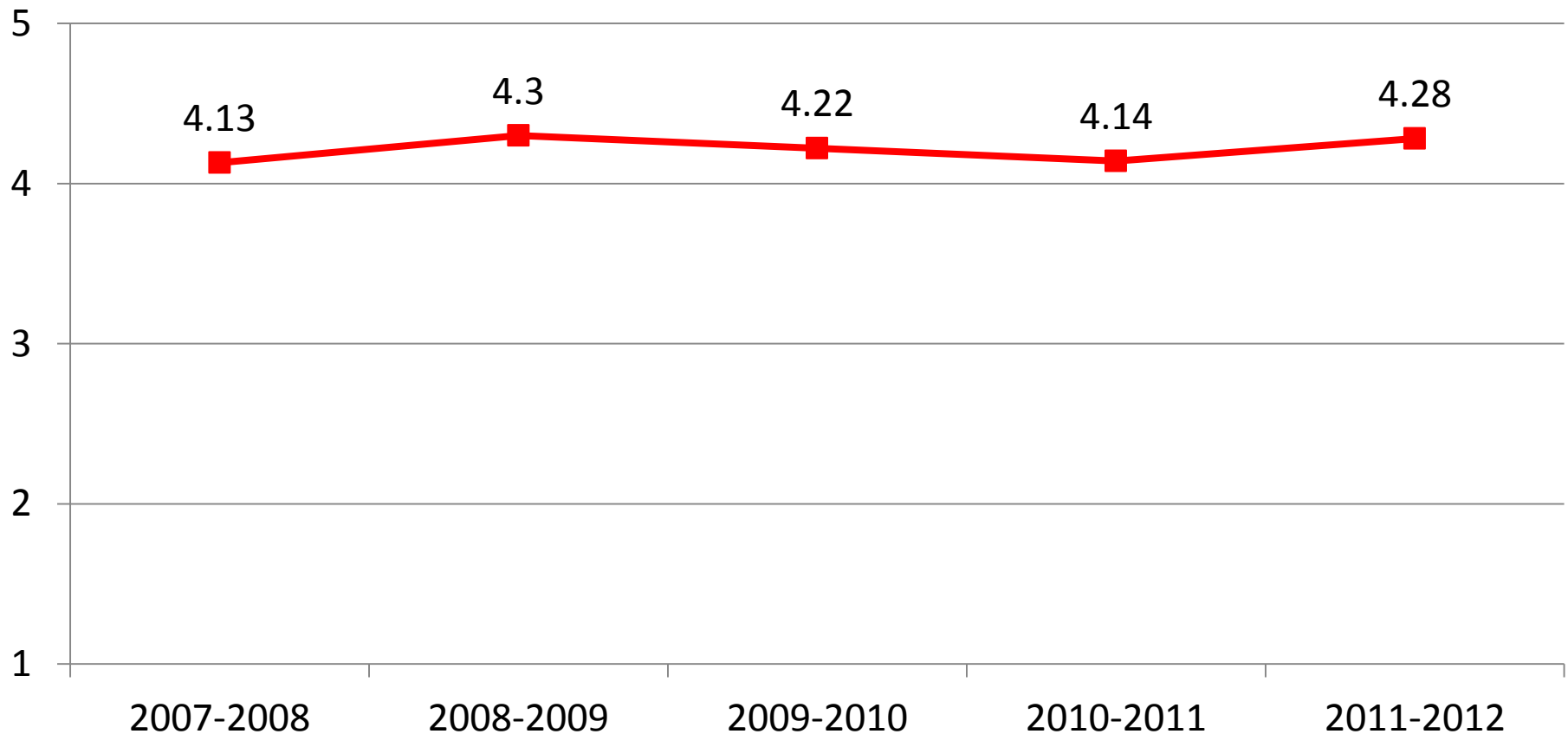


percentage values on y-axis represent midpoint of response range

Q2a (old Q3a): During the past year, how satisfied were you with the capabilities of the researchers and quality of the research program?



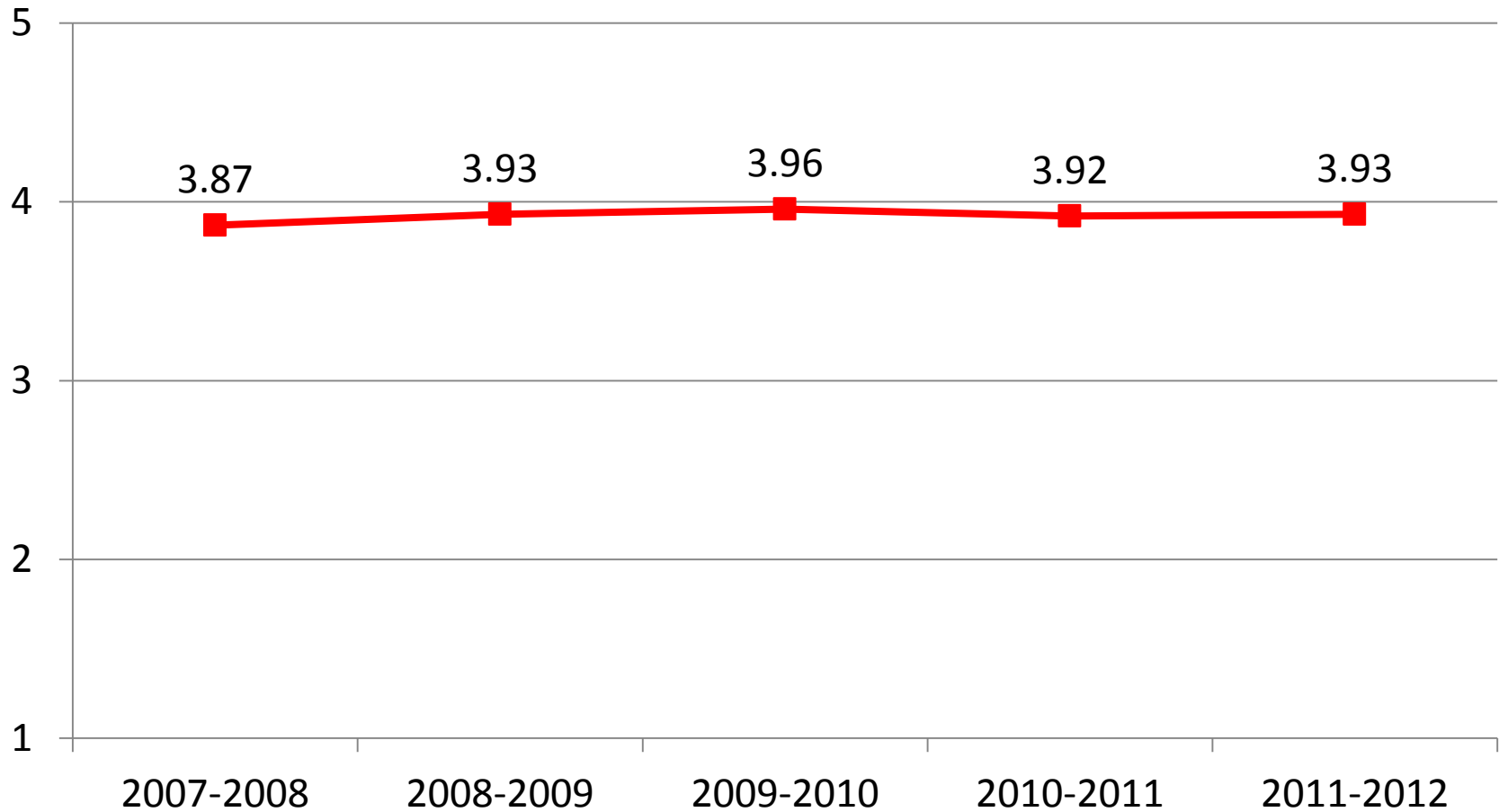
Mean



Q2b (old Q3b): During the past year, how satisfied were you with the Center's breadth of research topics covered?



Mean

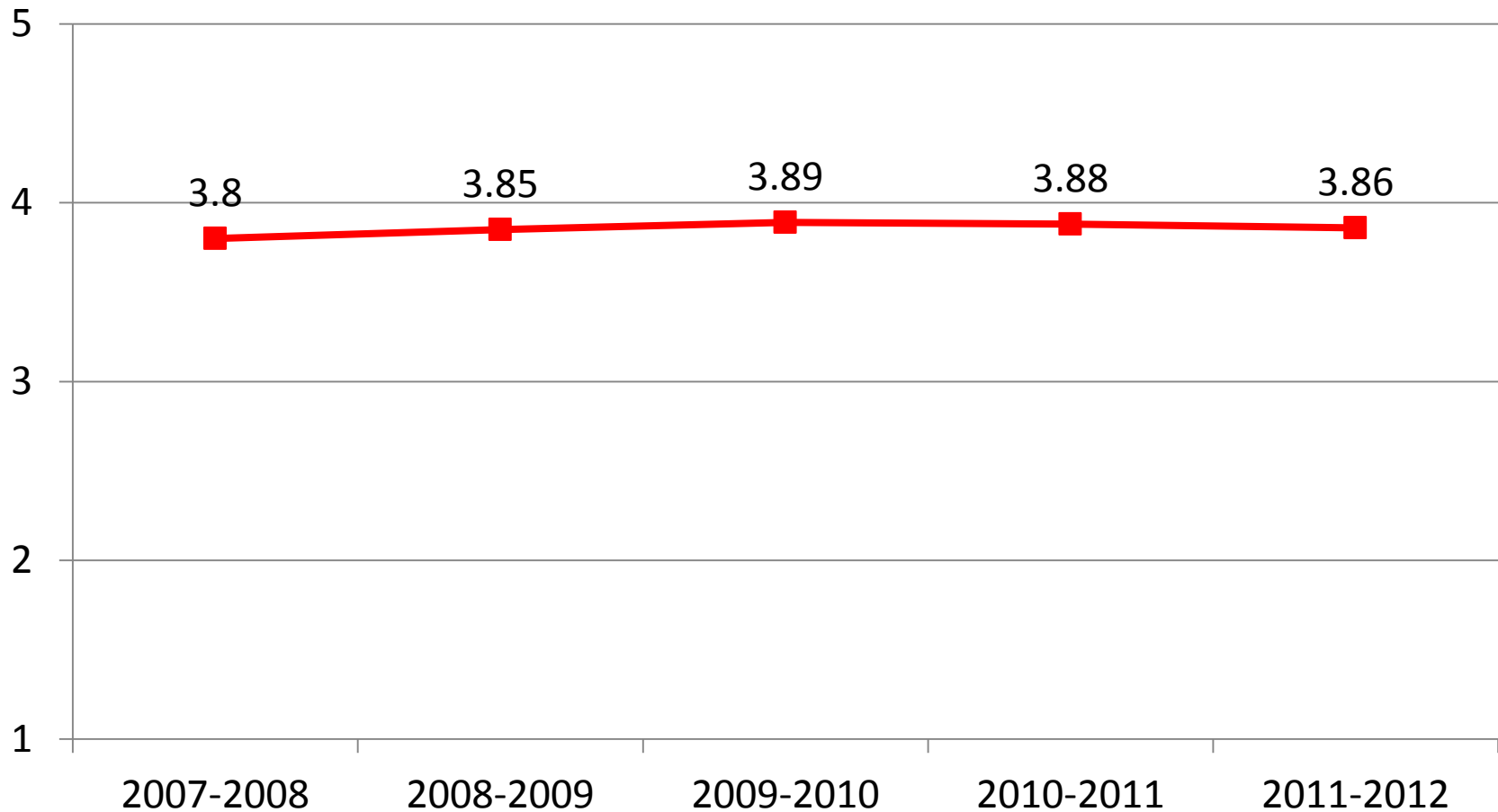


Q2c (old Q3c): During the past year, how satisfied were you with the Center's focus of the research?



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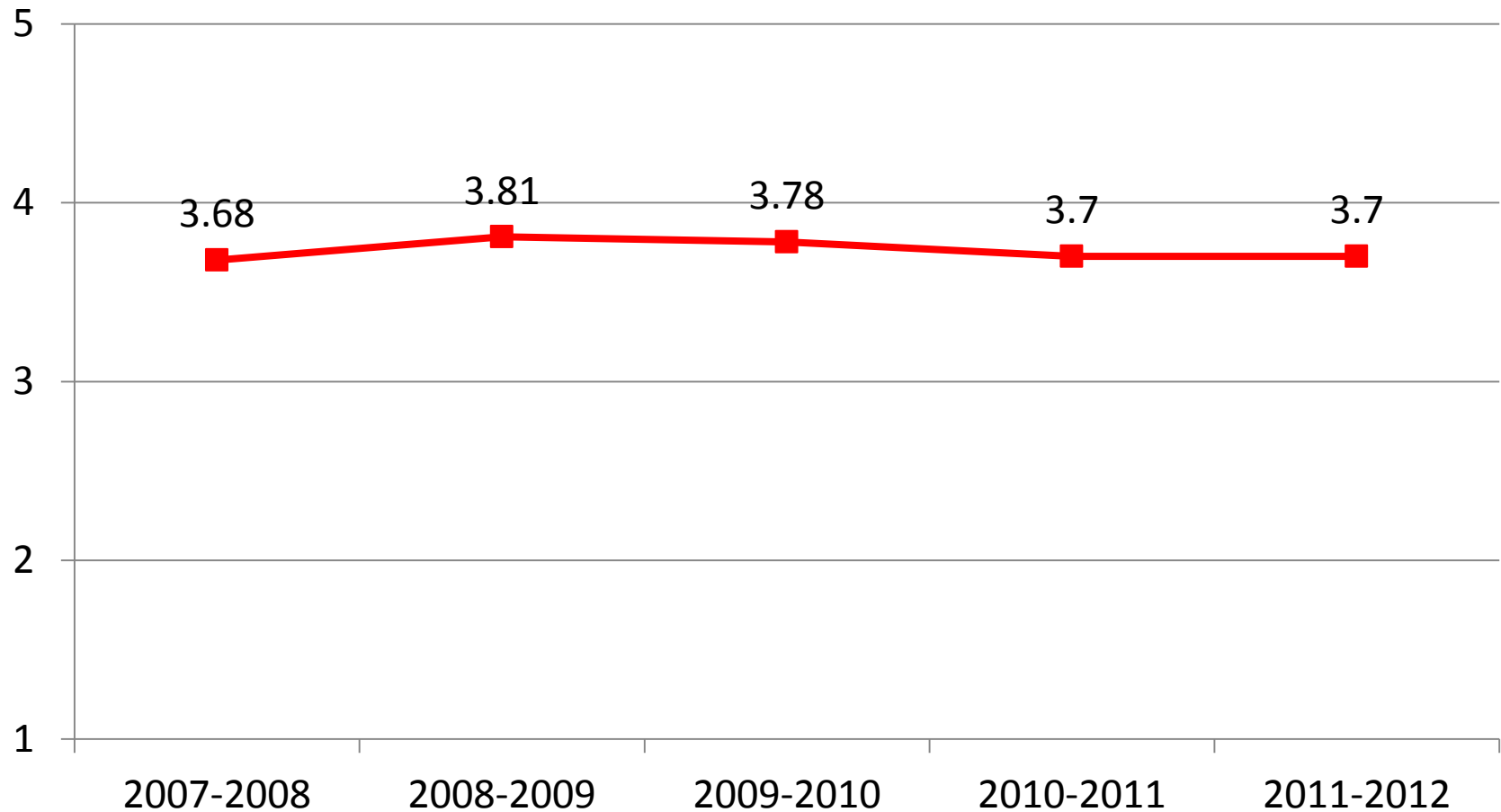
Mean



Q2d (old Q3d): During the past year, how satisfied were you with relevance of the research to my organizations needs?



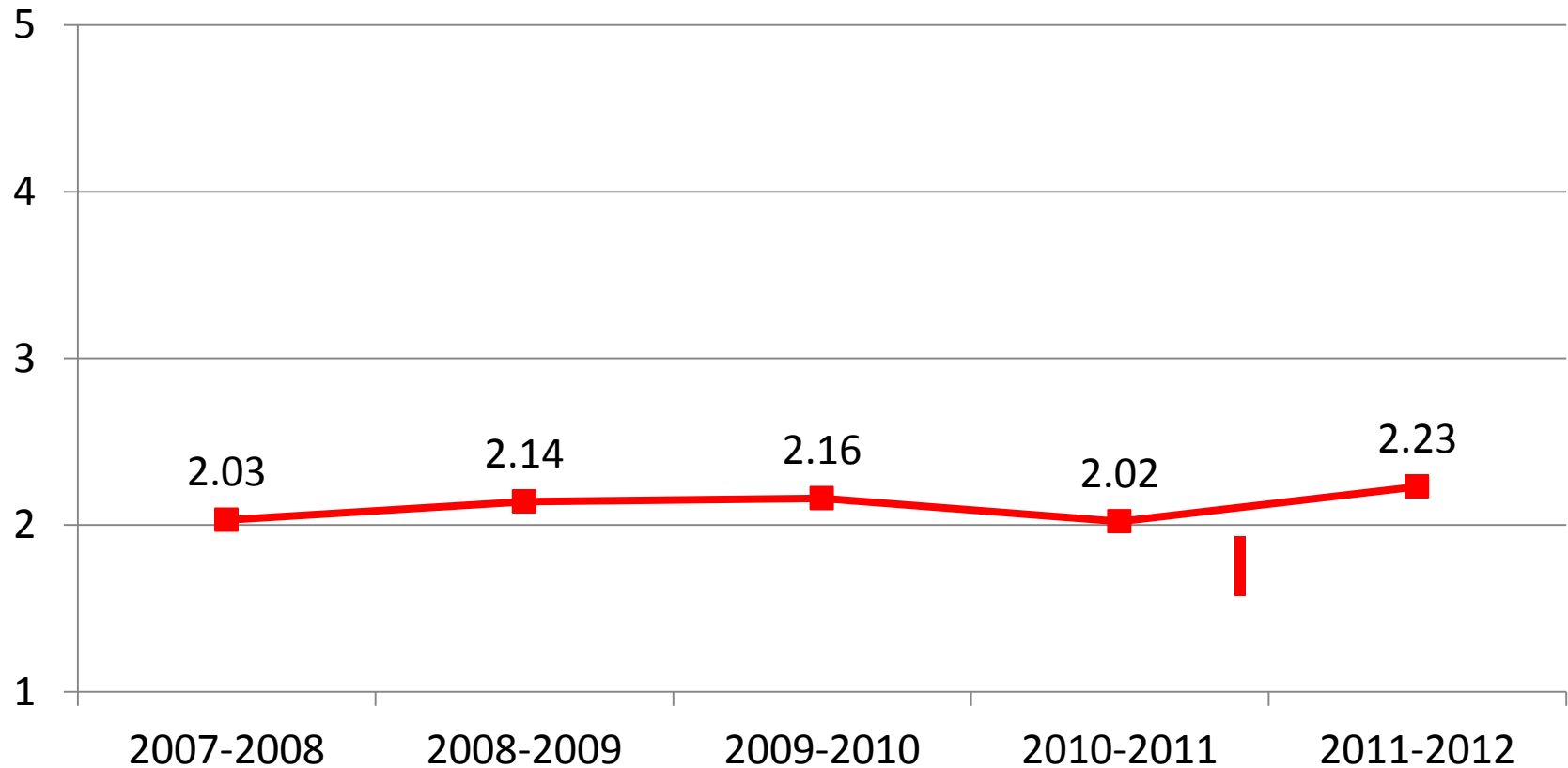
Mean



Q6a (old Q7b): During the past year, to what extent has participation in the Center contributed to the following benefits for your organization?



Commercialization*

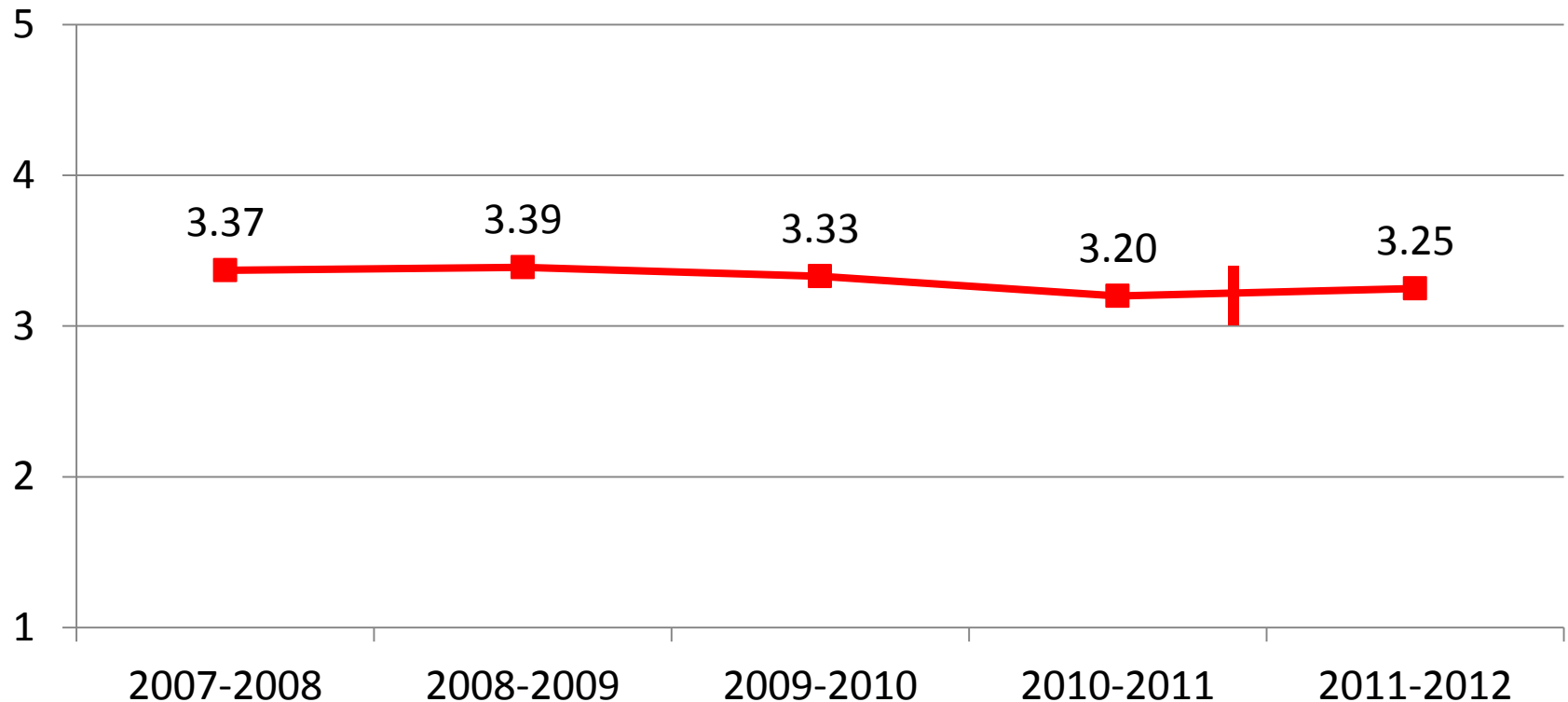


*Question modified to include new technical knowledge and intellectual property resources

Q4a (old Q7c): During the past year, to what extent has participation in the Center contributed to the following benefits for your organization?



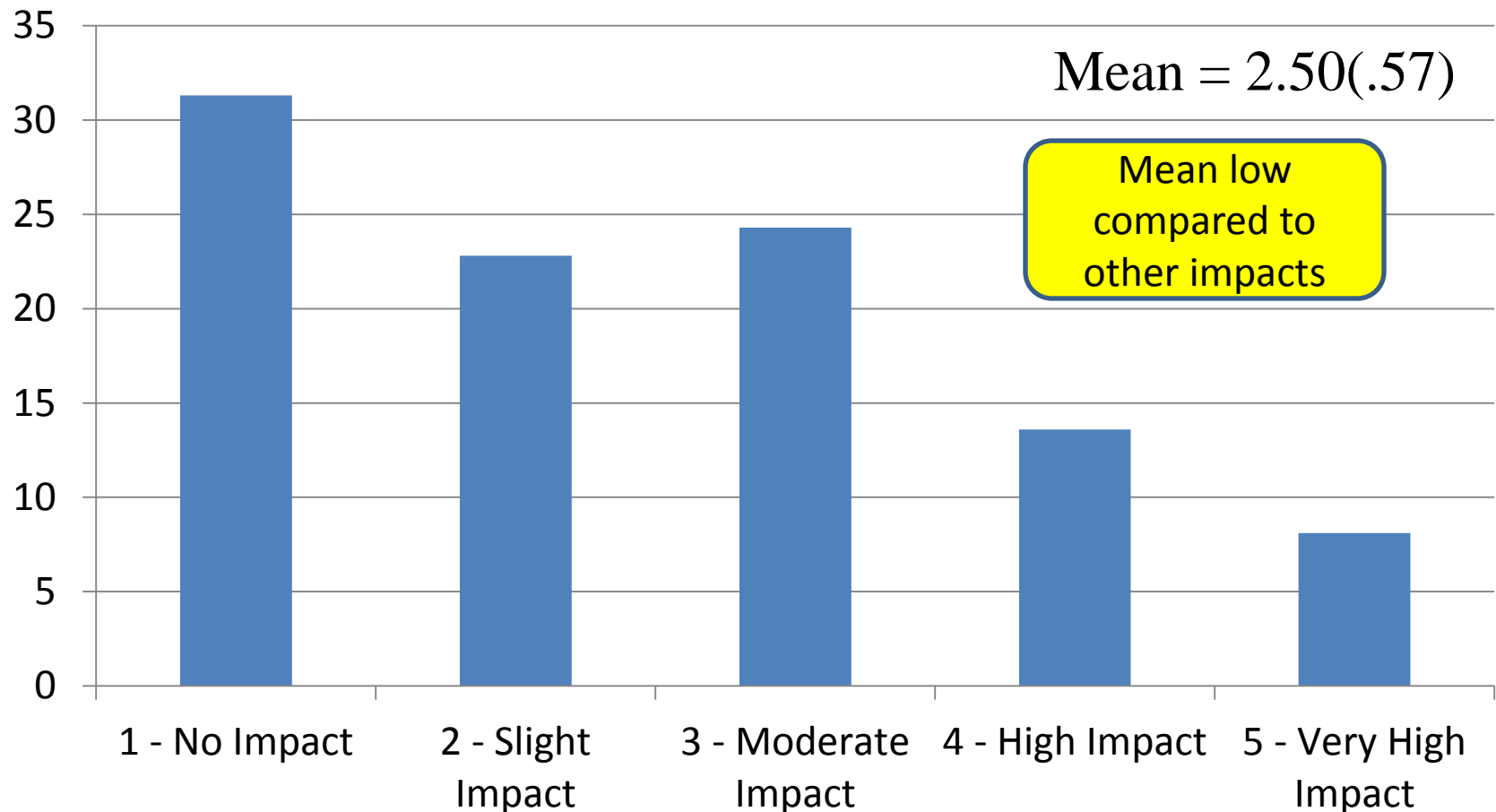
Professional Networking*



*Question changed from “Enhanced via ability to recruit students, increased cooperation with other industrial members and scientists outside my organization” to “Enhanced ability to network and build scientific capability via cooperation with industry and scientists outside the organization.”

Q4b. Enhanced ability to identify and recruit well-qualified graduate students.

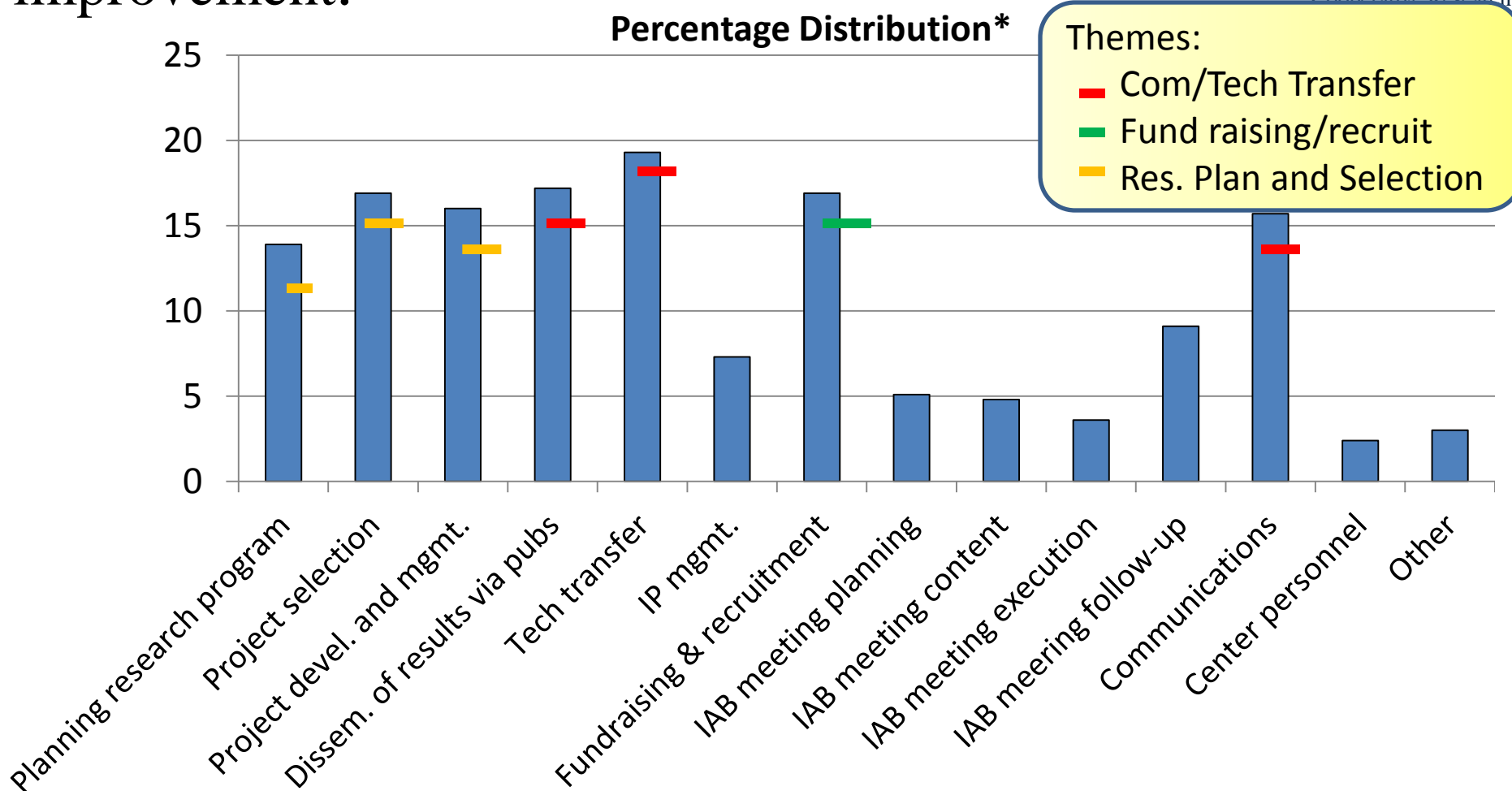
Percentage Distribution



Q8. How can the Center improve its administration and operations? Please mark areas that need improvement.



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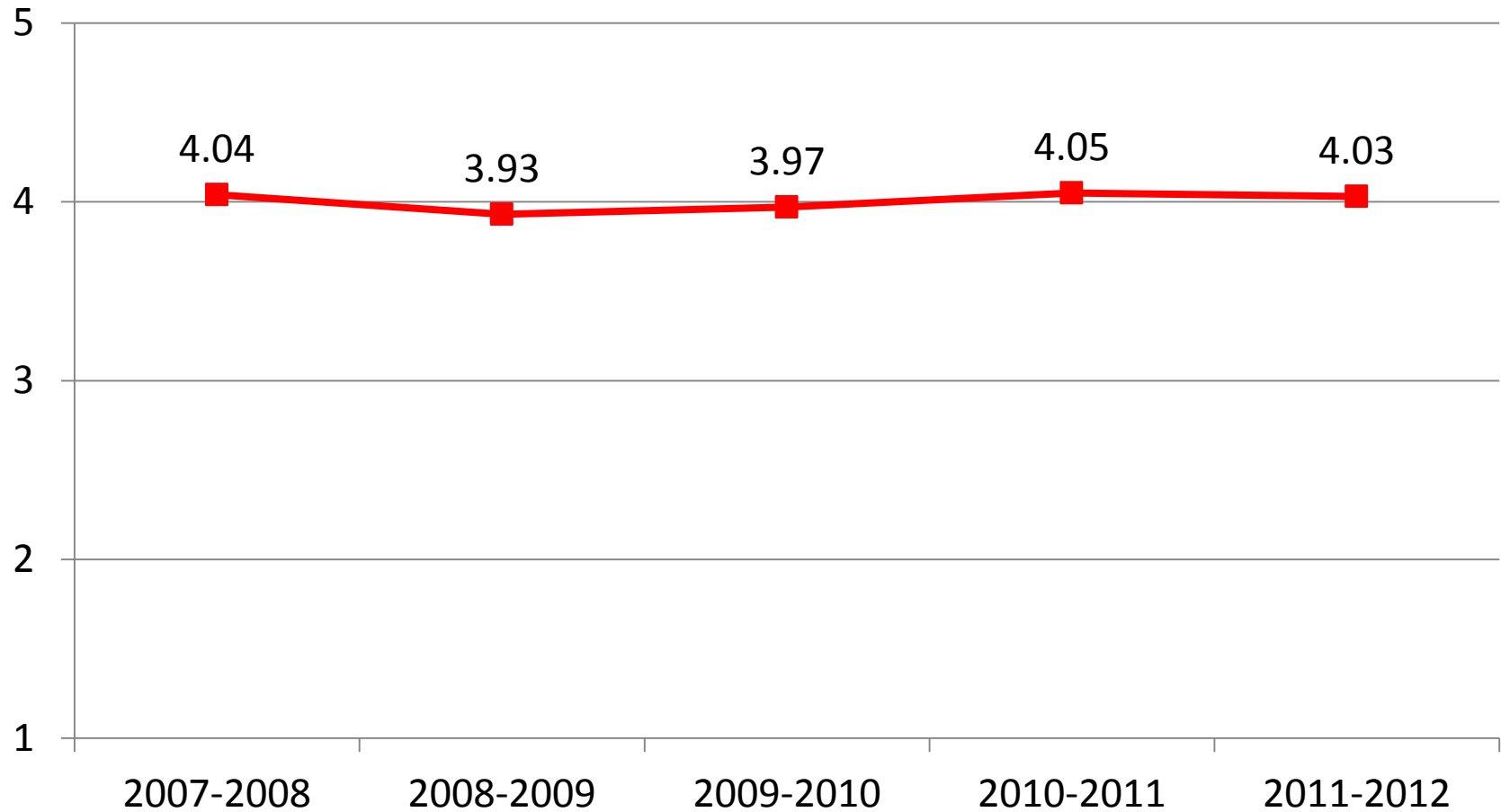


*Respondents were encouraged to check as many boxes as applied. Therefore, the percentage across all items may total to greater than 100%.

Q7 (old Q9): During the past year, how satisfied were you with center administrative operations?



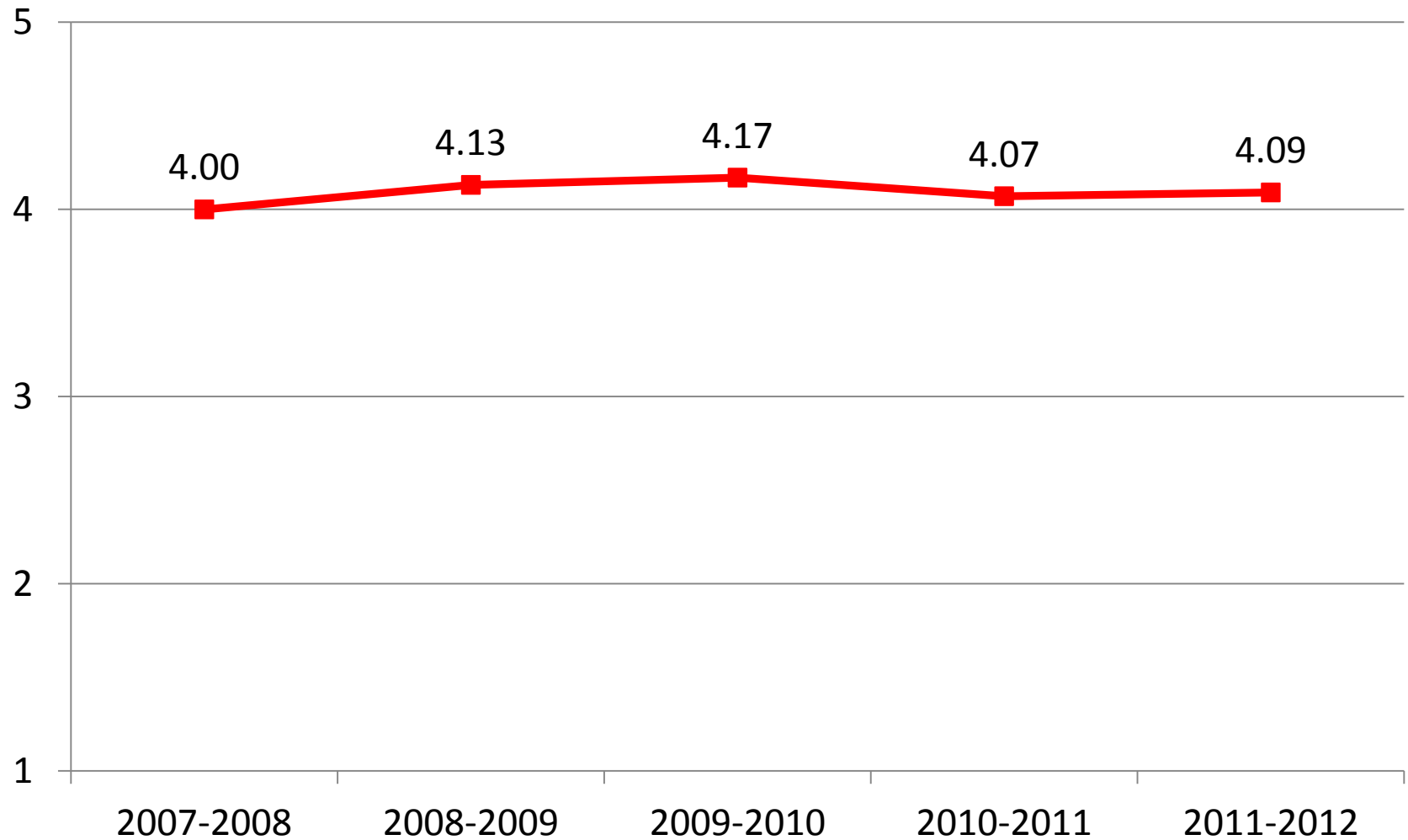
Mean



Q9 (old Q11): Will your organization renew its membership?



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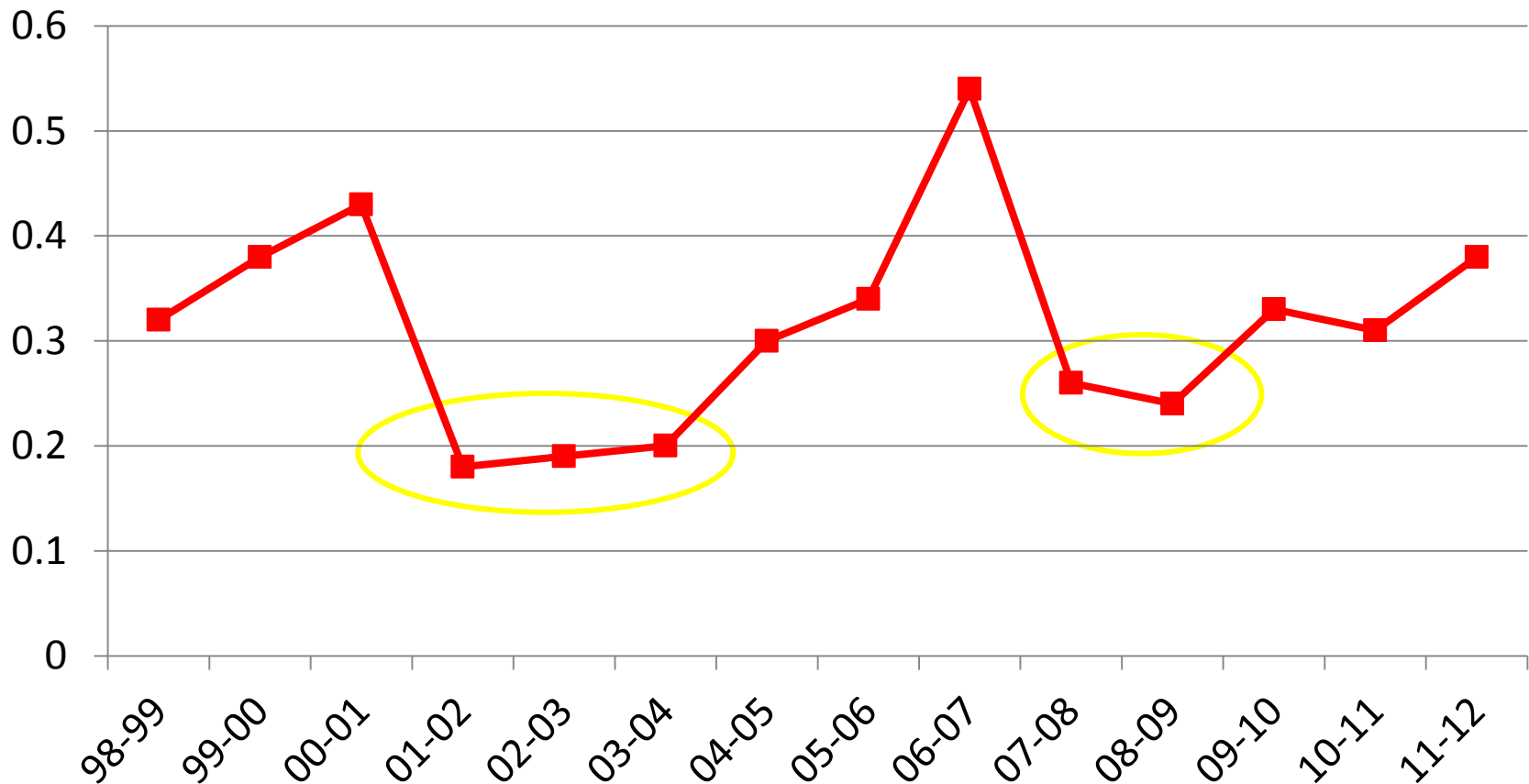
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Students Hired

Q4c (old Q6): During the past year, how many students trained in the Center projects were hired by your organization?



Students hired





Industry Summary

- As usual, stability across variables is the dominant pattern
- Ratings in most domains are relatively flat: research program, impacts, satisfaction, student hires
- Follow up Issues/Concerns
 - Student hires: maintain the rebound but impact on recruiting relatively low
 - Areas needing improvement
 - Communication/technology transfer
 - Recruiting/fund raising
 - Research planning and selection

Need to update
this



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Faculty Questionnaire

Select Results



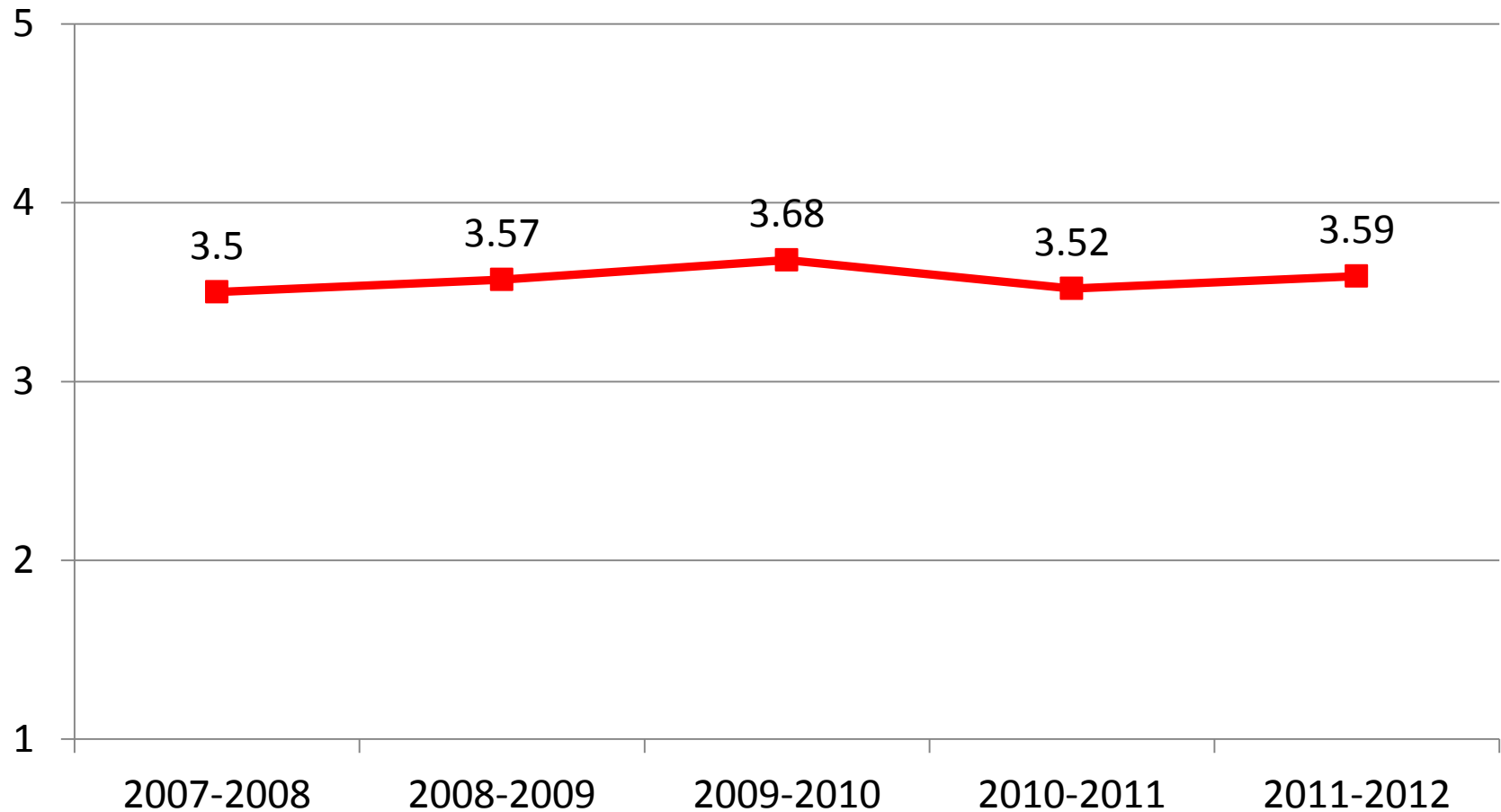
Faculty Long and Short Forms

	Long Form	Short Form
# of items	13	6
# of questions in common	6	6
# of unique questions	7	0
# of centers using form	27	15
Sample size	217	133

Q1: Compared to the research projects you typically conduct, would you describe your Center-funded research as more basic or applied?



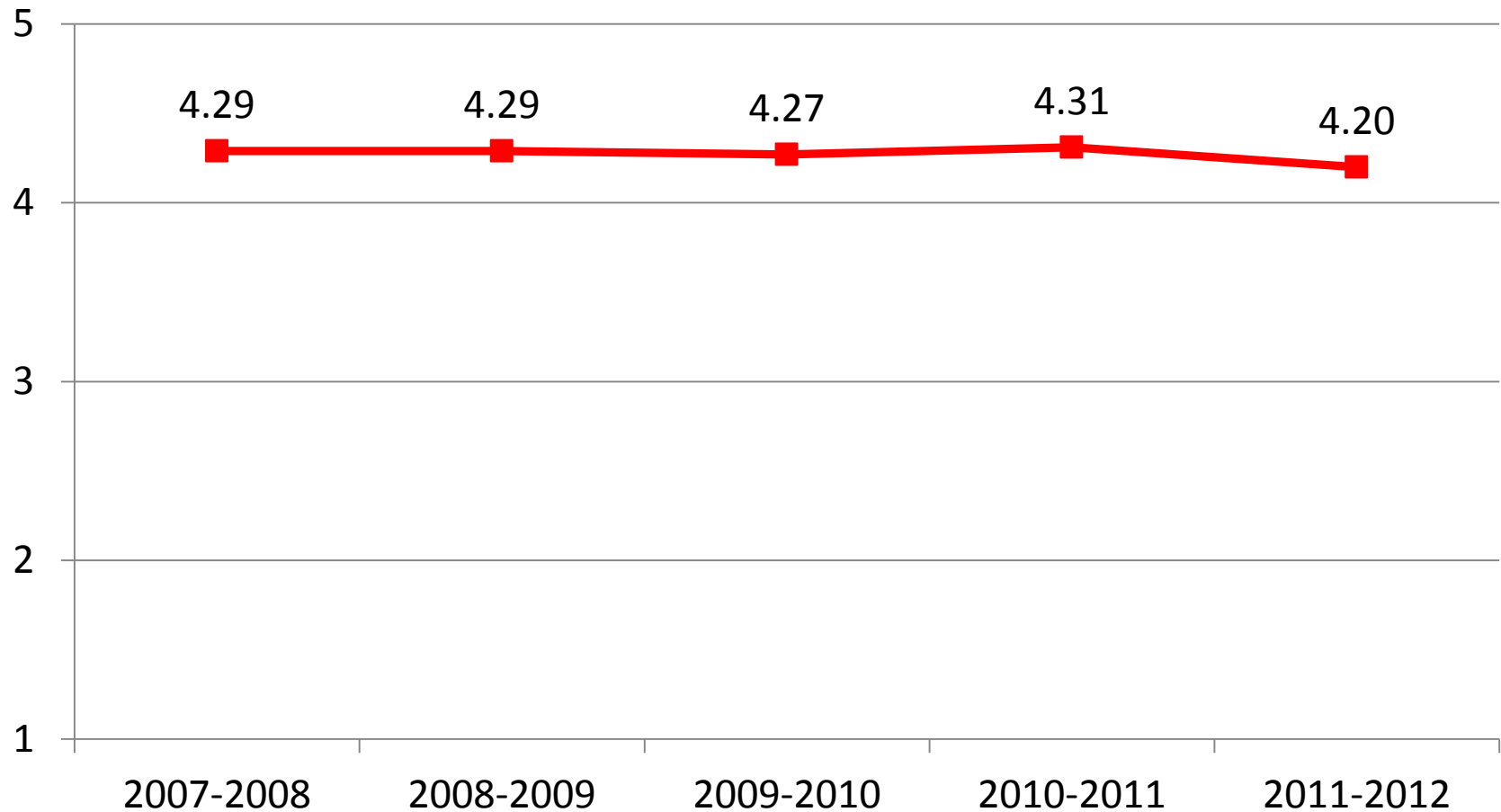
Mean



Q2a: During the past year, how satisfied were you with the quality of center-supported research program?



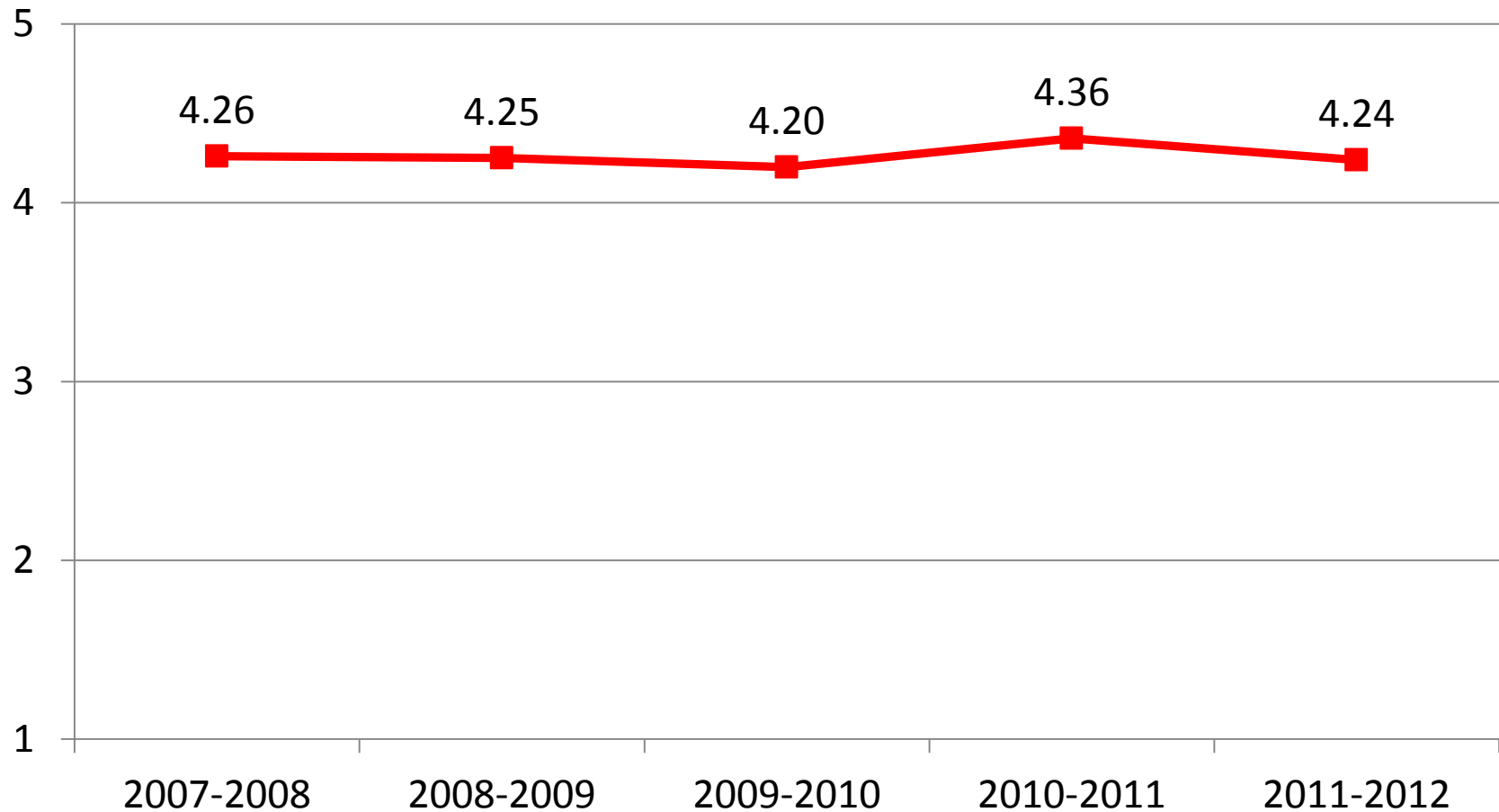
Mean



Q2b: During the past year, how satisfied were you with the relevance of the Center's research program to my professional goals?



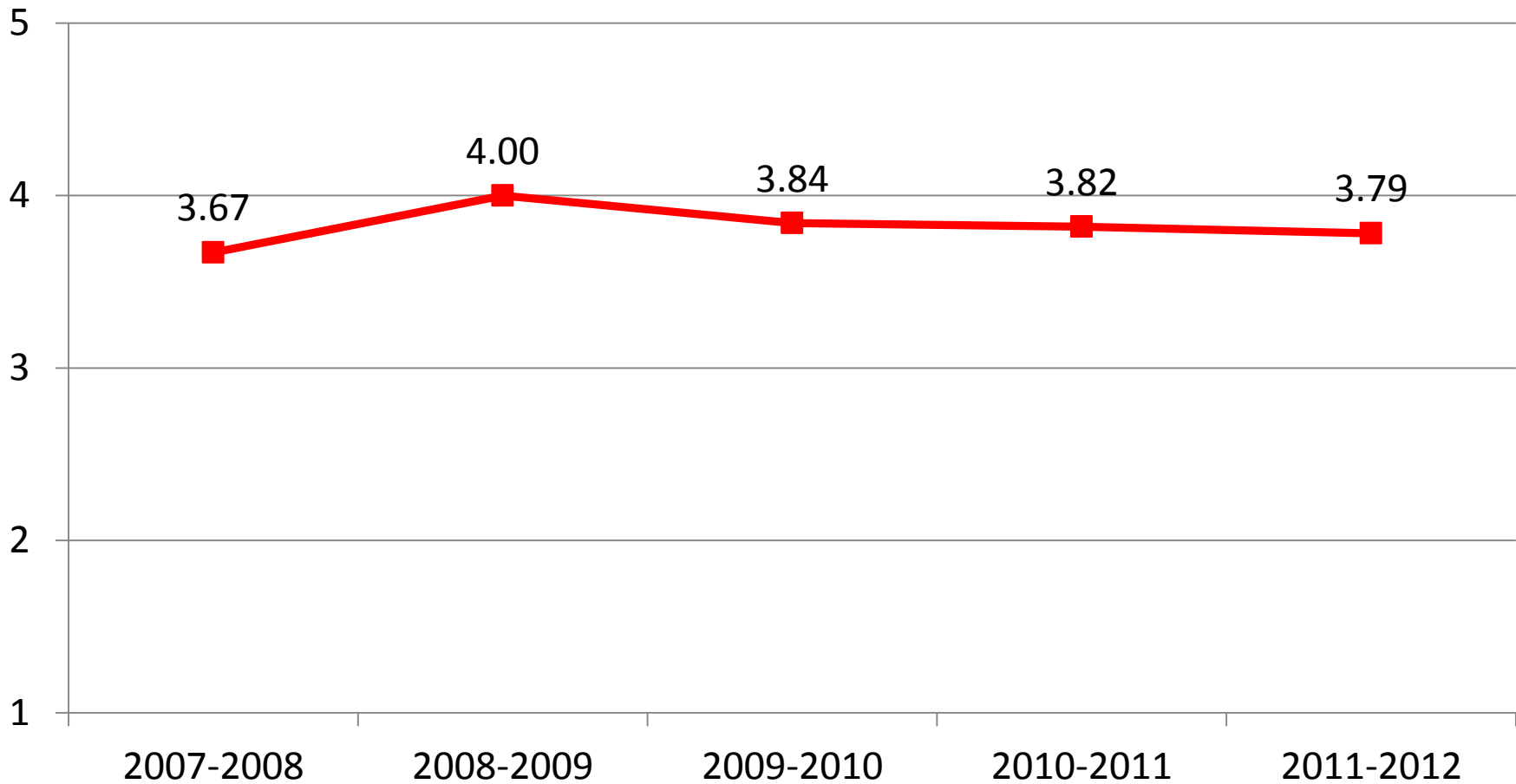
Mean



Q4a: During the past year, what impact has participation in the Center had for YOU in the following areas?



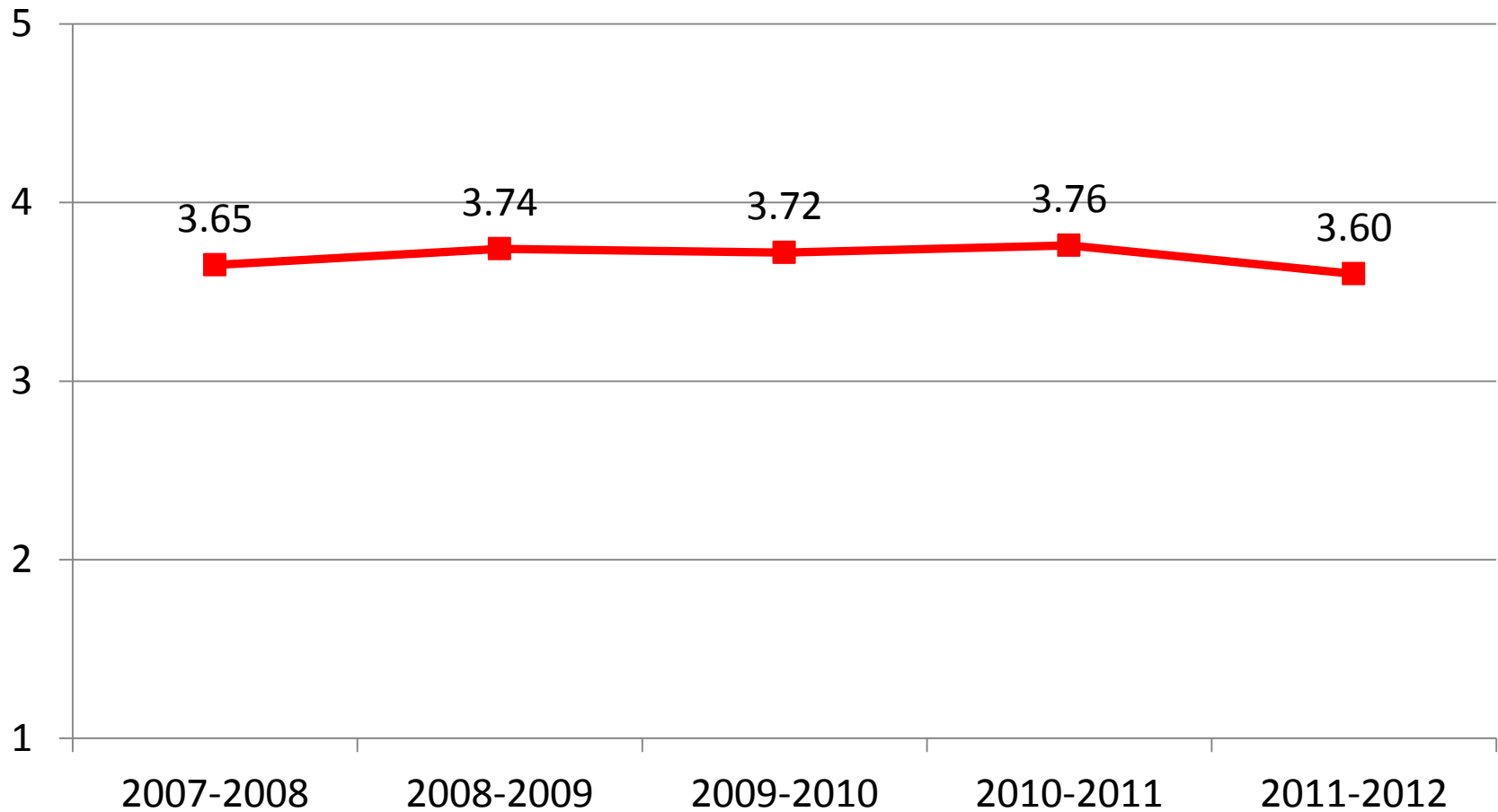
The feeling of accomplishment I get from the research I do



Q4b: During the past year, what impact has participation in the Center had for YOU in the following areas?



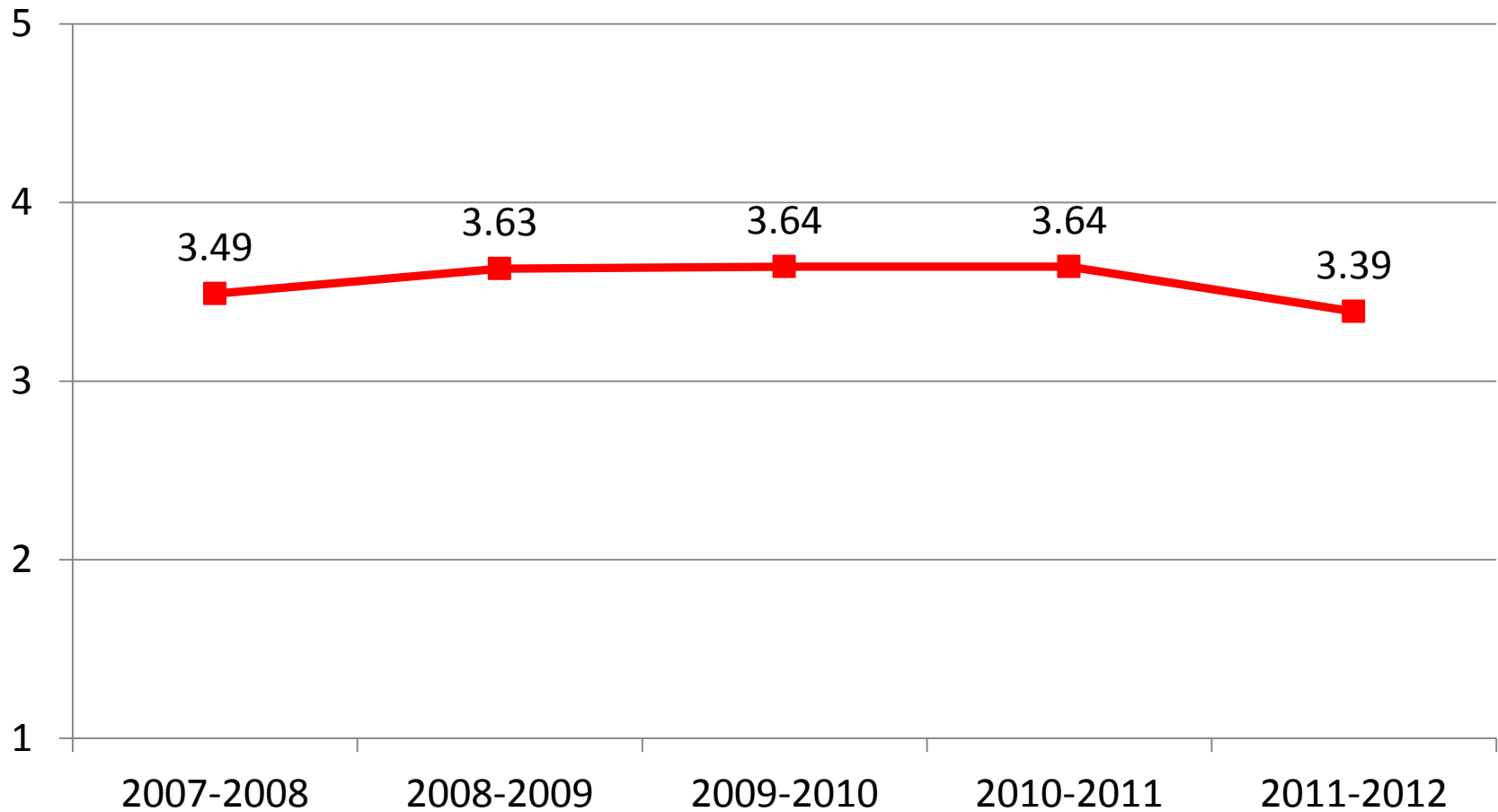
Opportunities for research contracts/grants



Q4c: During the past year, what impact has participation in the Center had for YOU in the following areas?



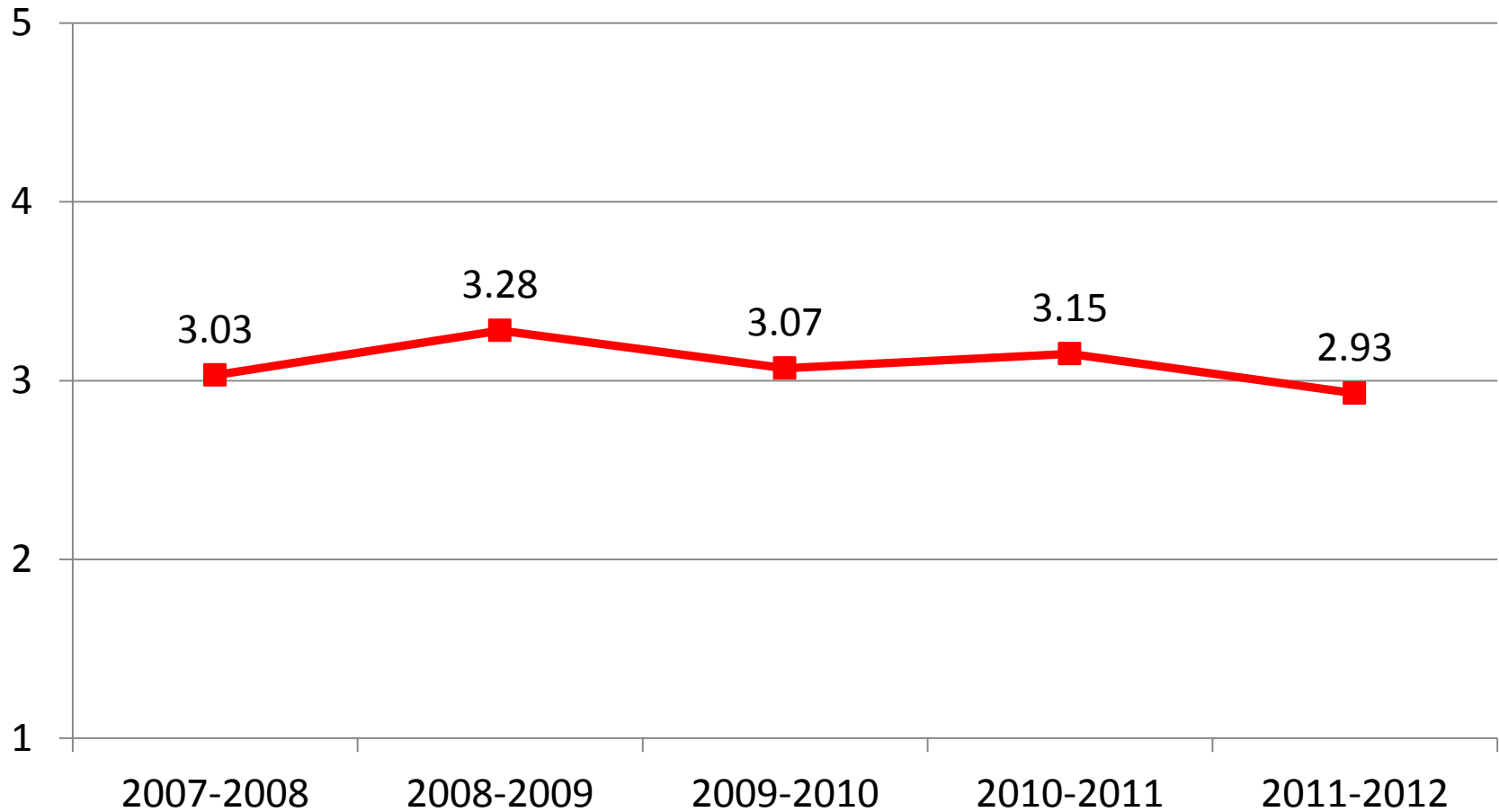
Recognition I receive for the work I do



Q4d: During the past year, what impact has participation in the Center had for YOU in the following areas?



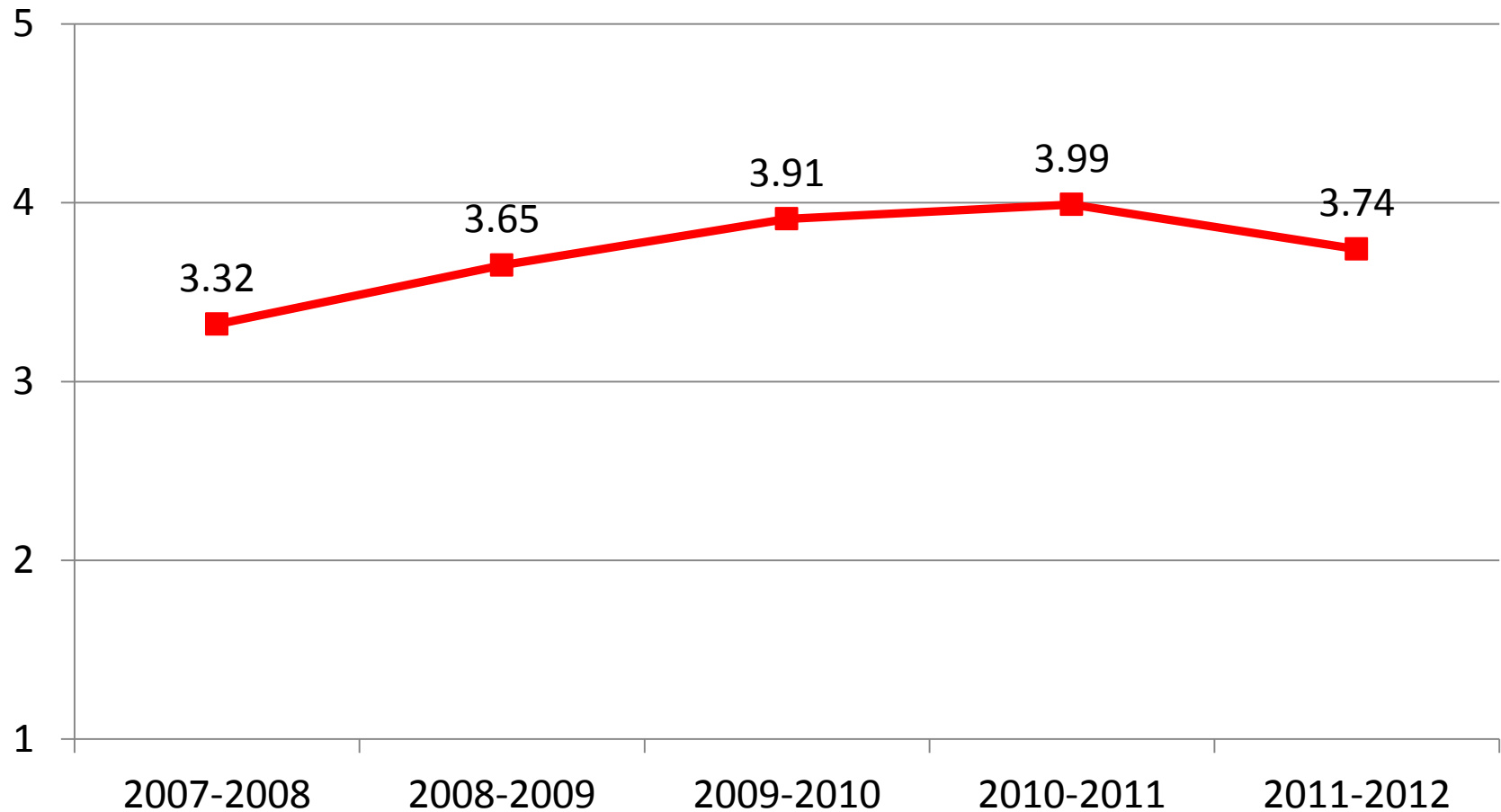
Access to useful equipment



Q4e: During the past year, what impact has participation in the Center had for YOU in the following areas?



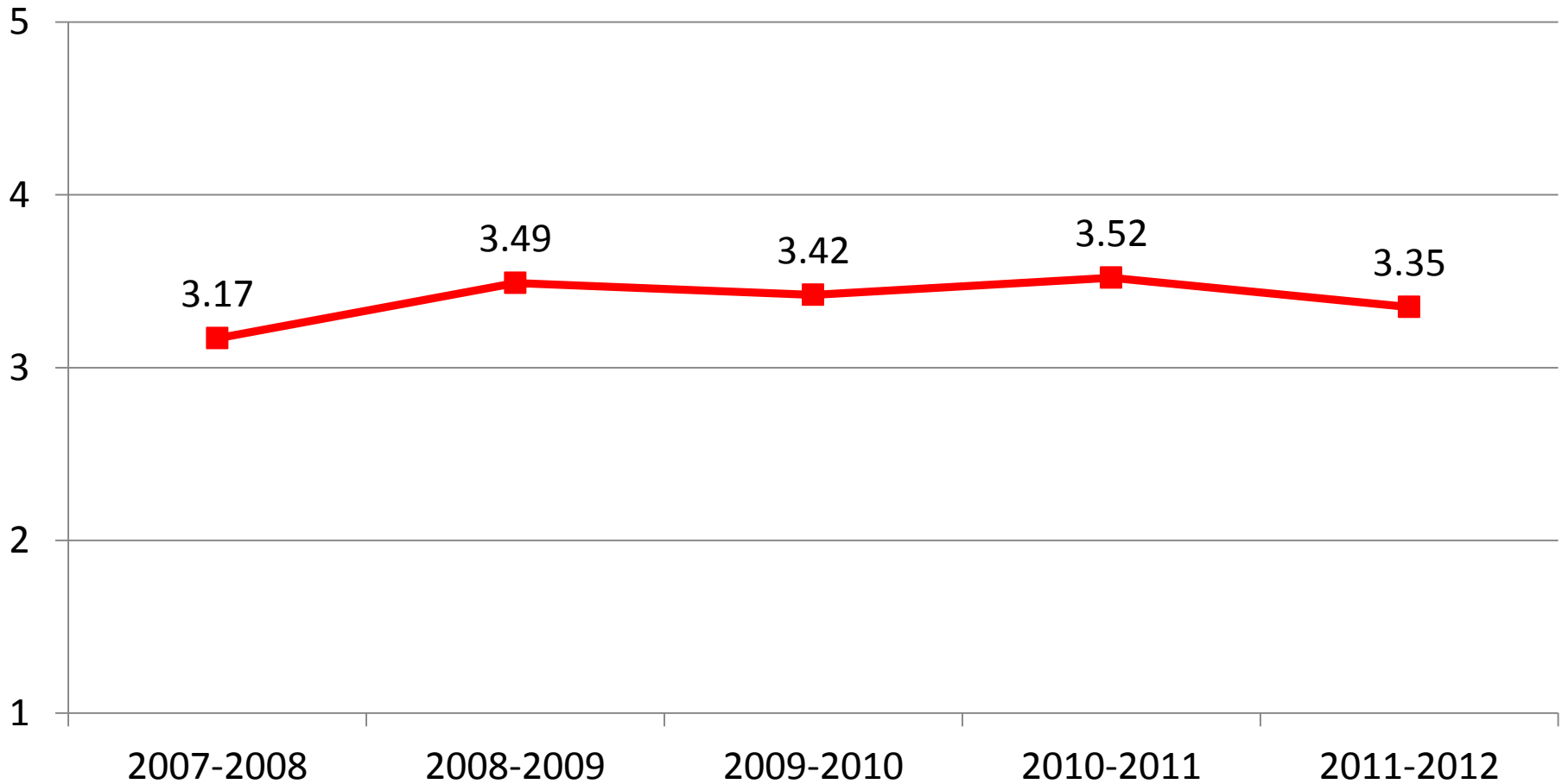
Ability to support graduate students



Q4f: During the past year, what impact has participation in the Center had for YOU in the following areas?



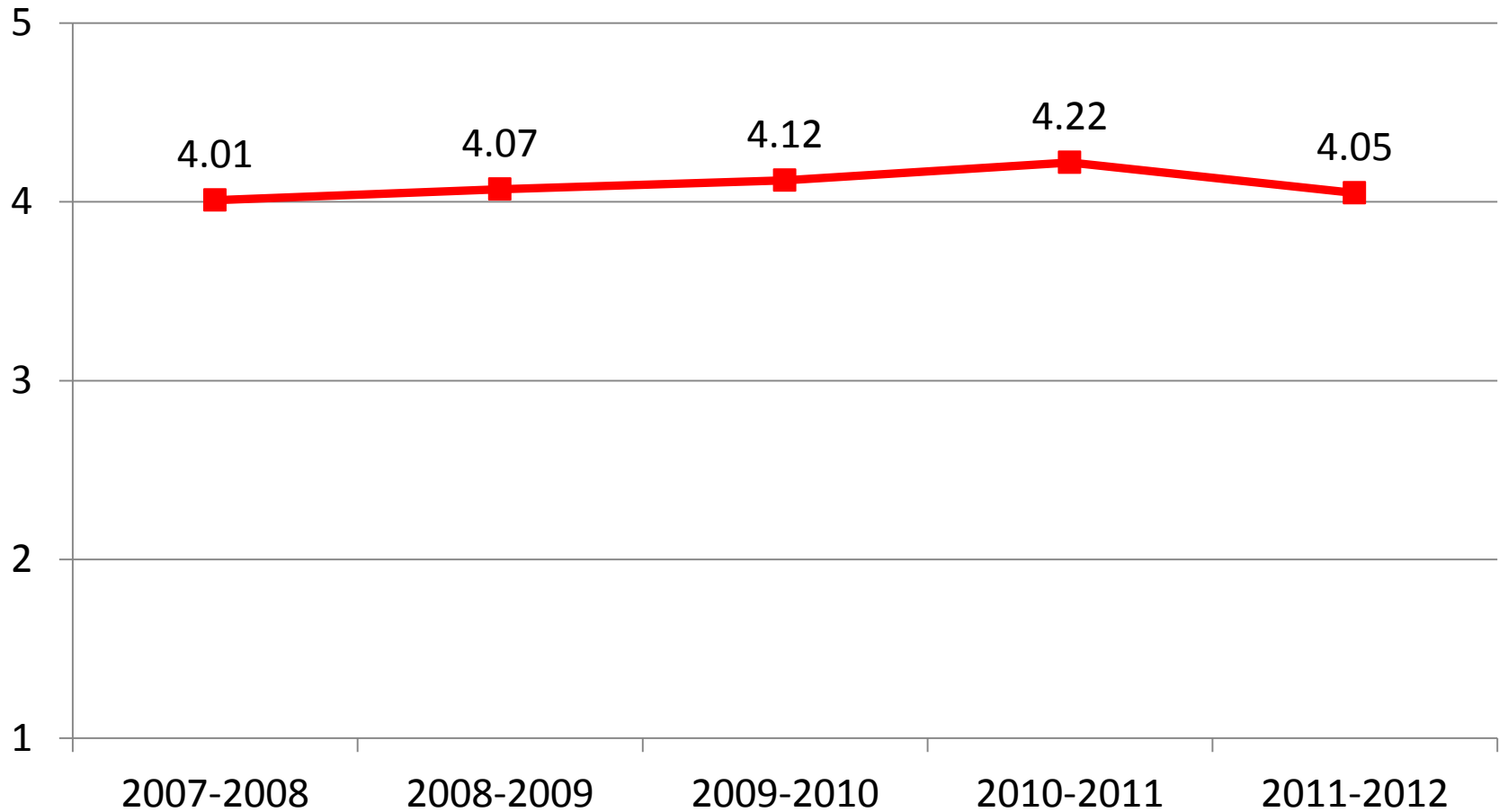
Ability to publish my work in quality proceedings and journals



Q5: Which option best expresses your current intentions? Next year I will submit my best research ideas in a center funded proposal.



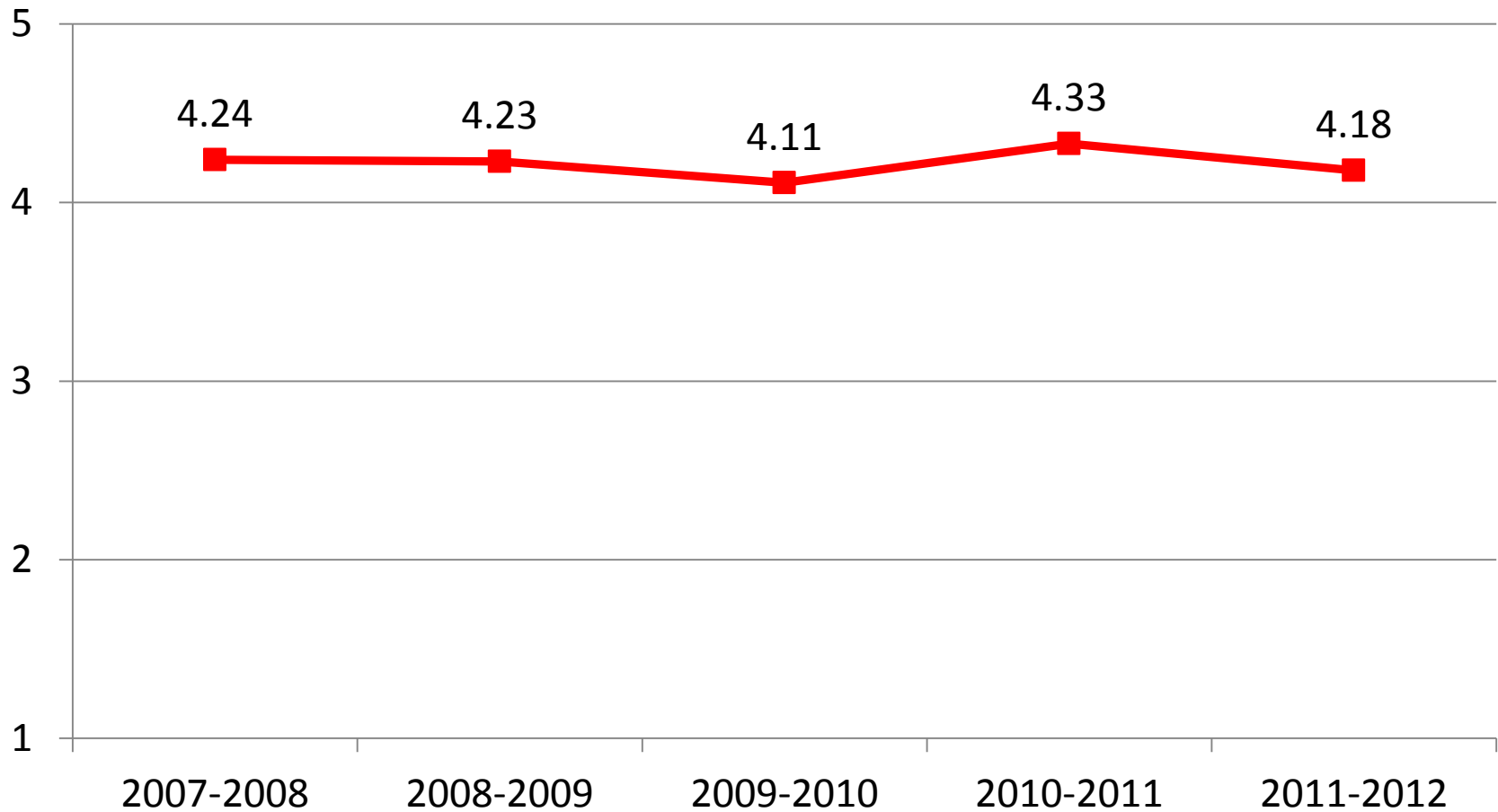
Mean



Q6: During the past year, how satisfied were you with center administrative operations?



Mean





Faculty Summary

- Most indicators are relatively stable
 - Keep using benchmarks: variability between centers is key issue.

How Should These Process/Outcome Results be Used?



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- Trends are probably much more interpretable at local center level
 - Director leaves; research direction changes; move from one-on-one to consortial center
- Benchmark center against previous year and national norms
 - By comparing means, medians, and standard deviations, evaluators can see how their centers compare to national “norms”
 - Insert national data into industry software tools for this year/last year comparisons with your center
 - Move current center means to previous year in e-mail software package
- Caution:
 - Deteriorating response rate undermines the validity and usefulness of feedback
 - Need to reinvent our methods
 - Cautiously considered interpretation