Dear Prof. Dr. Nierstrasz,

Please find here the results of the evaluation of your course Programming 2. Following the scanning of the questionnaires, this report was automatically generated and mailed to you.

The questionnaire used was PN-P2.V1. In the report, you first see the mean values of the following dimensions:

- Planning and Presentation (Skalenbreite: 4)
- Manners with Students (Skalenbreite: 4)
- Interest and Relevance (Skalenbreite: 4)
- Complexity and Scope (Skalenbreite: 5)
- Overall Assessment (Skalenbreite: 6)

In the second part of the report, you see the answers to all the questions. The number of answers, the mean value and the values differing from it are also given.

Grade 1 equals the lowest grade given by the students, grade 4 or more the highest grade (unless a question is reversed). In 'complexity and scope' grade 3 corresponds to 'exactly right' and is therefore the best grade. In the overall assessment of the Course, grade 6 means the best result.

We hope that this report helps you to analyse your course. Please briefly discuss the results with your students before the end of the semester.

In case you wish to learn more about how to improve your teaching, you might want to discuss the results with the staff of the ‘Hochschuldidaktik’ (mail address: hd@zuw.unibe.ch). Please bring a copy of the report with you, since the staff of Hochschuldidaktik do not have access to evaluation results.

You might find guidelines, regulations and information about the process under www.lehrveranstaltungsevaluation.unibe.ch (documents in German).

Should you need more information, you may also contact us by e-mail.

Kind regards,
Daniela Wuillemin
Vice-rectorate of quality
Overall indicators

Planning and Presentation (Skalenbreite: 4)  
-  
  1  2  3  4  +  
  av.=3,64  
  dev.=0,51  
  1  2  3  4  5  +  
  av.=3,00  
  dev.=0,55  
  1  2  3  4  5  6  +  
  av.=5,00  
  dev.=0,55

Manners with Students (Skalenbreite: 4)  
-  
  1  2  3  4  +  
  av.=3,87  
  dev.=0,34  
  1  2  3  4  5  +  
  av.=4,00  
  dev.=0,57

Interest and Relevance (Skalenbreite: 4)  
-  
  1  2  3  4  +  
  av.=3,50  
  dev.=0,63  
  1  2  3  4  5  +  
  av.=3,26  
  dev.=0,57

Complexity and Scope (Skalenbreite: 5)  
-  
  1  2  3  4  5  +  
  av.=3,26  
  dev.=0,57

Overall Assessment (Skalenbreite: 6)  
-  
  1  2  3  4  5  6  +  
  av.=5,40  
  dev.=0,47

Legend

Question text

Planning and Presentation

1 The course follows a coherent structure.  
-  
  1  2  3  4  not true true  
  n=25  
  av.=3,6  
  md=4  
  dev.=0,58

2 The wider context of the subject matter is sufficiently elucidated.  
-  
  1  2  3  4  not true true  
  n=24  
  av.=3,63  
  md=4  
  dev.=0,58

3 The lecturer expresses him-/herself clearly and comprehensibly.  
-  
  1  2  3  4  not true true  
  n=25  
  av.=3,92  
  md=4  
  dev.=0,28

4 The course provides an adequate overview of the subject matter treated.  
-  
  1  2  3  4  not true true  
  n=25  
  av.=3,48  
  md=4  
  dev.=0,65

5 The design of the course contributes to an understanding of the subject matter.  
-  
  1  2  3  4  not true true  
  n=25  
  av.=3,54  
  md=4  
  dev.=0,49

6 There is overall enough material provided to assist the learning process (slides, course material, hand-outs, etc.).  
-  
  1  2  3  4  not true true  
  n=24  
  av.=3,5  
  md=3,5  
  dev.=0,51
7 The course materials (slides, course manuals, handouts, etc.) are overall of sufficient quality.

8 The lecturer takes students seriously.

9 The lecturer is friendly and respectful towards students.

10 The lecturer addresses questions and suggestions from students adequately.

11 The lecturer seems to care about his/her students' progress.

12 The lecturer succeeds in making the course interesting.

13 The course is probably very useful for my future professional life.

14 The applicability and relevance of the subject matter is sufficiently clarified by the lecturer.

15 The lecturer fosters my interest in the subject.

16 The degree of complexity of the course is:

17 The scope of the course is:

18 The pace of the course is:
19 The amount of knowledge presupposed by the course is:  

<table>
<thead>
<tr>
<th>Far too low/wide</th>
<th>Far too high/wide</th>
<th>n=23</th>
<th>av.=3,13</th>
<th>md=3</th>
<th>dev.=0,46</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
</tbody>
</table>

Overall Assessment

20 How would you grade the course as a whole?

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>n=25</th>
<th>av.=5,12</th>
<th>md=5</th>
<th>dev.=0,44</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>1</td>
<td>0%</td>
<td>6</td>
<td>0%</td>
</tr>
</tbody>
</table>

21 How would you grade the lecturer with regard to subject expertise?

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>n=25</th>
<th>av.=5,68</th>
<th>md=6</th>
<th>dev.=0,48</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>1</td>
<td>0%</td>
<td>6</td>
<td>0%</td>
</tr>
</tbody>
</table>

22 How would you grade the lecturer with regard to teaching methods?

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>n=25</th>
<th>av.=5,4</th>
<th>md=5</th>
<th>dev.=0,5</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>1</td>
<td>0%</td>
<td>6</td>
<td>0%</td>
</tr>
</tbody>
</table>

23 The course has taught me

<table>
<thead>
<tr>
<th>Very little</th>
<th>Little</th>
<th>This or that</th>
<th>A lot</th>
<th>An awful lot</th>
<th>n=25</th>
<th>av.=3,88</th>
<th>md=3</th>
<th>dev.=0,83</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>4</td>
<td>16</td>
<td>4</td>
<td>1</td>
<td>0%</td>
<td>6</td>
<td>0%</td>
</tr>
</tbody>
</table>

Socio-demographic Data and Background Variables

24 How many hours per week did you invest in preparation and revision for the course (on average)?

<table>
<thead>
<tr>
<th>0h</th>
<th>Less than 2h</th>
<th>2 to 4h</th>
<th>4 to 6h</th>
<th>More than 6h</th>
<th>n=23</th>
<th>av.=3,83</th>
<th>md=3</th>
<th>dev.=0,83</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>9</td>
<td>6</td>
<td>7</td>
<td>0</td>
<td>0%</td>
<td>6</td>
<td>0%</td>
</tr>
</tbody>
</table>

25 Was the topic of interest to you?

<table>
<thead>
<tr>
<th>Not at all</th>
<th>Slightly</th>
<th>Fairly</th>
<th>Quite a lot</th>
<th>n=25</th>
<th>av.=3,83</th>
<th>md=3</th>
<th>dev.=0,83</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>1</td>
<td>10</td>
<td>14</td>
<td>0</td>
<td>0%</td>
<td>6</td>
<td>0%</td>
</tr>
</tbody>
</table>

26 How many lectures did you miss?

<table>
<thead>
<tr>
<th>None</th>
<th>1 - 2</th>
<th>3 - 4</th>
<th>More than 4</th>
<th>n=24</th>
<th>av.=3,83</th>
<th>md=3</th>
<th>dev.=0,83</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>12</td>
<td>3</td>
<td>0</td>
<td></td>
<td>0%</td>
<td>6</td>
<td>0%</td>
</tr>
</tbody>
</table>
If you missed more than 2 lectures, please give one reason:

- lack of interest: 0 (n=9)
- course overlap: 0
- illness etc.: 3
- course manual/required reading suffices for exam preparation: 2
- other reasons: 4

Allocation of the course in your study programme:

- mono subject/Major/Hauptfach: 18 (n=24)
- Minor/Nebenfach: 5
- complementary or specialization course: 1

Your current number of semesters:

- 1: 1 (n=25)
- 2: 19
- 3: 0
- 4: 3
- 5: 0
- 6: 1
- 7: 0
- 8: 0
- 9: 1
- 10: 0
- higher than 10: 0

Sex:

- female: 4 (n=23)
- male: 19
- n/a: 0

Open Questions

What did you like about the course?

- Good exercises
- Professor was very helpful!
- Overall interesting topic/presentation, actually, as far as I'm into my student-career, I think this was the most useful lecture (Y)
It was clearly structured, the presentation files contained a lot of helpful information. Concrete examples.

The exercises were clearly explained and sometimes very fine concerning.

The concepts were explained and illustrated very clearly.

The way it is presented, very cool. Our topics in the exercise were very cool!

Notes in the presentations help to understand the topic. The course is in English.

The exercises were good and entertaining.

Good overview, good tasks.

The friendly appearance of the lecturer.

The exercises were very helpful, especially the corrections.
Good Exercises.

Example 1

Exercises, good examples, focus on good design early. It's already in second semester is very helpful to avoid bad practices.
What did you not like about the course?

- Something a bit too time-consuming.
- Very short exam preparation.

Sometimes the assignments took up very much time, especially for fixing code etc. (some weeks it was about 10 hours of work) and it’s also not very satisfying having to wait long for the solutions, no offence towards the assistant though, they did a great job, but maybe the assignments not too big.

Sometimes the labs were somewhat overfilled, in my opinion, and these text-heavy labs make the lecture rather dull and boring.

The c++ lecture was too difficult to understand.

Too much exercises, it was not possible to do them all carefully.
The course had not taught me much, because I know a lot about programming.

The exercises were not clearly linked to the lecture.

The exercises were (sometimes) a bit too large and required quite a lot of effort, which does not quite suit the amount of ECTS you get (compared to the lecture about databases, for instance).

Exercises not corrected well enough.

Macbeth
Too big exercises

Corrections of the exercises were returned late

Suggestions for improvements?

In my opinion it would be very helpful to have an example exam.

Smaller assignments, results in 46 ExW instead of English exercises.

If I would visit again.

Part text-heavy fails and/or provide more information orally rather than only on paper.

Use ilius

More examples to
Less exercises so we could do them more carefully.

Just one lecture of C++ is not enough. Maybe an exercise should be added for better understanding.

I wrote that in the online evaluation.

Maybe one or two assistants more would reduce the time spent waiting for corrections. Reducing the scope of the exercises could help too.

Remove Northeast
## Assessment of Individual Lectures

### 8.1 Introduction

<table>
<thead>
<tr>
<th></th>
<th>0%</th>
<th>10%</th>
<th>20%</th>
<th>30%</th>
<th>40%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strongly Disagree</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Strongly Agree</td>
<td>12</td>
<td>54.5%</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

- **n=22**  
- **av.=2.55**  
- **md=3**  
- **dev.=0.51**

### 8.2 OO Design Principles

<table>
<thead>
<tr>
<th></th>
<th>0%</th>
<th>10%</th>
<th>20%</th>
<th>30%</th>
<th>40%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strongly Disagree</td>
<td>1</td>
<td>8.7%</td>
<td>73.9%</td>
<td>17.4%</td>
<td>0%</td>
</tr>
<tr>
<td>Strongly Agree</td>
<td>17</td>
<td>73.9%</td>
<td>17.4%</td>
<td>12.5%</td>
<td>0%</td>
</tr>
</tbody>
</table>

- **n=23**  
- **av.=3.09**  
- **md=3**  
- **dev.=0.51**

### 8.3 Design by Contract

<table>
<thead>
<tr>
<th></th>
<th>0%</th>
<th>10%</th>
<th>20%</th>
<th>30%</th>
<th>40%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strongly Disagree</td>
<td>1</td>
<td>12.5%</td>
<td>45.8%</td>
<td>41.7%</td>
<td>0%</td>
</tr>
<tr>
<td>Strongly Agree</td>
<td>11</td>
<td>45.8%</td>
<td>41.7%</td>
<td>17.4%</td>
<td>0%</td>
</tr>
</tbody>
</table>

- **n=24**  
- **av.=3.29**  
- **md=3**  
- **dev.=0.69**

### 8.4 A Testing Framework

<table>
<thead>
<tr>
<th></th>
<th>0%</th>
<th>10%</th>
<th>20%</th>
<th>30%</th>
<th>40%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strongly Disagree</td>
<td>1</td>
<td>13%</td>
<td>43.5%</td>
<td>43.5%</td>
<td>0%</td>
</tr>
<tr>
<td>Strongly Agree</td>
<td>12</td>
<td>43.5%</td>
<td>43.5%</td>
<td>16%</td>
<td>0%</td>
</tr>
</tbody>
</table>

- **n=23**  
- **av.=3.3**  
- **md=3**  
- **dev.=0.7**

### 8.5 Debugging and Tools

<table>
<thead>
<tr>
<th></th>
<th>0%</th>
<th>10%</th>
<th>20%</th>
<th>30%</th>
<th>40%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strongly Disagree</td>
<td>1</td>
<td>16%</td>
<td>68%</td>
<td>16%</td>
<td>0%</td>
</tr>
<tr>
<td>Strongly Agree</td>
<td>17</td>
<td>68%</td>
<td>16%</td>
<td>13%</td>
<td>0%</td>
</tr>
</tbody>
</table>

- **n=25**  
- **av.=3.2**  
- **md=3**  
- **dev.=0.71**

### 8.6 Iterative Development

<table>
<thead>
<tr>
<th></th>
<th>0%</th>
<th>10%</th>
<th>20%</th>
<th>30%</th>
<th>40%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strongly Disagree</td>
<td>1</td>
<td>0%</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Strongly Agree</td>
<td>16</td>
<td>64%</td>
<td>16%</td>
<td>16%</td>
<td>0%</td>
</tr>
</tbody>
</table>

- **n=25**  
- **av.=3.5**  
- **md=3**  
- **dev.=0.59**

### 8.7 Inheritance and Refactoring

<table>
<thead>
<tr>
<th></th>
<th>0%</th>
<th>10%</th>
<th>20%</th>
<th>30%</th>
<th>40%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strongly Disagree</td>
<td>1</td>
<td>17.4%</td>
<td>47%</td>
<td>34.8%</td>
<td>0%</td>
</tr>
<tr>
<td>Strongly Agree</td>
<td>8</td>
<td>47%</td>
<td>34.8%</td>
<td>17.4%</td>
<td>0%</td>
</tr>
</tbody>
</table>

- **n=23**  
- **av.=3.17**  
- **md=3**  
- **dev.=0.72**

### 8.8 GUI Construction

<table>
<thead>
<tr>
<th></th>
<th>0%</th>
<th>10%</th>
<th>20%</th>
<th>30%</th>
<th>40%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strongly Disagree</td>
<td>1</td>
<td>26.1%</td>
<td>50%</td>
<td>17.4%</td>
<td>0%</td>
</tr>
<tr>
<td>Strongly Agree</td>
<td>4</td>
<td>50%</td>
<td>17.4%</td>
<td>26.1%</td>
<td>0%</td>
</tr>
</tbody>
</table>

- **n=23**  
- **av.=2.91**  
- **md=3**  
- **dev.=0.67**
8.9 Advanced Design Lab

8.10 Guidelines, Idioms and Patterns

8.11 A bit of C++

8.12 A bit of Smalltalk

8.13 Einblicke in die Praxis
Profile

Subunit: Phil.-nat. Fakultät
Name of the instructor: Prof. Dr. Oscar Marius Nierstrasz
Name of the course: Programming 2

Values used in the profile line: Mean

### Planning and Presentation

1. The course follows a coherent structure.
   - Not true
   - True
   - n=25  av.=3,60 md=4,00 dev.=0,58

2. The wider context of the subject matter is sufficiently elucidated.
   - Not true
   - True
   - n=24  av.=3,63 md=4,00 dev.=0,58

3. The lecturer expresses him-/herself clearly and comprehensibly.
   - Not true
   - True
   - n=25  av.=3,92 md=4,00 dev.=0,28

4. The course provides an adequate overview of the subject matter treated.
   - Not true
   - True
   - n=25  av.=3,48 md=4,00 dev.=0,65

5. The design of the course contributes to an understanding of the subject matter.
   - Not true
   - True
   - n=25  av.=3,64 md=4,00 dev.=0,49

6. There is overall enough material provided to assist the learning process (slides, course material, hand-outs, etc.).
   - Not true
   - True
   - n=24  av.=3,50 md=3,50 dev.=0,51

7. The course materials (slides, course manuals, hand-outs, etc.) are overall of sufficient quality.
   - Not true
   - True
   - n=25  av.=3,72 md=4,00 dev.=0,46

### Manners with Students

8. The lecturer takes students seriously.
   - Not true
   - True
   - n=23  av.=3,91 md=4,00 dev.=0,29

9. The lecturer is friendly and respectful towards students.
   - Not true
   - True
   - n=23  av.=3,96 md=4,00 dev.=0,21

10. The lecturer addresses questions and suggestions from students adequately.
    - Not true
    - True
    - n=25  av.=3,88 md=4,00 dev.=0,33

11. The lecturer seems to care about his/her students' progress.
    - Not true
    - True
    - n=23  av.=3,74 md=4,00 dev.=0,54

### Interest and Relevance

12. The lecturer succeeds in making the course interesting.
    - Not true
    - True
    - n=25  av.=3,52 md=4,00 dev.=0,51

13. The course is probably very useful for my future professional life.
    - Not true
    - True
    - n=24  av.=3,58 md=4,00 dev.=0,58

14. The applicability and relevance of the subject matter is sufficiently clarified by the lecturer.
    - Not true
    - True
    - n=23  av.=3,48 md=4,00 dev.=0,85

15. The lecturer fosters my interest in the subject.
    - Not true
    - True
    - n=22  av.=3,41 md=3,00 dev.=0,59

### Complexity and Scope

16. The degree of complexity of the course is: far too low/narrow
    - far too high/wide
    - n=23  av.=3,30 md=3,00 dev.=0,56

17. The scope of the course is: far too low/narrow
    - far too high/wide
    - n=24  av.=3,29 md=3,00 dev.=0,69
18 The pace of the course is:  
  far too low/ narrow  
  far too wide  
  n=23  avg.=3.30 md=3.00 dev.=0.56

19 The amount of knowledge presupposed by the course is:  
  far too low/ narrow  
  far too high/ wide  
  n=23  avg.=3.13 md=3.00 dev.=0.46

### Overall Assessment

20 How would you grade the course as a whole?  
  1  
  6  
  n=25  avg.=5.12 md=5.00 dev.=0.44

21 How would you grade the lecturer with regard to subject expertise?  
  1  
  6  
  n=25  avg.=5.68 md=6.00 dev.=0.48

22 How would you grade the lecturer with regard to teaching methods?  
  1  
  6  
  n=25  avg.=5.40 md=5.00 dev.=0.50

### Assessment of Individual Lectures

8.1 Introduction  
  strongly disagree  
  strongly agree  
  n=22  avg.=2.55 md=3.00 dev.=0.51

8.2 OO Design Principles  
  strongly disagree  
  strongly agree  
  n=23  avg.=3.08 md=3.00 dev.=0.51

8.3 Design by Contract  
  strongly disagree  
  strongly agree  
  n=24  avg.=3.29 md=3.00 dev.=0.69

8.4 A Testing Framework  
  strongly disagree  
  strongly agree  
  n=23  avg.=3.30 md=3.00 dev.=0.70

8.5 Debugging and Tools  
  strongly disagree  
  strongly agree  
  n=25  avg.=3.20 md=3.00 dev.=0.71

8.6 Iterative Development  
  strongly disagree  
  strongly agree  
  n=25  avg.=3.00 md=3.00 dev.=0.58

8.7 Inheritance and Refactoring  
  strongly disagree  
  strongly agree  
  n=23  avg.=3.17 md=3.00 dev.=0.72

8.8 GUI Construction  
  strongly disagree  
  strongly agree  
  n=23  avg.=2.91 md=3.00 dev.=0.67

8.9 Advanced Design Lab  
  strongly disagree  
  strongly agree  
  n=21  avg.=2.52 md=2.00 dev.=0.75

8.10 Guidelines, Idioms and Patterns  
  strongly disagree  
  strongly agree  
  n=23  avg.=3.17 md=3.00 dev.=0.65

8.11 A bit of C++  
  strongly disagree  
  strongly agree  
  n=22  avg.=2.91 md=3.00 dev.=0.75

8.12 A bit of Smalltalk  
  strongly disagree  
  strongly agree  
  n=21  avg.=3.05 md=3.00 dev.=0.86

8.13 Einblicke in die Praxis  
  strongly disagree  
  strongly agree  
  n=24  avg.=2.96 md=3.00 dev.=0.69
Profile

Subunit: Phil.-nat. Fakultät
Name of the instructor: Prof. Dr. Oscar Marius Nierstrasz
Name of the course: Programming 2

Planning and Presentation (Skalenbreite: 4)  
Manners with Students (Skalenbreite: 4)  
Interest and Relevance (Skalenbreite: 4)  
Complexity and Scope (Skalenbreite: 5)  
Overall Assessment (Skalenbreite: 6)

av. = 3,64  dev. = 0,51
av. = 3,87  dev. = 0,34
av. = 3,50  dev. = 0,63
av. = 3,26  dev. = 0,57
av. = 5,40  dev. = 0,47
Presentation template

Programming 2
Prof. Dr. Oscar Marius Nierstrasz
No. of responses = 25

---

Planning and Presentation
(Skalenbreite: 4)

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>+</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

av.=3,64

---

Manners with Students
(Skalenbreite: 4)

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>+</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

av.=3,87

---

Interest and Relevance
(Skalenbreite: 4)

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>+</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

av.=3,5

---

Complexity and Scope
(Skalenbreite: 5)

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

av.=3,26

---

Overall Assessment (Skalenbreite: 6)

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

av.=5,4