

New marking module for AMC



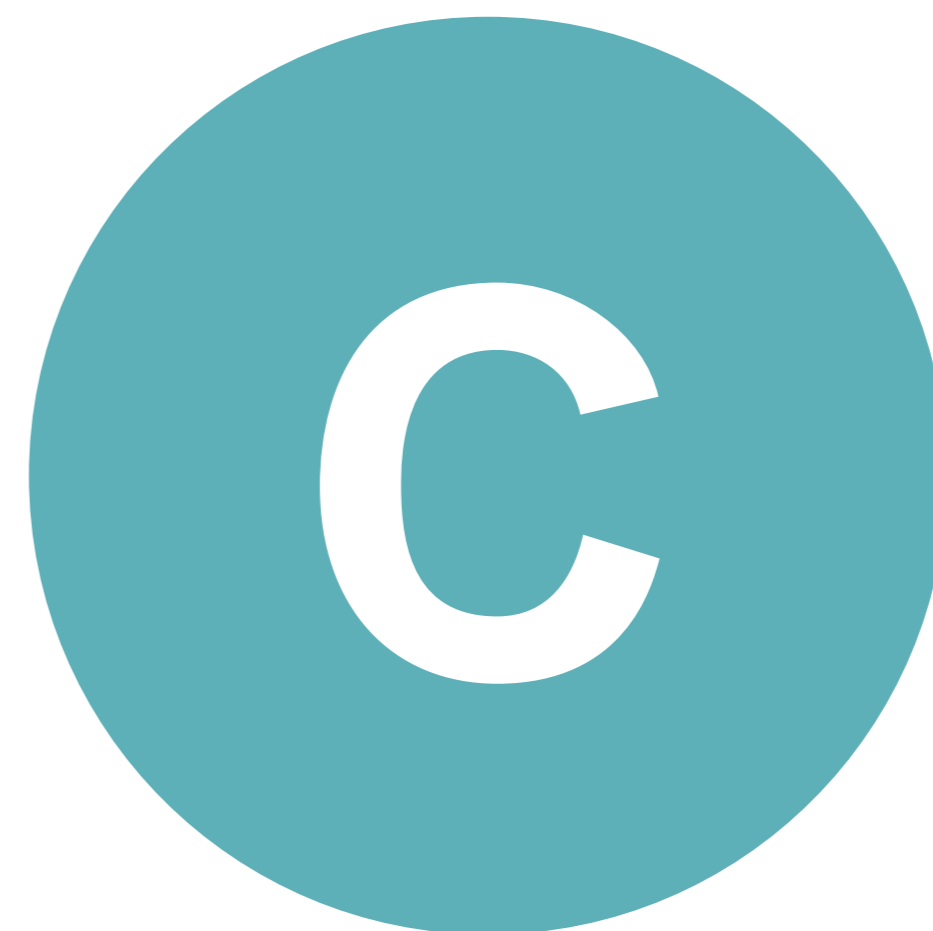
WHAT IS AMC ?



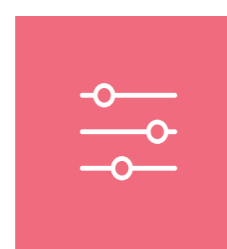
Auto



Multiple



Choice



a free software that can help you creating and managing multiple choice questionnaires (MCQ) with automated marking.

FEATURES & WEAKNESSES

Features

- Free software
- Auto marking
- Possibility to use formulas to define the marking scheme



Weaknesses

- Not user friendly
- No coherence among questions
- Not ability to provide charts
- GUI sometimes rough
- Can't simply modify the marking strategy

NEW MARKING MODULE FOR AMC

While the software is powerful, some professors do not use AMC because of the complicated path
We improve AMC with new features:



Coherence



**Interactive
Marking
Adjustment**



Charts



**Report
(with
MarkDown
Export)**

COHERENCE

 Coherence

? X

Please enter your coherence formulas for the exam and the questions

Q1 == 1 AND Q3 == 0 IS -4

Question 1

Question 2

R2 == 1 AND R3 == 0 IS -2

Question 3

Question 4

Question 5

Question 6

Question 7

Question 8

Question 9

Compute the logic

Teachers will be able to define sets of questions and sets of answers which are coherent between them.

This is to avoid students answering randomly.

We created a language to make this convenient for the teachers to set up

- $Q4 == 1 \text{ OR } Q5 == 0 \text{ IS } -2$
- $R1 == 0 \text{ AND } R2 == 1 \text{ IS } 1$

Mean: 13.82

STD: 1.62

Question 1 correctness: 74.0 %

1.0

Question 2 correctness: 96.0 %

1.0

Question 3 correctness: 52.0 %

1.0

Question 4 correctness: 4.0 %

1.0

Question 5 correctness: 13.0 %

1.0

Question 6 correctness: 83.0 %

1.0

Question 7 correctness: 57.0 %

1.0

Question 8 correctness: 13.0 %

1.0

Question 9 correctness: 78.0 %

1.0

Save weight

WEIGHT

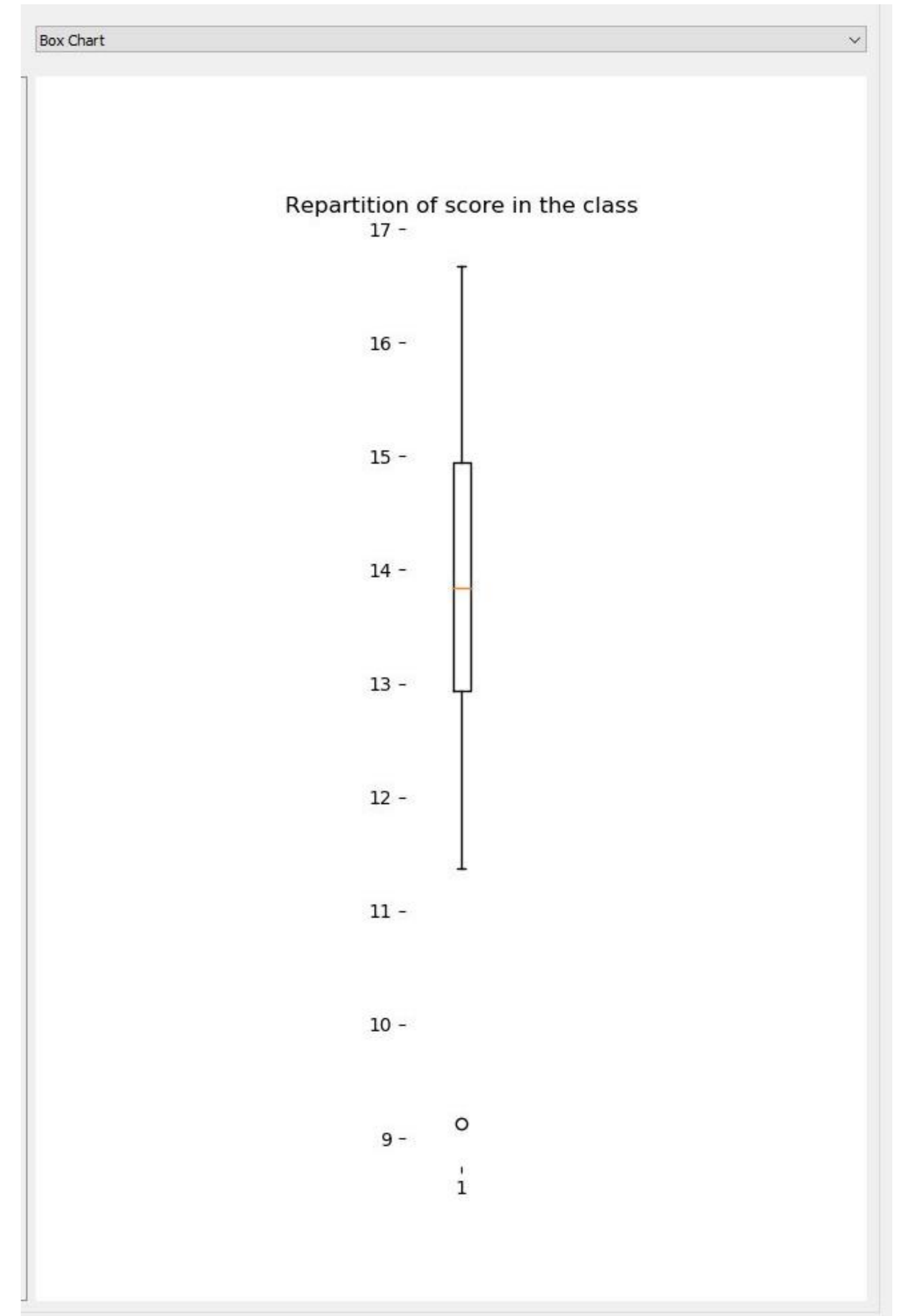
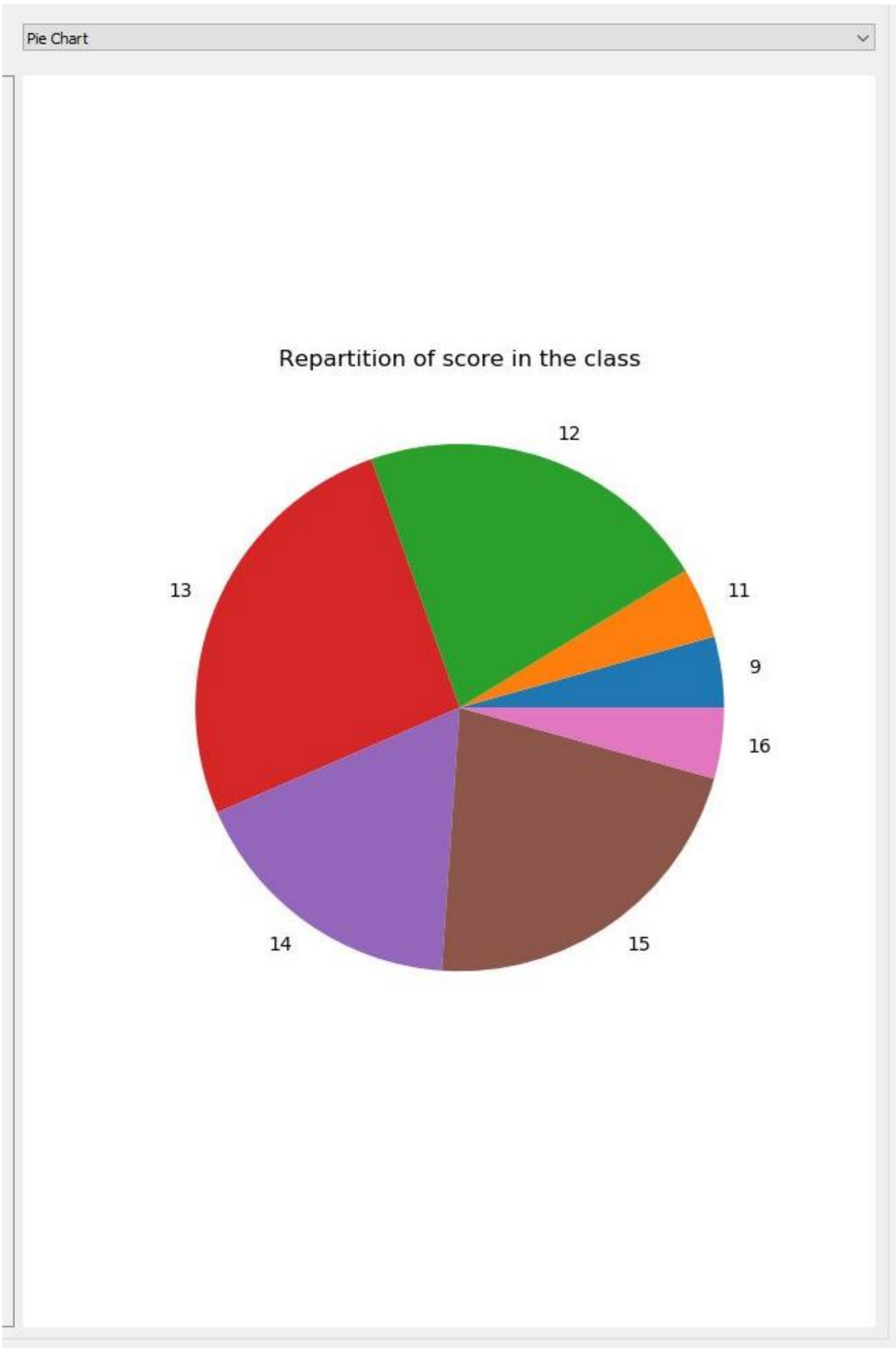
Teachers will be able to change the weight for each question and compute the grades.

They will use sliders in the UI.

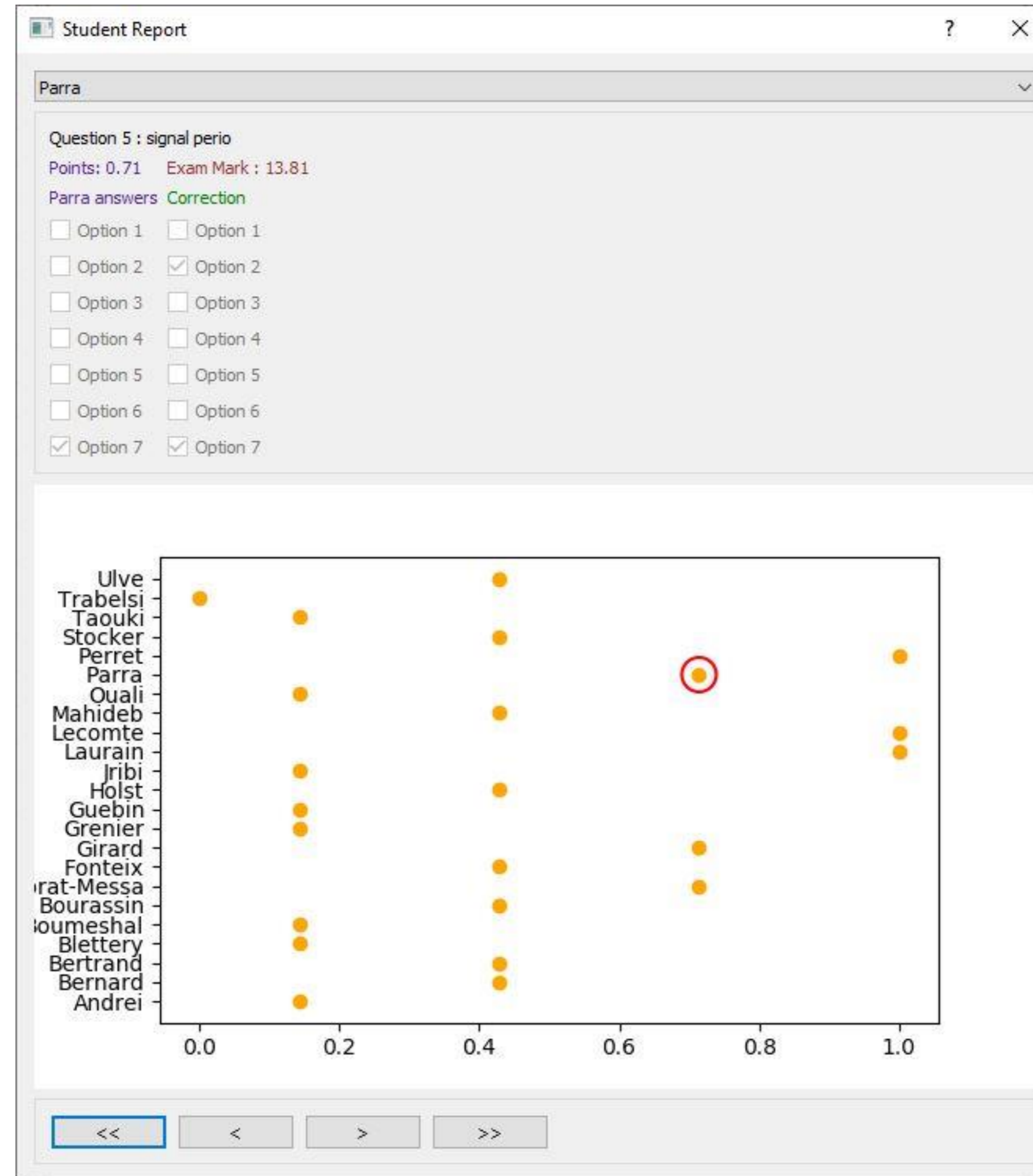
Questions Points * weights

Default value asked at the beginning

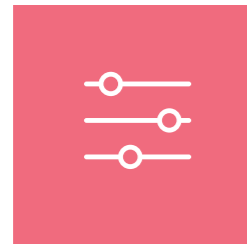
CHARTS



REPORT



CONCLUSION



We provide user-friendly tools

With these possibilities :

- Define logic language for coherence
- Charts to analyze the grades
- Change question's weight and update simultaneously the result
- Export the report



Tools developed with Python and PyQt5



Further improvements

**Thank you
for your
attention!**

