USER MANUAL

Plugin mod_league

Description of the functionality of the different plugin features

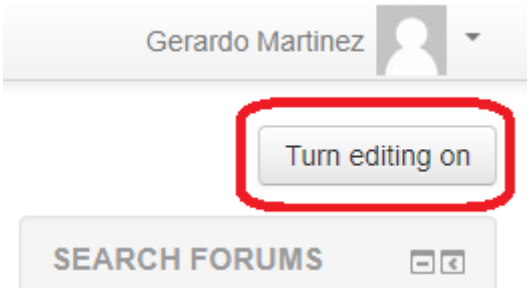
Miguel Romeral
miguelangel.garciar@edu.uah.es

Creation of the league 2
Create league 2
Edit the league 3
Teacher's Control Panel 4
Create exercises 5
Edit exercise 6
Remove exercise 6
Correct exercise attempts 7
View full qualifying 9
View individual grades 11
Student Control Panel 13
Upload attempt 13
See qualifying 14
View individual grades 15
Management of the League 16
Administrator settings 16
Backing up of the League 16
Restore League (from Back Up) 17
Manage permissions 19
Event logs 21

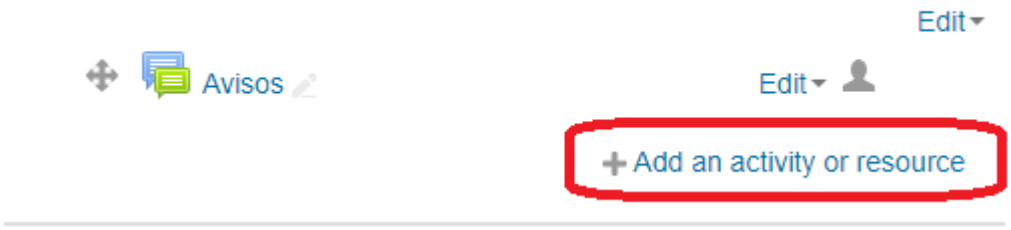
Creation of the league

Create league

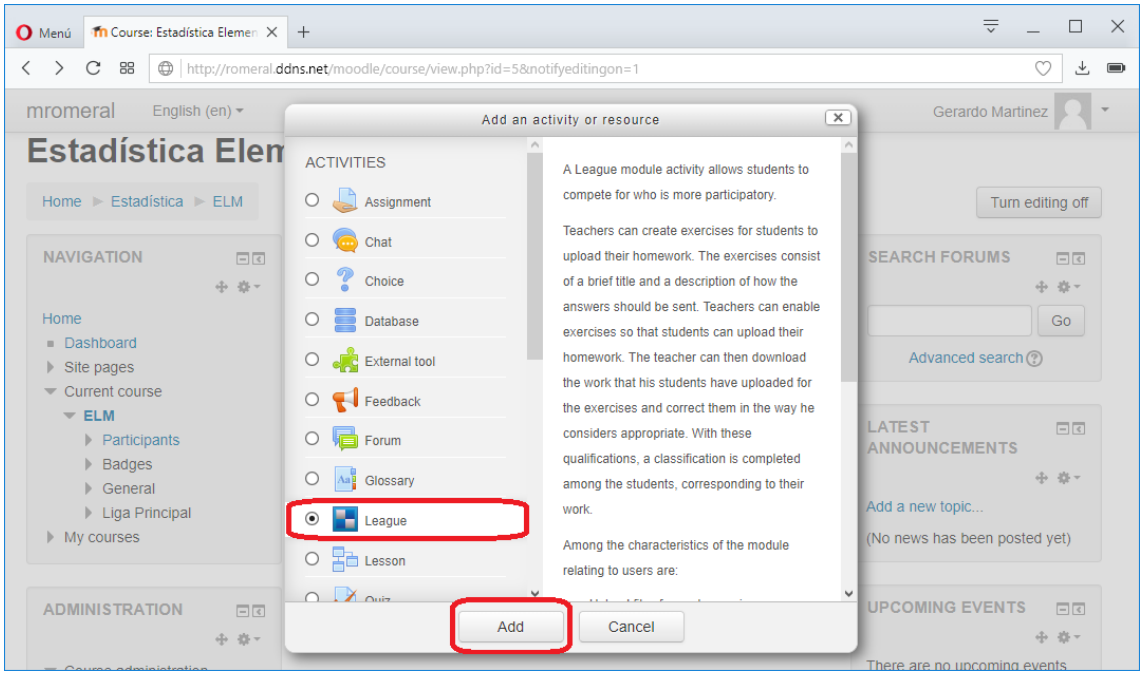
To create a league in any course, we must access with a role as an editing teacher (or a similar role that allows us to modify the course, as the administrator of the site). We go to the course and click on the **Turn editing on** button in the upper right corner.



Once we have done it, we will be able to edit any part of the course. We are heading to the exact topic in which you want to add the activity and a link appears just below *+ Add an activity or resource.*

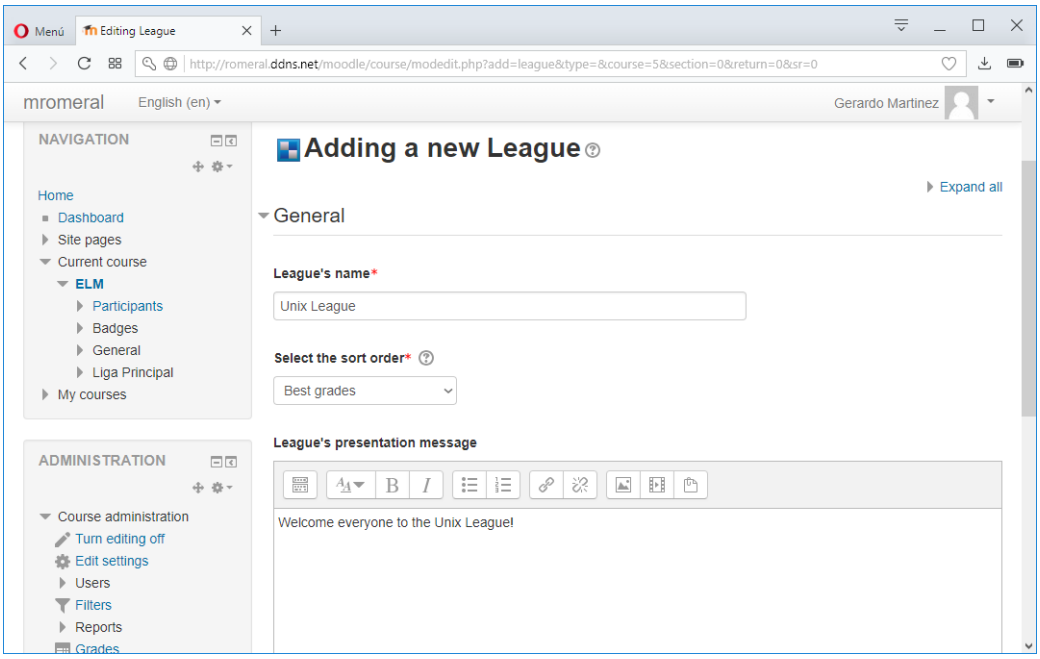


We click on the link and we see a list of options to choose. We look for the **League** activity in the list and click on *Add*.



When we click on it, a new page will appear requesting the data of the league, which are:

- **League's name**. The name of the activity which we will see in the course.
- **Sort order**. The way in which rating of the students' attempts will organize. You can choose among two options:
    - **Best grades**. This criterion rewards the brightest students. **It orders first by the highest global mark** (the sum of all the grades of all attempts). In case of a tie, it the best individual marks of each attempt and first place will be the higher individual mark than the other (if two students have the same global mark, 160, and one of them has 90 points as best grade, being another of 70, and the other one has 70 with two individual marks of 80, the first one will be placed as the first in the first position because his highest mark is higher than the other student's mark with 80.
    - **More exercises uploaded**. This criterion rewards the most participatory students. **It places as first to the students who have done more exercises**. In case of a tie, it selects the best total marks of each student and, if there is a draw again, it looks for the best individual grade as in the previous method.
- **Presentation message**. Welcome or descriptive message for the students of the course.

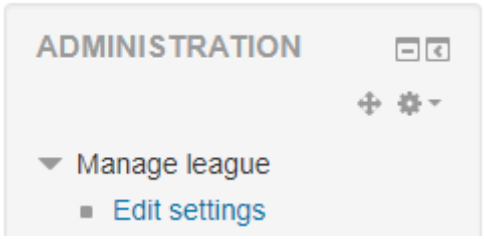


Once we have filled the fields properly, we will save the changes and then the users will can enter and use the activity.

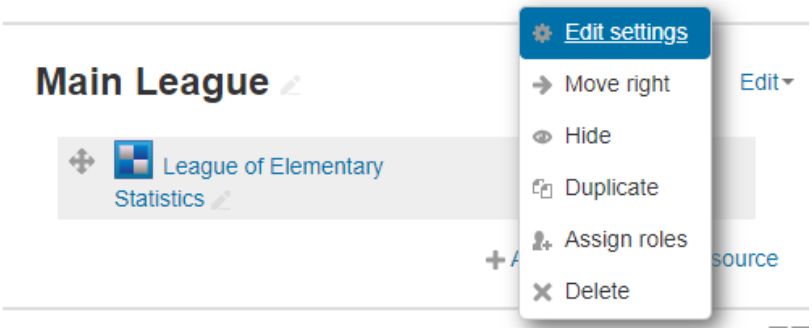
Edit the league

To modify an existing league, we can do it by two ways (as user with teacher-role):

- From the page of the League, go to the *Administration panel*, in the drop-down menu *Manage League*, we click on *Edit Settings*.



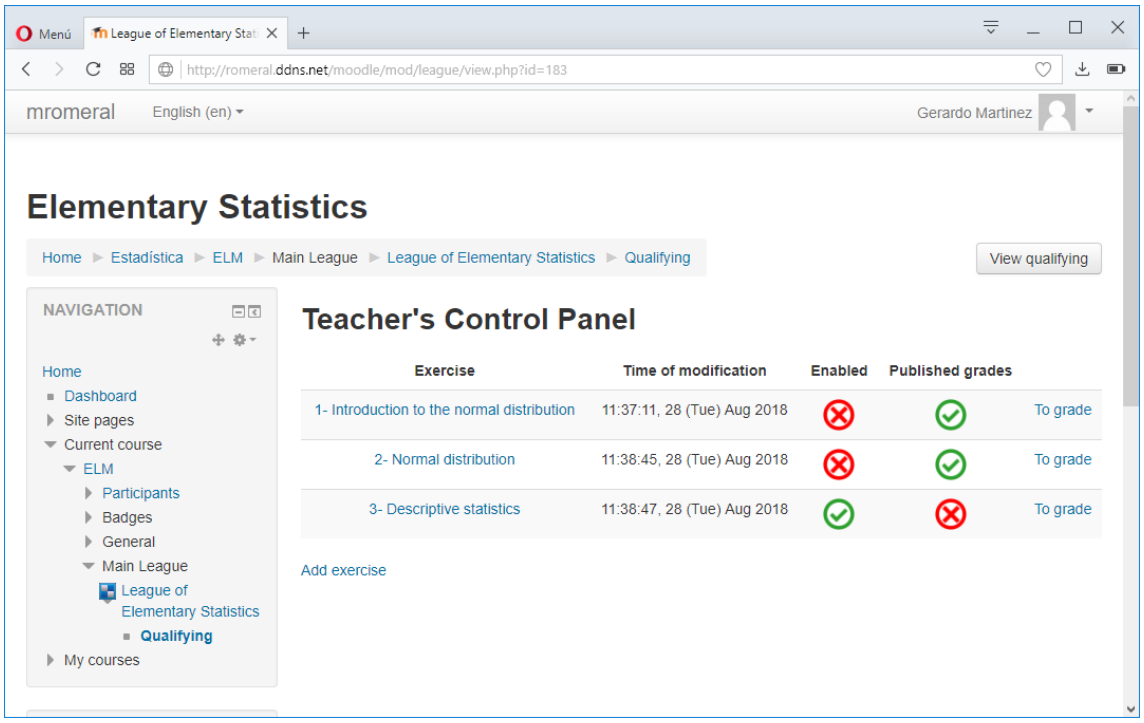
- From the main course page, having activated the course edition, in the row belonging to the league, click on the *Edit* link and the *Edit Settings* drop-down menu.



In this way, we access the editing page of the league, requesting the same fields as when creating a new league.

Teacher's Control Panel

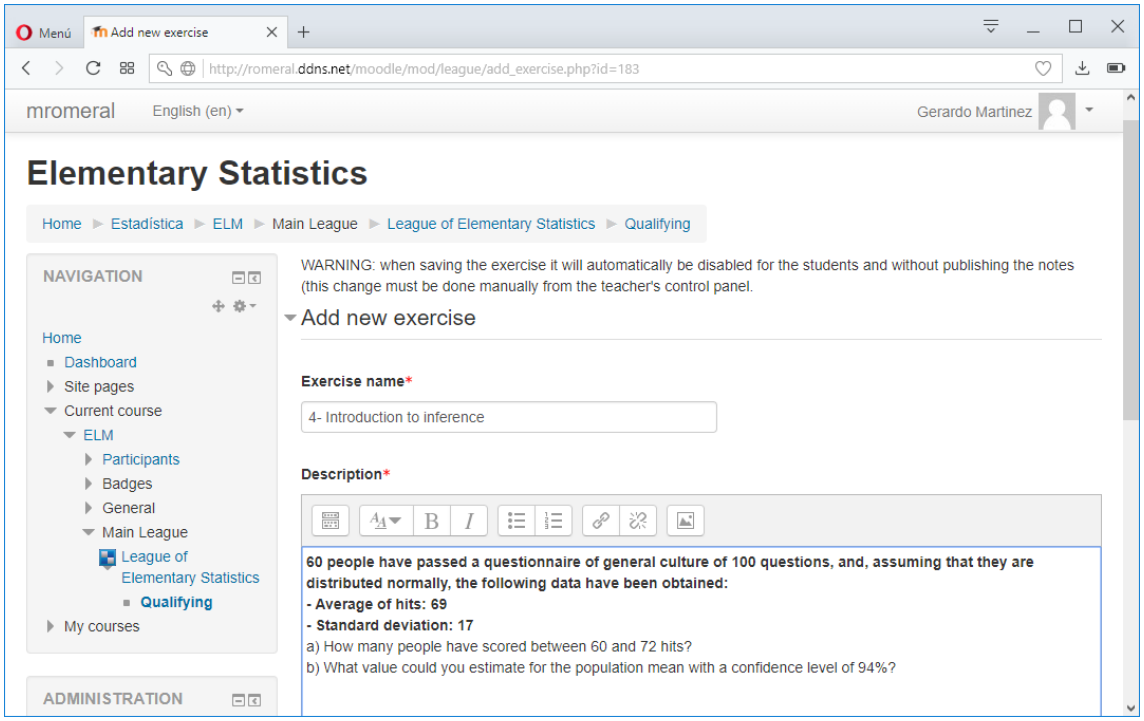
The **Teacher's control panel** will have the following appearance when you have exercises created:



Each row represents each exercise, indicating the last time it was modified, as well as whether it is enabled to send attempts on the part of the students or if they have published notes.

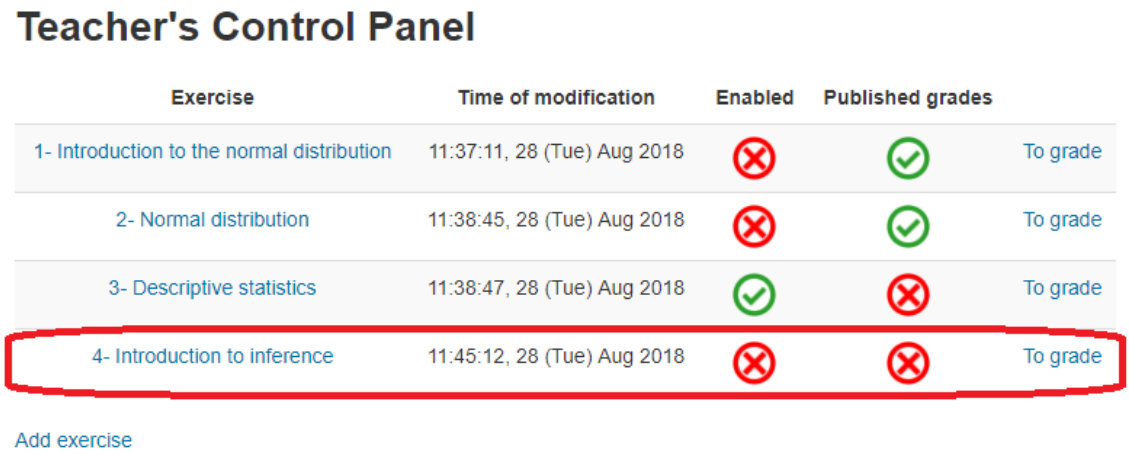
Create exercises

To create an exercise, in the teacher's control panel, we click in the ***Add exercise*** link which is in the left-down corner of the panel. In this way, we enter to a new page in which it asks us for the name of the exercise and its statement.



Once you have entered the exercise data, click on *Save changes*, returning to the teacher's control Panel.

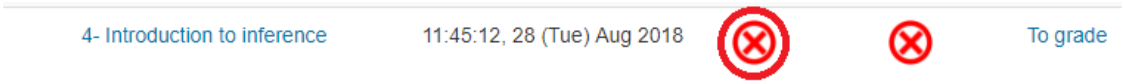
It is important to note that when you create an exercise, **it is automatically disabled, and grades are unpublished**. In this way, teachers will be able to review the statement of the exercise as many times as they want before that it will be showed to the students. So, they can, for example, enter all the exercises of the course at the beginning of it and enabling it when the theme of the course reaches the theme of the exercises.



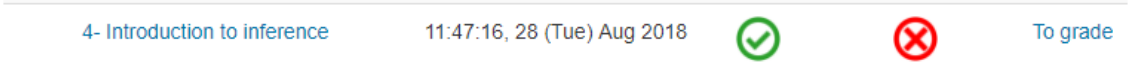
Edit exercise

To edit the name or statement of an exercise, in the teacher's control Panel, **click on the name of the exercise** and access the exercise modification page. There we can change both.

In addition, **for students to be able to submit attempts from the exercise, the teacher will have to enable it.** This is achieved by clicking on the icon with the red cross of the *Enabled* column which belongs to the row of the exercise to be enabled.

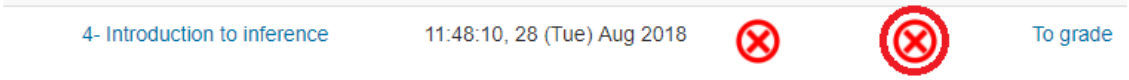


Once done, you will have a green icon, indicating that the students can see and upload their attempts.

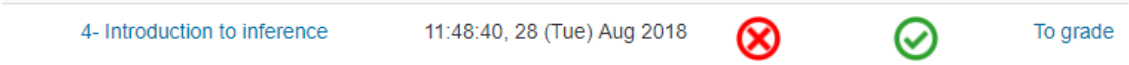


Enabled exercise for all course students. They can currently upload their attempts.

In the same way it happens with the publication of marks. **It is highly recommended that, before correcting the students' attempts, the teacher had disabled the exercise so that they are not able to raise new attempts.** Once the teacher had corrected all attempts, you can click the **Publish Marks** icon like the exercise enabled.



The way to disable or stop posting marks for an exercise will be by clicking on the green icon.

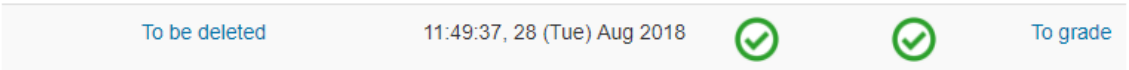


Grades published. Now the students can view their owns grades for this exercise.

Remove exercise

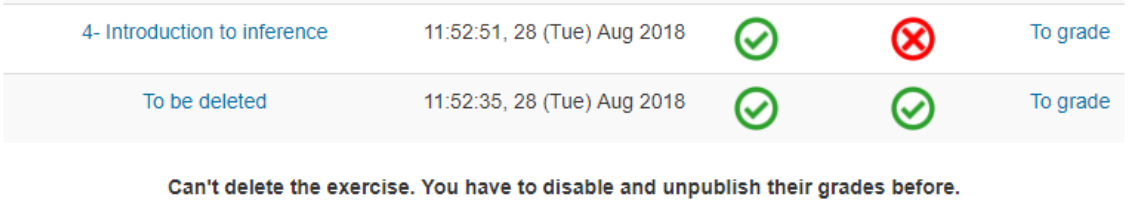
To remove an exercise, from the teacher's control panel, **we must first disable the exercise and stop posting the marks.**

This is a preventive measure to avoid the elimination of exercises that you do not want to eliminate. If we try to remove an exercise which does not meet these requirements, you will warn us that the deletion could not be carried out.

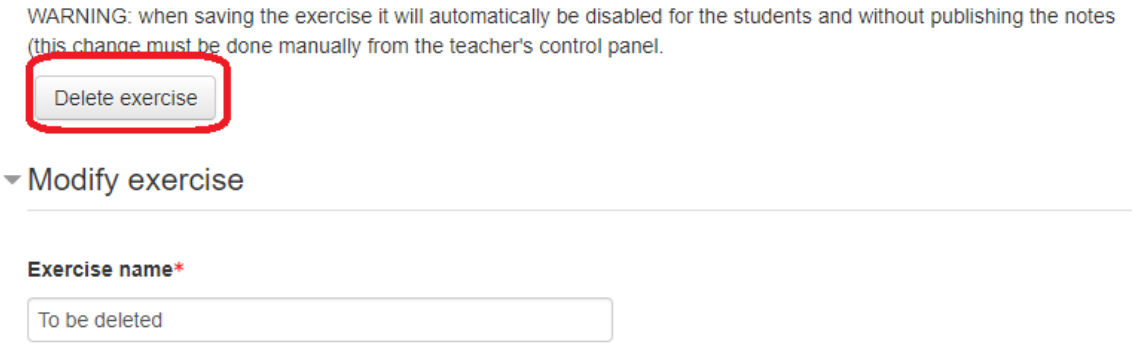


Can't delete the exercise. You have to disable and unpublish their grades before.

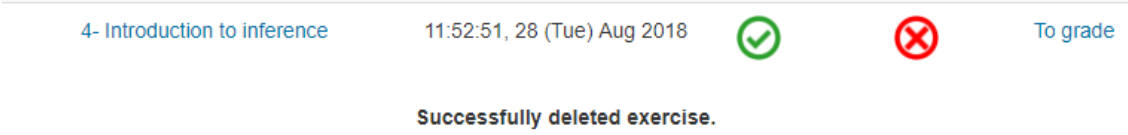
Once we have made sure that you meet these requirements, **click on the name of the exercise** and access the modification screen.



There we will see a button that says **Delete exercise** because it is a previously created exercise.

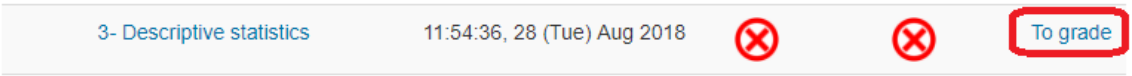


When we have clicked it, we will be redirected to the teacher's control panel with the updated league exercise list.

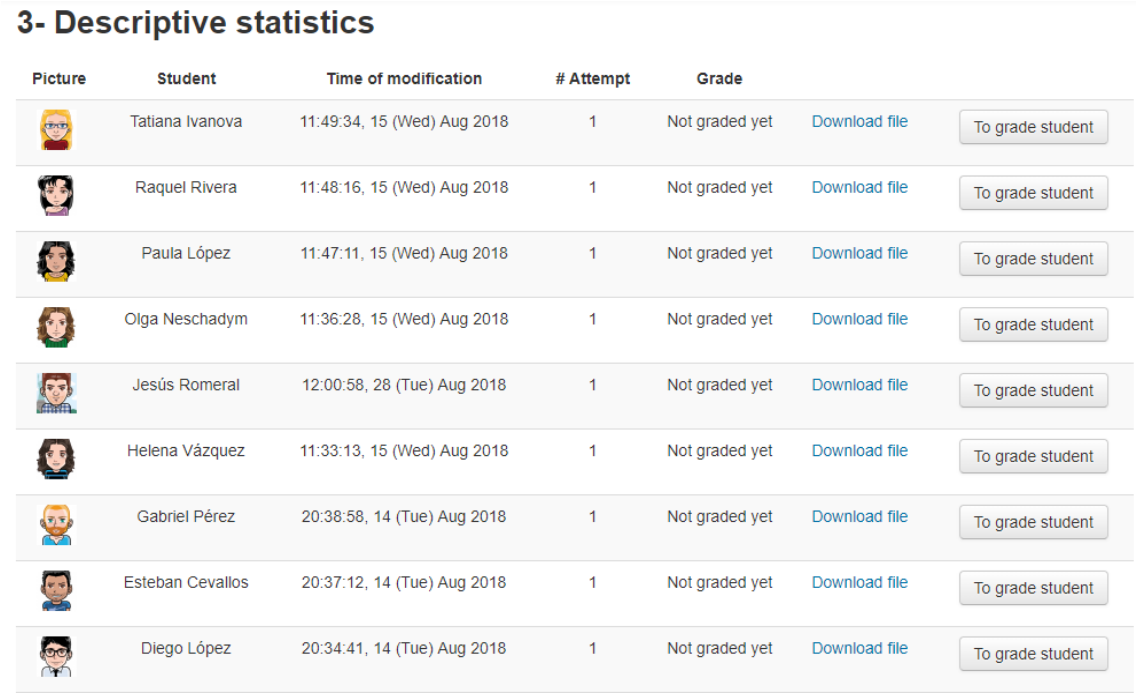


Correct exercise attempts

In the teacher's control Panel, we must click on the **To grade** link in the row belonging to the exercise that you want to correct.



Then all the attempts that the students have sent for that exercise will appear.



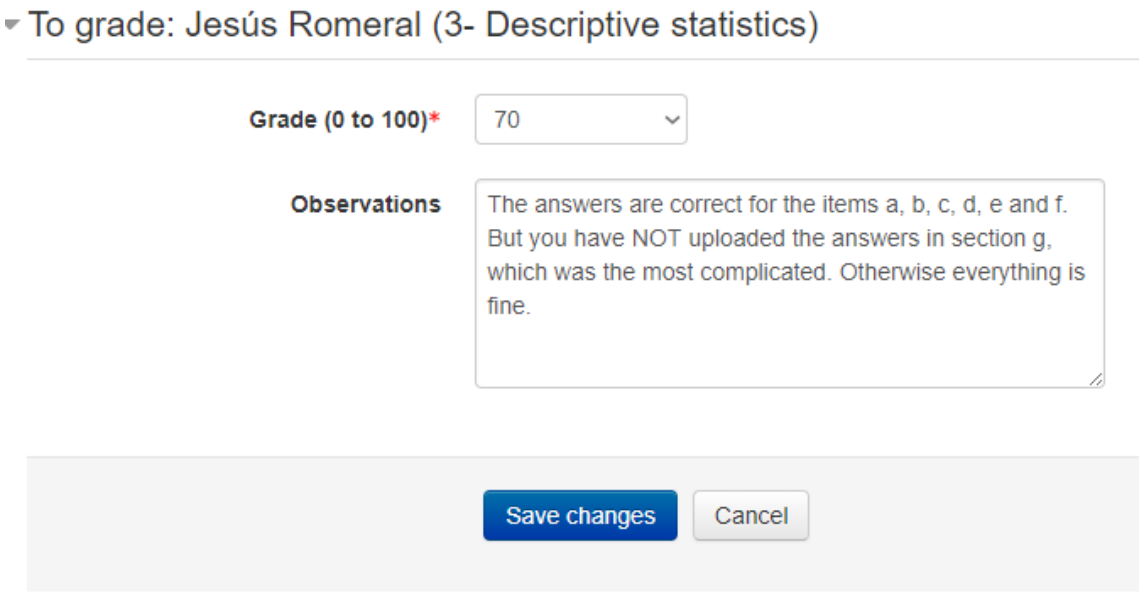
3- Descriptive statistics

Picture	Student	Time of modification	# Attempt	Grade		
	Tatiana Ivanova	11:49:34, 15 (Wed) Aug 2018	1	Not graded yet	Download file	To grade student
	Raquel Rivera	11:48:16, 15 (Wed) Aug 2018	1	Not graded yet	Download file	To grade student
	Paula López	11:47:11, 15 (Wed) Aug 2018	1	Not graded yet	Download file	To grade student
	Olga Neschadym	11:36:28, 15 (Wed) Aug 2018	1	Not graded yet	Download file	To grade student
	Jesús Romeral	12:00:58, 28 (Tue) Aug 2018	1	Not graded yet	Download file	To grade student
	Helena Vázquez	11:33:13, 15 (Wed) Aug 2018	1	Not graded yet	Download file	To grade student
	Gabriel Pérez	20:38:58, 14 (Tue) Aug 2018	1	Not graded yet	Download file	To grade student
	Esteban Cevallos	20:37:12, 14 (Tue) Aug 2018	1	Not graded yet	Download file	To grade student
	Diego López	20:34:41, 14 (Tue) Aug 2018	1	Not graded yet	Download file	To grade student

If you click on the ***Download file*** link of each of the attempts, we can download the content uploaded by the student with the answers to the exercise raised by the teacher.

Once the teacher has opened the file and, depending on the quality of the work raised by the student, he will establish a note for the attempt by clicking on the ***To grade student*** button.

A page will appear requesting the amount to rate the attempt from 0 to 100 and an auxiliary field in which the teacher will can write observations and comments about how to improve the student's work.



Once the changes are saved, the updated note will appear in the workout attempts list.

However, **the note will not yet be published for students until they are clicked on the *To publish marks* icon**. The students will see their notes as if they had no correction until then.

Exercise	Date of upload	File uploaded	Grade	Observations
3- Descriptive statistics	11:35:25, 15 (Wed) Aug 2018	Download file	Not graded yet	

When the *publish marks* icon is clicked, all students in the course will be able to see their qualifications for the intent of that exercise.

Exercise	Date of upload	File uploaded	Grade	Observations
3- Descriptive statistics	11:35:25, 15 (Wed) Aug 2018	Download file	70%	The answers are correct for the items a, b, c, d, e and f. But you have NOT uploaded the answers in section g, which was the most complicated. Otherwise everything is fine.

View full qualifying

The teachers also have access to see the rating with the data of the students since they can correct all the students. They will be able to place to each pupil in the position in which they are really. **Students will be able to see the current status of the qualifying, but the names of the other students will be hidden** by a hash function so that they cannot know who the names of the students around them are.

In addition, **teachers will be able to see two ratings**. One of them will also consider the exercises disabled and the notes still unpublished, while the other rating only considers the exercises that have published marks, which is the table that will see the students only, because of the teacher, the names of the students will not be hidden.

To be able to access the rating, we click on the ***Qualifying*** link that appears in the navigation panel.

The following table belongs to the global rating, *in a state in which not all students' attempts are corrected for an exercise and therefore the notes are not published.*

Qualifying

POS	Picture	Name	User	ID	TE	UE	Total	%	Tie-breaker
1		Raúl Calvo	rcalvo	14	4	3	264	66,00 %	
2		Jesús Romeral	jegarc	5	4	3	252	63,00 %	
3		Diego Carmena	dcarmena	11	4	3	221	55,25 %	
4		Ignacio Ribera	iribera	15	4	3	205	51,25 %	
5		Amy Watson	awatson	29	4	3	202	50,50 %	
6		Miguel Romeral	mromeral	28	4	3	195	48,75 %	
7		Diego López	dlopez	10	4	3	185	46,25 %	
8		Diana Lago	dlago	27	4	3	171	42,75 %	
9		Helena Vázquez	hvazquez	25	4	3	167	41,75 %	
10		Esteban Cevallos	ecevallos	13	4	3	156	39,00 %	

You can see that there are 4 exercises in total (TE), however the students have only uploaded attempts for 3 exercises (UE), since the last of them has not been enabled yet by the teacher.

To the teacher could see at any time the status of the table as the students see it, but with the full names of the students, another table is located just below the first.

Qualifying (view by students)

POS	Picture	Name	User	ID	TE	UE	Total	%	Tie-breaker
1		Raúl Calvo	rcalvo	14	3	3	264	88,00 %	
2		Jesús Romeral	jegarc	5	3	3	252	84,00 %	
3		Diego Carmena	dcarmena	11	3	3	221	73,67 %	
4		Ignacio Ribera	iribera	15	3	3	205	68,33 %	
5		Amy Watson	awatson	29	3	3	202	67,33 %	
6		Miguel Romeral	mromeral	28	3	3	195	65,00 %	
7		Diego López	dlopez	10	3	3	185	61,67 %	
8		Diana Lago	dlago	27	3	3	171	57,00 %	
9		Helena Vázquez	hvazquez	25	3	3	167	55,67 %	
10		Esteban Cevallos	ecevallos	13	3	3	156	52,00 %	

Here you can see that there are only two exercises in total (TE) and uploaded by the students (UE). However, in the previous one it indicated that the students had uploaded attempts for 3 different exercises. This is because this table does not take into account the exercises which marks are not published, and the data are not shown to the students

until they are definitive, because the teacher, in this example, is correcting the attempts pertaining to the third exercise.

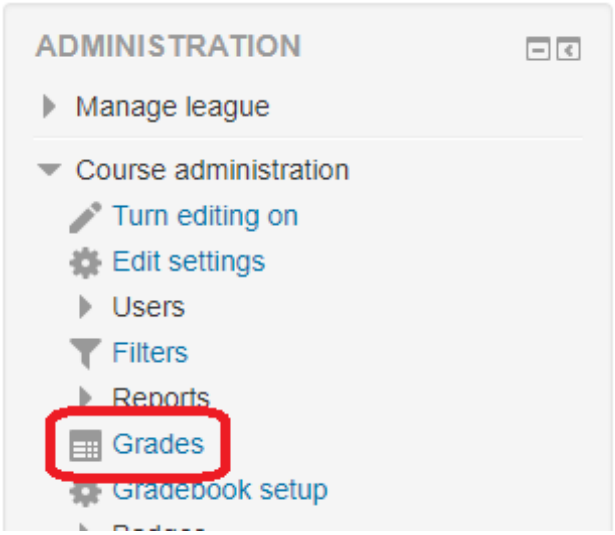
To see a comparison between the tables for teachers and for students, it is recommended to compare this qualifying (view by students) with which they really see, which is in the example of the caption **Student's control panel → See qualifying**.

View individual grades

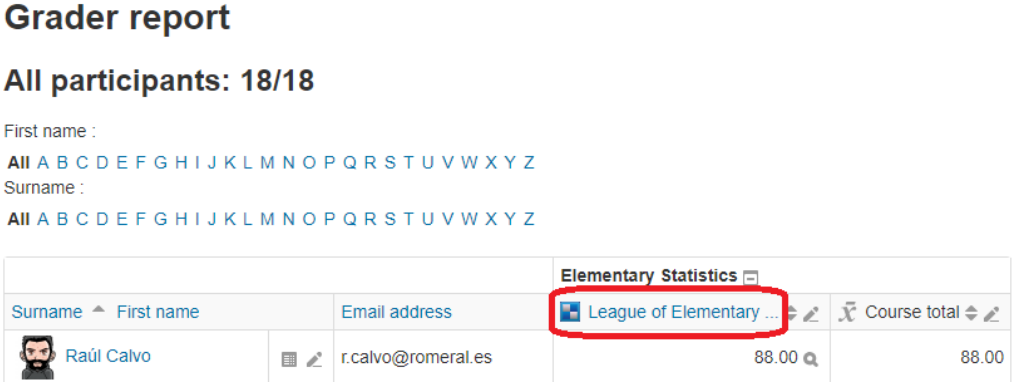
We have two options to view individual grades of each student:

- Click in the **Qualifying** link and then click with the right-superior button on **View individual grades** button.

- Once we are in the course, we go to the admin panel and, in *Course administration* submenu, click on **Grades**.



On that page, where we can see all the qualifications for each student, click on the name of the league that we want to see the individual notes.



Following either of these two methods, we get to the page with the individual notes.

Individual grades

Picture	Student	1- Introduction to the normal distribution	2- Normal distribution	3- Descriptive statistics
	Tatiana Ivanova	66 %	75 %	0 (Not graded yet)
	Sandra González	54 %	(Not done)	(Not done)
	Raúl Calvo	90 %	90 %	84 %
	Raquel Rivera	73 %	46 %	0 (Not graded yet)
	Paula López	67 %	58 %	0 (Not graded yet)
	Olga Neschadym	63 %	82 %	0 (Not graded yet)
	Miguel Romeral	65 %	80 %	50 %
	Jesús Romeral	82 %	100 %	70 %

If we click on any of the names of the exercises, we can order the students according to the note obtained in that exercise in ascending or descending order (we can also order the students alphabetically by clicking on *Student*).

Individual grades

Reset table preferences

Picture	Student	1- Introduction to the normal distribution	2- Normal distribution	3- Descriptive statistics
	Diego López	90 %	95 %	0 (Not graded yet)
	Raúl Calvo	90 %	90 %	84 %
	Esteban Cevallos	84 %	72 %	0 (Not graded yet)
	Jesús Romeral	82 %	100 %	70 %

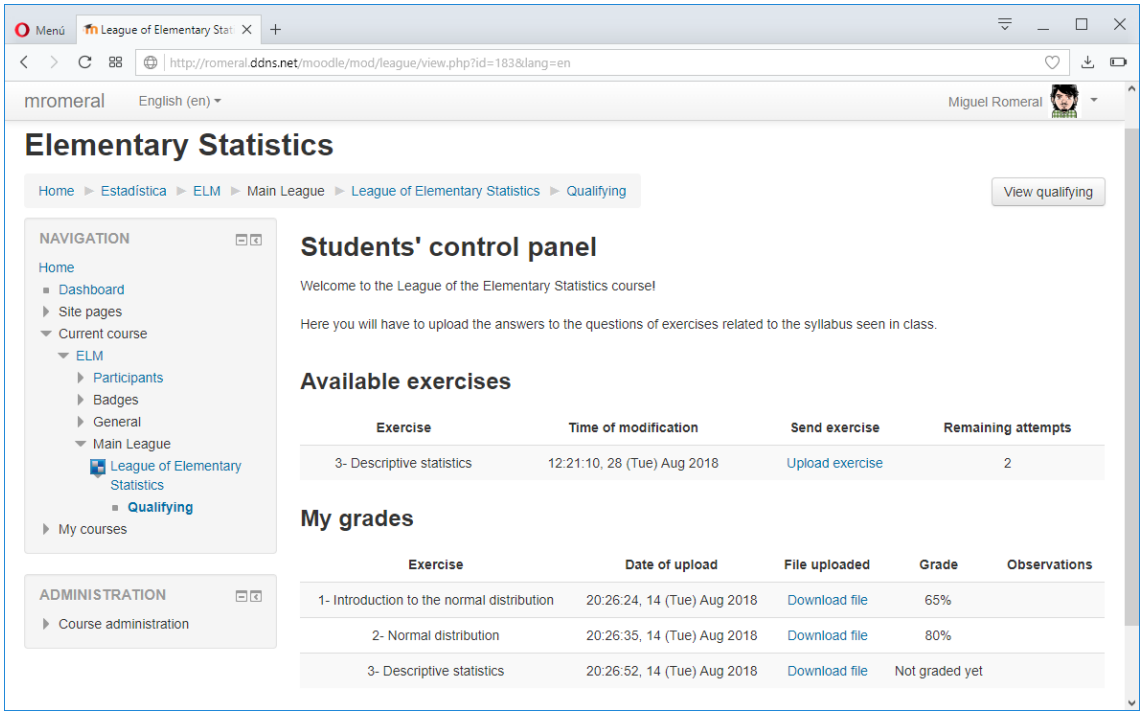
Individual grades

Reset table preferences

Picture	Student	1- Introduction to the normal distribution	2- Normal distribution	3- Descriptive statistics
	Sandra González	54 %	(Not done)	(Not done)
	Raquel Rivera	73 %	46 %	0 (Not graded yet)
	Diana Lago	63 %	50 %	58 %
	Irene Morgades	45 %	56 %	(Not done)

Student Control Panel

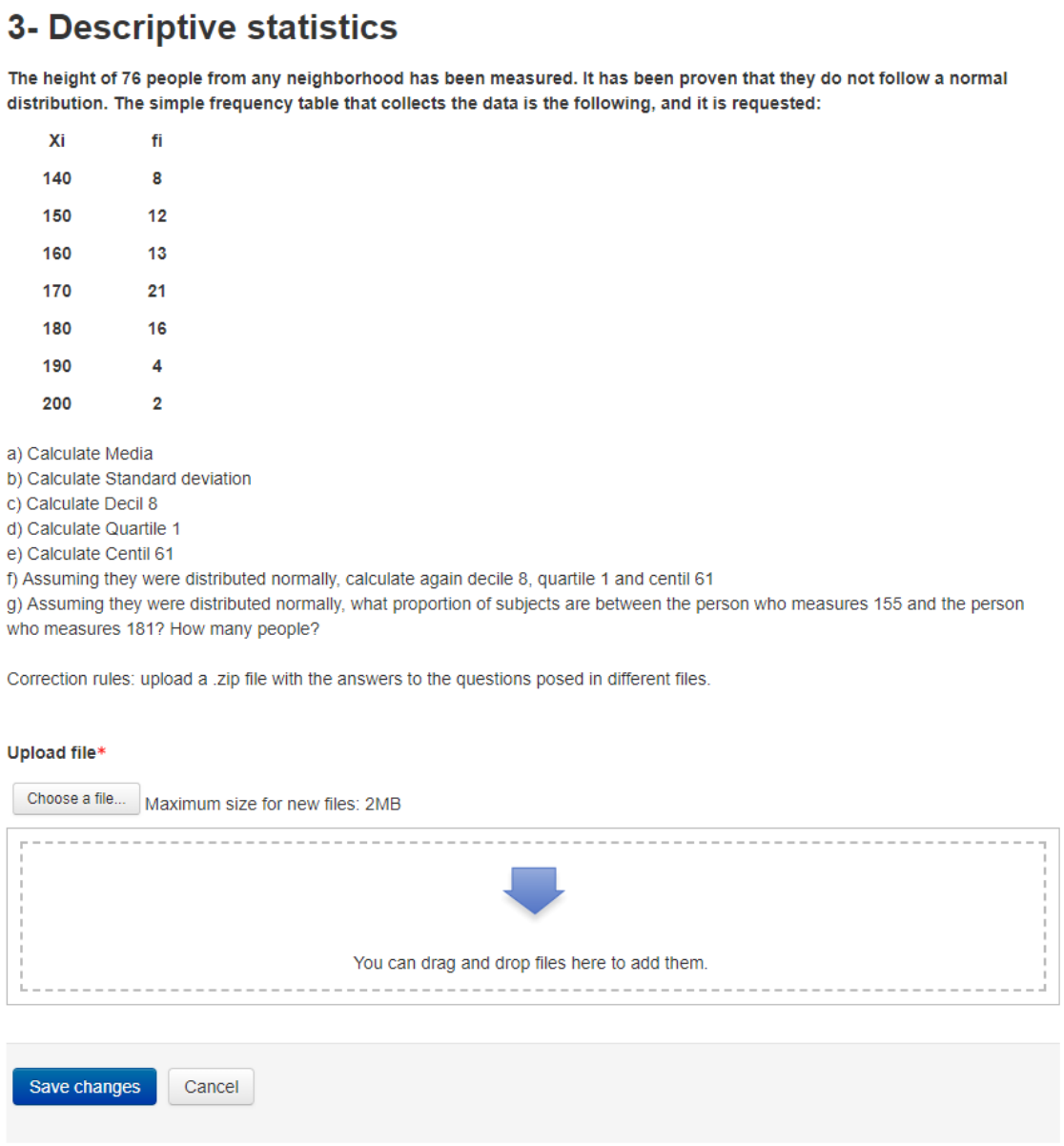
The *Student Control Panel* is visible when a student-role user accesses the activity of the league and it has the following appearance.



The presentation message set by the teacher appears. Below, we see the list of available exercises that you can send, and, in the end, the notes obtained for each exercise up to date.

Upload attempt

To upload a file belonging to an exercise, the student must access the *Upload exercise* link in the corresponding row.



3- Descriptive statistics

The height of 76 people from any neighborhood has been measured. It has been proven that they do not follow a normal distribution. The simple frequency table that collects the data is the following, and it is requested:

Xi	fi
140	8
150	12
160	13
170	21
180	16
190	4
200	2

a) Calculate Media
b) Calculate Standard deviation
c) Calculate Decil 8
d) Calculate Quartile 1
e) Calculate Centil 61
f) Assuming they were distributed normally, calculate again decile 8, quartile 1 and centil 61
g) Assuming they were distributed normally, what proportion of subjects are between the person who measures 155 and the person who measures 181? How many people?

Correction rules: upload a .zip file with the answers to the questions posed in different files.

Upload file*

Choose a file... Maximum size for new files: 2MB

You can drag and drop files here to add them.

Save changes Cancel

Then we access to a page in which we see the statement of the problem and after a form in which to upload the file that will make the attempt on the part of the student. When you click *Save changes*, **you will be deducted from a total attempt to be sent for that exercise.**

See qualifying

Users have access to view the table with their peers' marks, but **they will not be able to see their names** unless themselves. In this way, we manage to keep the privacy between the students of the course and the student who accesses the table can be easily identified.

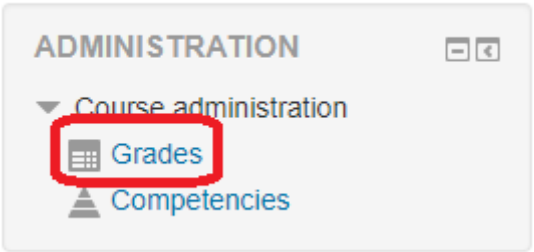
Jesús Romeral

Qualifying

POS	Hashed user	TE	UE	Total	%	Tie-breaker
1	bcad0bff0781e354e0383e68b6f75ba4	2	2	185	92,50 %	
2	Jesús Romeral	2	2	182	91,00 %	
3	aa0f578c99d35affda0275d0dd6df5cc	2	2	180	90,00 %	
4	ee5b45fbcc530099f569c371837ffaef	2	2	167	83,50 %	
5	a008ca7a62ceda30f04138dca16a2eba	2	2	158	79,00 %	
6	5306696d42c1cda01d06e6b8fe6cec48	2	2	156	78,00 %	
7	ecca898b858b47e3d15b267d07cf2979	2	2	145	72,50 %	Has a higher individual grade (82 > 80)
8	a8baaf23052bdd5c6f18d5897f30e8ee	2	2	145	72,50 %	
9	1468dfd85cc8c68d51cf53a938f6b29f	2	2	141	70,50 %	
10	5f5f677292771512a38736eb7a767dfe	2	2	136	68,00 %	
11	7fdd9b0bd64fd865cda3c022ca46abde	2	2	127	63,50 %	

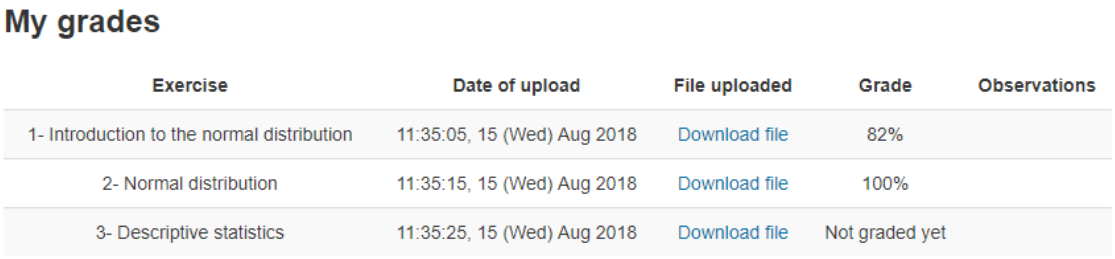
View individual grades

For the student could see their grades we only have to access the Student Control Panel, which shows the marks obtained for each attempt uploaded. However, you can also access the same information from the Management panel, in *Course administration*, by clicking on *Grades* and, once there, click on the name of the league.



User report - Jesús Romeral

Grade item	Calculated weight	Grade	Range	Percentage	Feedback	Contribution to course total
Elementary Statistics						
League of Elementary Statistics	100.00 %	91.00	0–100	91.00 %		91.00 %
Course total Simple weighted mean of grades.	-	**91.00**	**0–100**	**91.00 %**		-



My grades

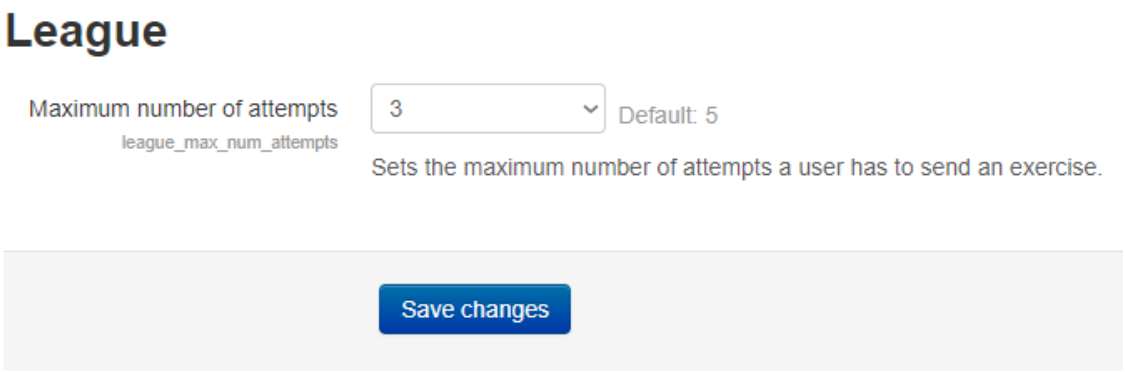
Exercise	Date of upload	File uploaded	Grade	Observations
1- Introduction to the normal distribution	11:35:05, 15 (Wed) Aug 2018	Download file	82%	
2- Normal distribution	11:35:15, 15 (Wed) Aug 2018	Download file	100%	
3- Descriptive statistics	11:35:25, 15 (Wed) Aug 2018	Download file	Not graded yet	

Management of the League

Here we will explain some of the usefulness's directed to the administrator of the course.

Administrator settings

The administrator of the Moodle site can configure some common parameters for all existing links in the site by accessing the plugin settings in the admin panel, clicking on *Site Administration*, *Plugins, Activity modules, League*.



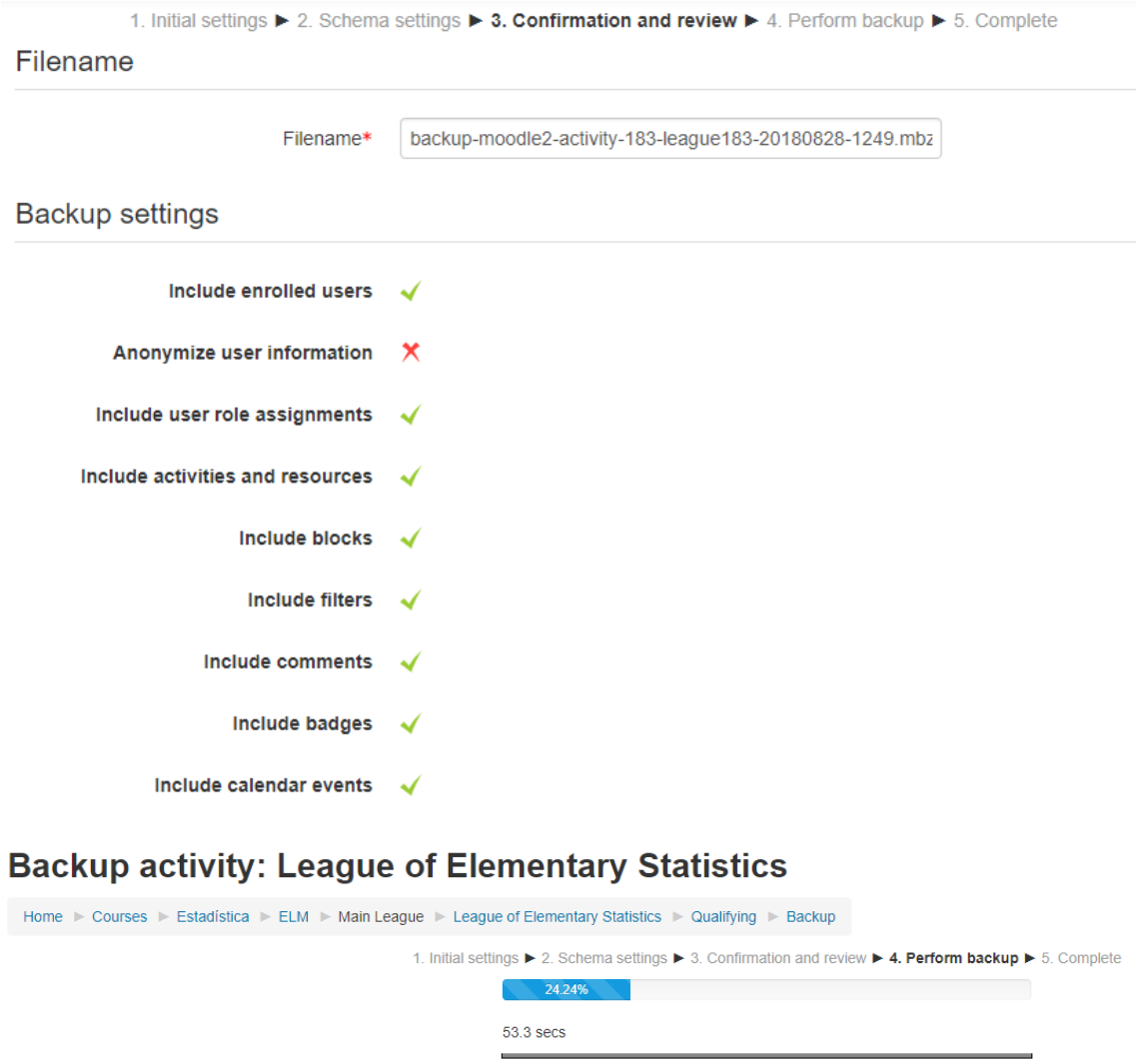
Backing up of the League

To make a backup, the user must have administrator permissions. So, the first step is to access the activity and, in the Administration panel, in *Manage League, Backup*. Then you will be shown some options about data that you want to save in the backup. Select the ones you consider appropriate. Some of the options include are the following:

Settings	Description
Include enrolled users	If selected, the attempts made by the students for all the exercises will be retained.
Include course logs	If selected, the records that occurred prior to the backup will be retained.
Include grade history	If selected, the change of ratings will be retained during pre-backup activity.

Once we have marked the corresponding options, click on *Next*. Then we will see an option to include the league itself, so we mark it.

After that, we will see a page asking us to confirm the selected options. When we're sure, click on *Run Back Up*.



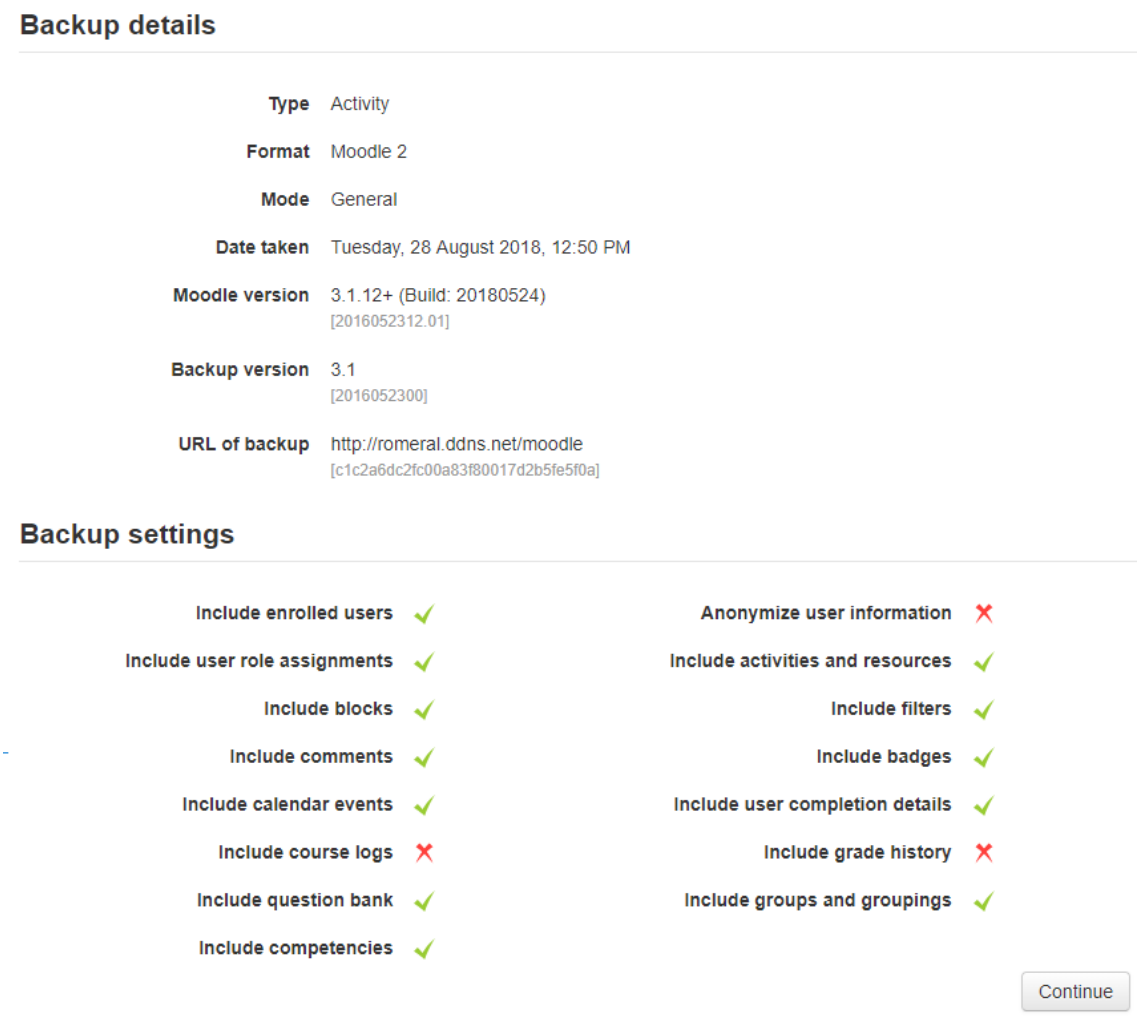
After a few moments, depending on the weight of the files of the league, we will have done the backup, in order to be restored in the future.

Restore League (from Back Up)

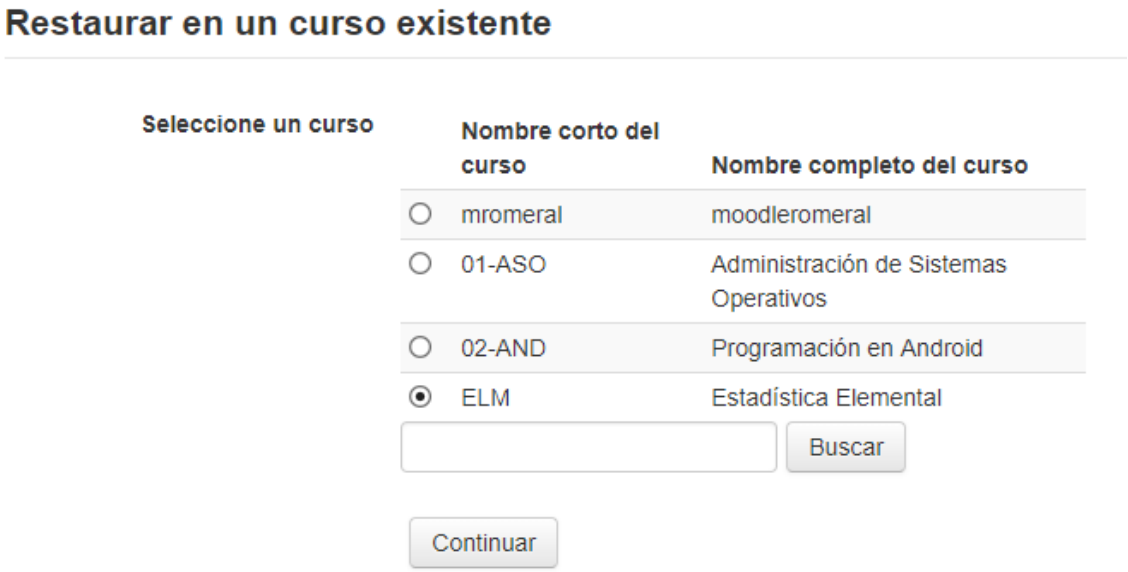
To perform a restore, the user must have administrator permissions. We access the restore from the administration panel, in *Manage league, Restore*.

We will request a file to be able to import the backup. This must have been done beforehand. Sometimes, if we are in the same league where the backup was made (and not in any other league instance), we will see a list of other generated backups. Once we have selected the file, click *Restore*.

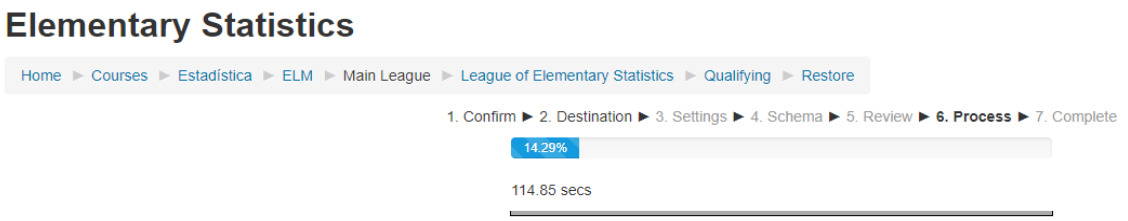
Then we will see the configuration parameters pertaining to the backup, as well as the details of this one. Then we press on *Continue*.



Next, you will ask us to indicate the course in which the restored copy will be created.



After clicking on *Continue*, we will have to specify the options that we want to be restored from the backup of the course and click *Next*. A summary of the options that we have decided to include will appear and then we move on to the creation of the restore with *Run restore*.

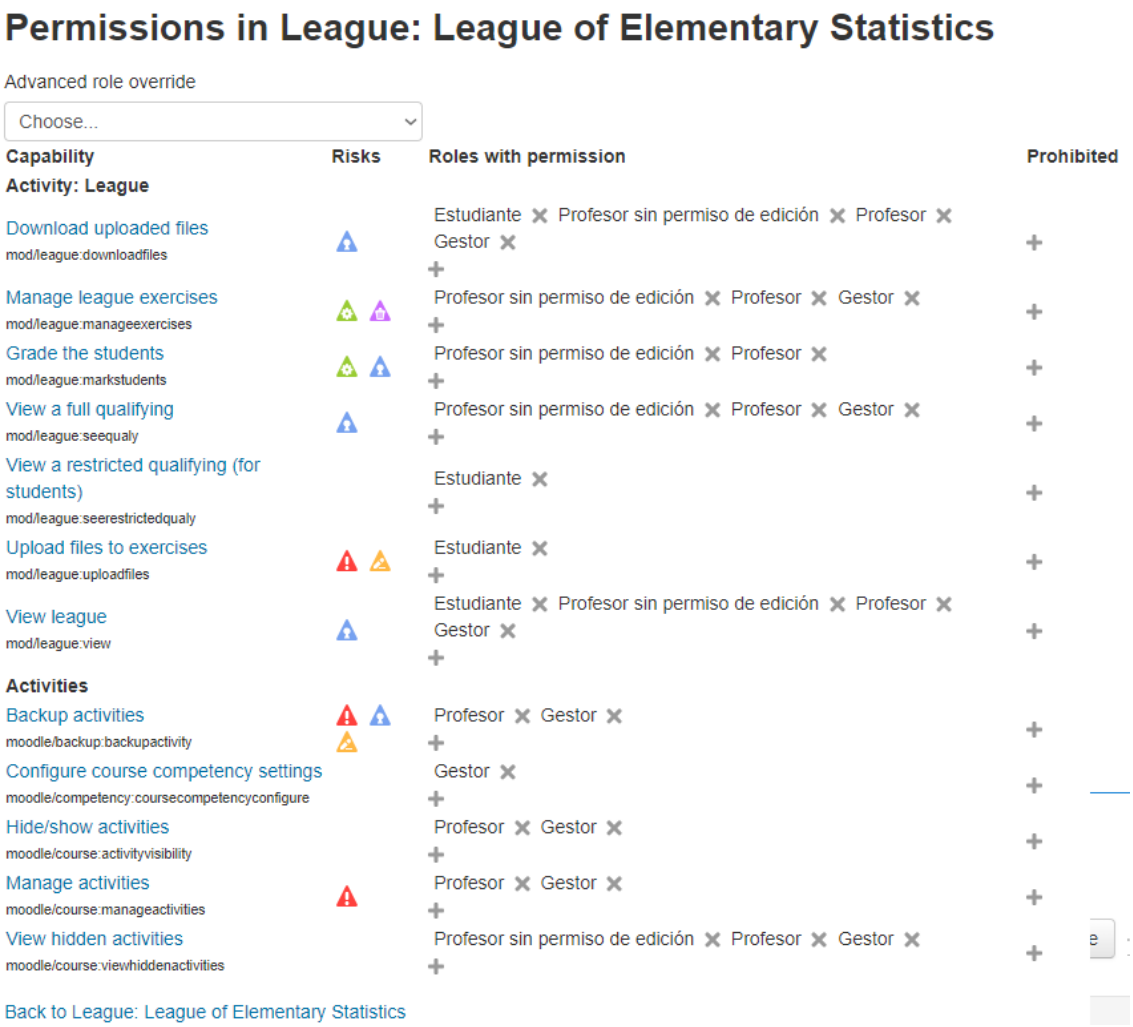


At the end, we will have a copy of the league in the course we decided to create it.

Manage permissions

The league provides different functionalities depending on the roles a user has for a course. However, not all Moodle sites have the same range of roles, since some more sophisticated Moodle sites can have a lot of roles with very subtle differences between them. That's why, when you create a league, you must manage permissions to prevent certain users from accessing content that you should not be allowed to access.

Permissions can be managed by accessing, from the Administration panel, in *Manage League*, ***Permissions***. A list will appear as follows:

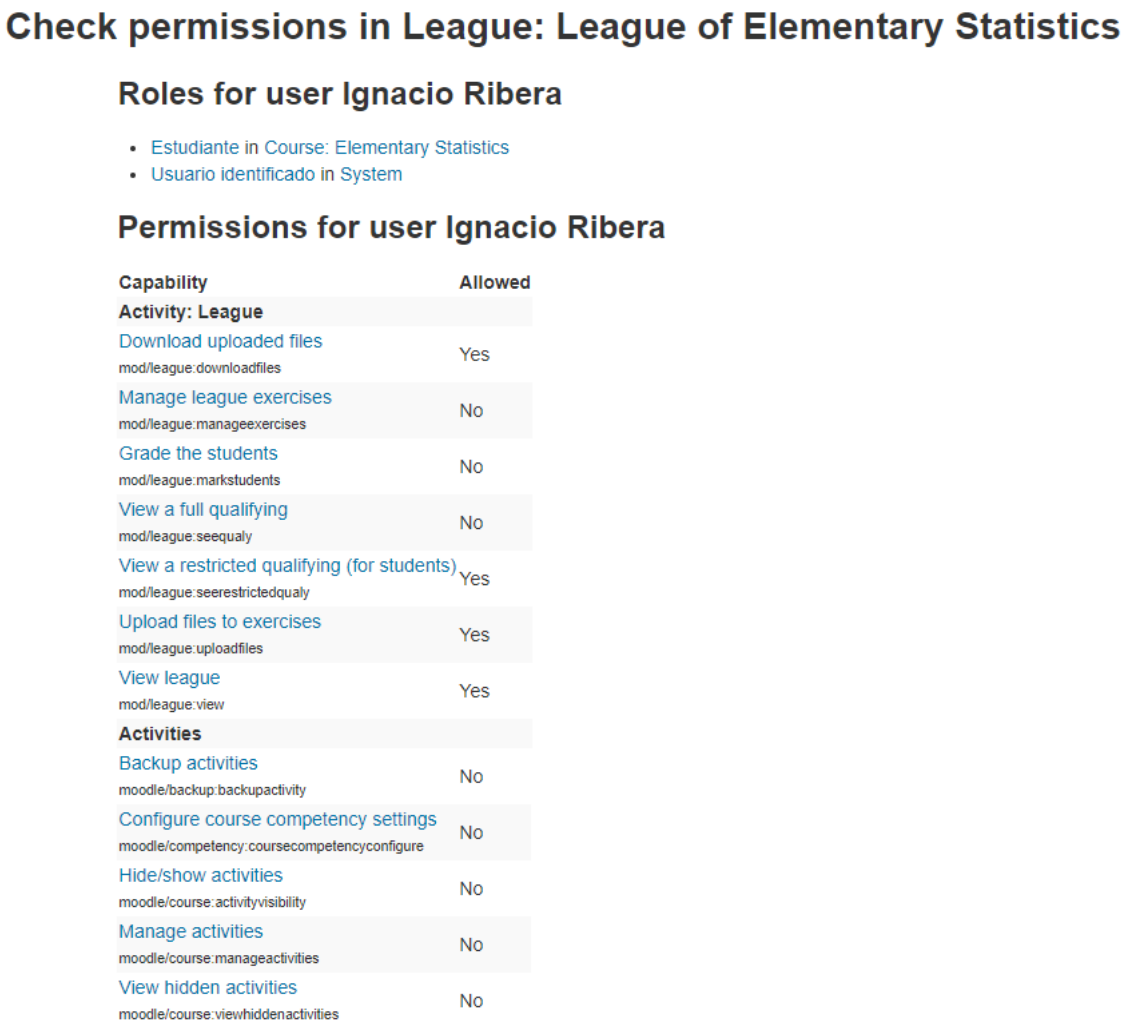


It is strongly recommended that the permissions be as close as possible to those listed on that list, otherwise serious security problems may occur.

Each of the permissions is briefly described below:

Capacity	Description	Recommended roles
View league	It allows users to see the league. Without it, you will not be able to access any of the plugin pages.	All those who participate in the league (teachers, students, etc.).
Manage league exercises	It allows you to create exercises, modify them, delete them, enable them for students to send their attempts or publish the notes.	Professors and administrators and under no circumstances students.
View a full qualifying	It allows to see the classification of the league in complete form, i.e. with the data of all the students without restrictions.	Professors and people in charge of the league and under no circumstances students.
View a restricted qualifying (for students)	It allows you to view the classification with the hidden data (for example, the user IDs would not appear, and their names would be hidden by a hash function to avoid snitching them).	Students to send their attempts to the exercises and compete in the league.
Download uploaded files	It allows to download the files belonging to the attempts that the students raise.	Teachers in charge of correcting the tasks of the students and the students themselves (so that their own work can be lowered).
Upload files to exercises	It allows to upload files to the Moodle site (corresponding to the attempts for the exercises).	Students who send their attempts.
Grade students	It allows students to qualify their attempts.	Teachers in charge of the league and under no circumstances students.

In addition, you can check the permissions of each user in the *Check Permissions* option within *Manage league*, which will show us the permissions that the user has chosen from the list of enrolled in the course.



Check permissions in League: League of Elementary Statistics

Roles for user Ignacio Ribera

- Estudiante in Course: Elementary Statistics
- Usuario identificado in System

Permissions for user Ignacio Ribera

Capability	Allowed
Activity: League	
Download uploaded files mod/league:downloadfiles	Yes
Manage league exercises mod/league:manageexercises	No
Grade the students mod/league:markstudents	No
View a full qualifying mod/league:seequaly	No
View a restricted qualifying (for students) mod/league:seerestrictedqualy	Yes
Upload files to exercises mod/league:uploadfiles	Yes
View league mod/league:view	Yes
Activities	
Backup activities moodle/backup:backupactivity	No
Configure course competency settings moodle/competency:coursecompetencyconfigure	No
Hide/show activities moodle/course:activityvisibility	No
Manage activities moodle/course:manageactivities	No
View hidden activities moodle/course:viewhiddenactivities	No

Event logs

The course manager will be able to see the events in the league, such as the creation, modification or elimination of an exercise or the sending, downloading and qualification of a pupil's attempt among others.

To access the event log, having entered the league previously, we must go to the admin panel, *Manage League,* ***Logs***.

There we find a table with the events that have taken place, being able to show all in a list or to be filtered by the date, by the type of action or by the level of training among other criteria.

Page: (Previous) 1 2 3 (Next)

Time	User full name	Affected user	Event context	Component	Event name	Description	Origin	IP address
15 Aug, 15:04	Gerardo Martinez	Raquel Rivera	League: League of Elementary Statistics	League	Attempt graded	The user with id '4' updated an attempt with id '49' with a mark of '73' for exercise with id '4' with course module id '183'.	web	192.168.1.1
15 Aug, 15:04	Gerardo Martinez	Paula López	League: League of Elementary Statistics	League	Attempt graded	The user with id '4' updated an attempt with id '46' with a mark of '67' for exercise with id '4' with course module id '183'.	web	192.168.1.1
15 Aug, 15:04	Gerardo Martinez	Olga Neschadym	League: League of Elementary Statistics	League	Attempt graded	The user with id '4' updated an attempt with id '43' with a mark of '63' for exercise with id '4' with course module id '183'.	web	192.168.1.1
15 Aug, 15:03	Gerardo Martinez	Jesús Vázquez	League: League of Elementary Statistics	League	Attempt graded	The user with id '4' updated an attempt with id '34' with a mark of '72' for exercise with id '4' with course module id '183'.	web	192.168.1.1
15 Aug, 15:03	Gerardo Martinez	Helena Vázquez	League: League of Elementary Statistics	League	Attempt downloaded	The user with id '4' downloaded an attempt with id '34' for the exercise with id '4' in the league with 'id '5' with course module id '183'.	web	192.168.1.1
15 Aug, 15:03	Gerardo Martinez	Gabriel Pérez	League: League of Elementary Statistics	League	Attempt graded	The user with id '4' updated an attempt with id '31' with a mark of '56' for exercise with id '4' with course module id '183'.	web	192.168.1.1
15 Aug, 15:03	Gerardo Martinez	Esteban Cevallos	League: League of Elementary Statistics	League	Attempt graded	The user with id '4' updated an attempt with id '28' with a mark of '84' for exercise with id '4' with course module id '183'.	web	192.168.1.1