QUESTIONNAIRE

57 risposte

Pubblica i dati di analisi

1.1 PhD cycle
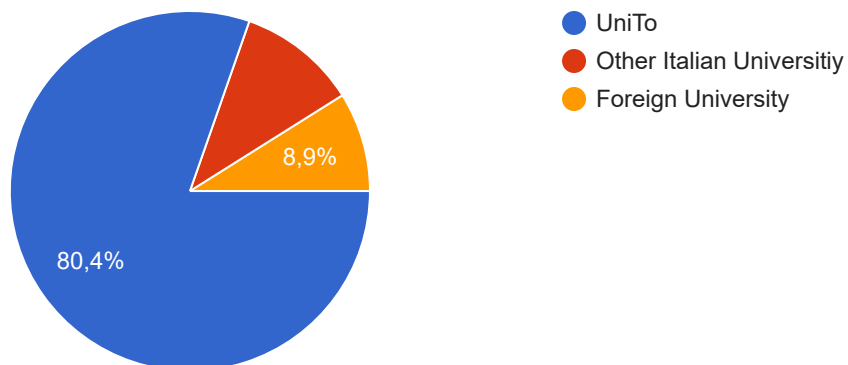
Copia

57 risposte

- 37
- 37 PON
- 38
- 38 PNRR
- Upo
- 38 IUSS Pavia
- 38 sustnet
- 38 FH&L

29,8% · 22,8% · 12,3% · 26,3%
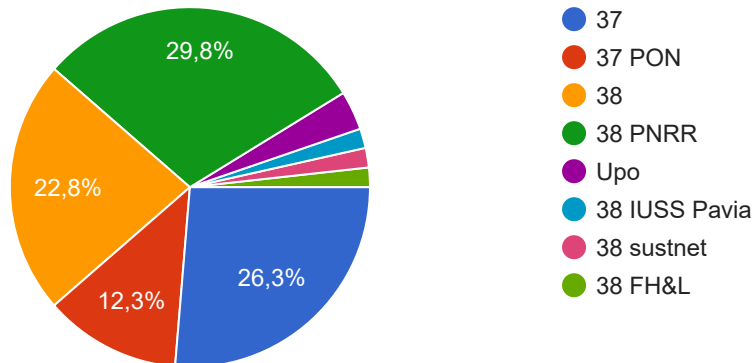
1.2 Graduated in what University?

Copia

56 risposte

- UniTo
- Other Italian Universitiy
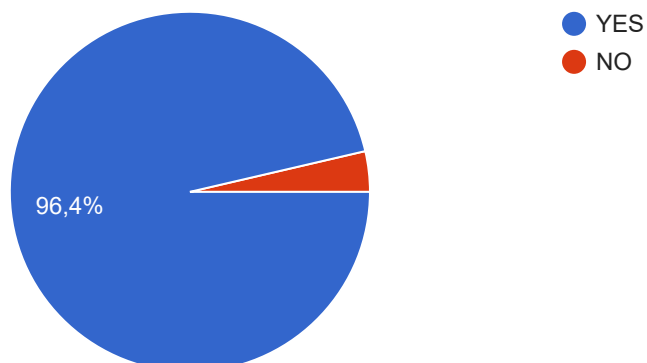- Foreign University

80,4% · 8,9%

1.3 - Did you receive a PhD scholarship?

Copia

55 risposte

- YES
- NO

96,4%

1.4 - Do you have an occupation during your PhD or Apprenticeship PhD or Industrial PhD?

56 risposte

- YES
- NO

89,3%

10,7%
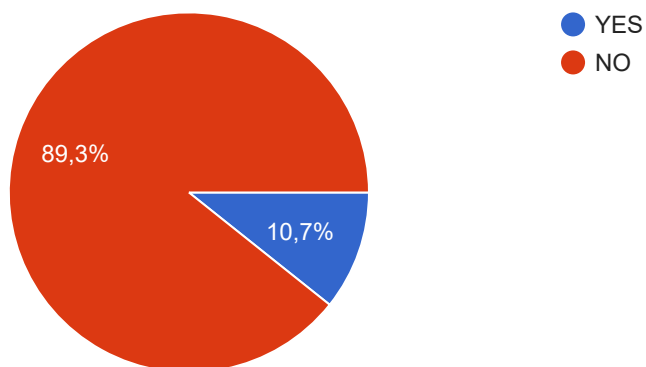
1.4.1 - If you have an occupation during your PhD or Apprenticeship PhD or Industrial PhD, please specify

5 risposte

Instructor of martial arts

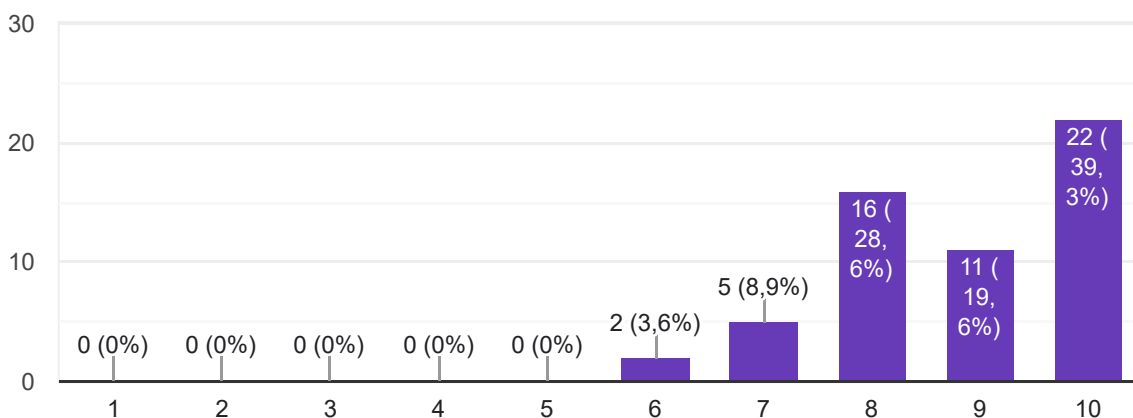Employed in a Research Centre (Working group entomology)

technician

Barlady

Study director - Field trialist

2.1.1 - Did you decide to enroll in a PhD course for improving your cultural and scientific training?
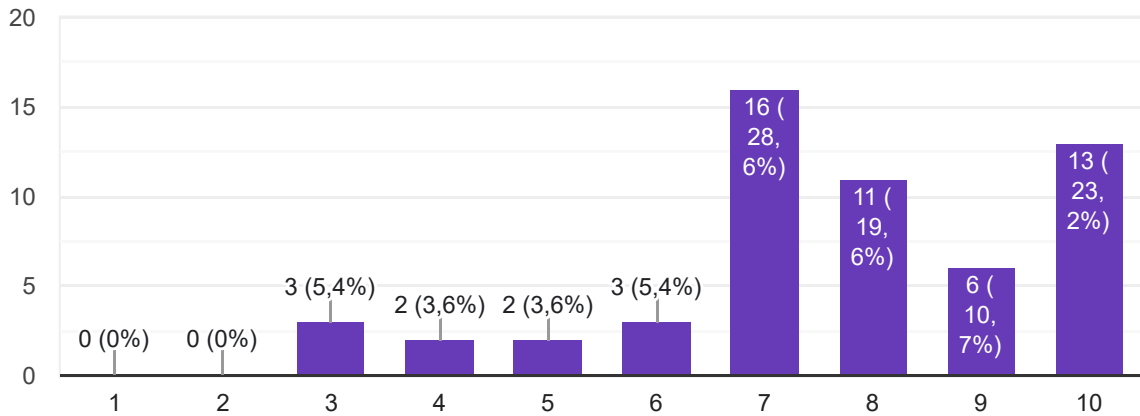
56 risposte

1	2	3	4	5	6	7	8	9	10
0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	2 (3,6%)	5 (8,9%)	16 (28,6%)	11 (19,6%)	22 (39,3%)

2.1.2 - Did you decide to enroll in a PhD course for getting prepared for an academic and research career?
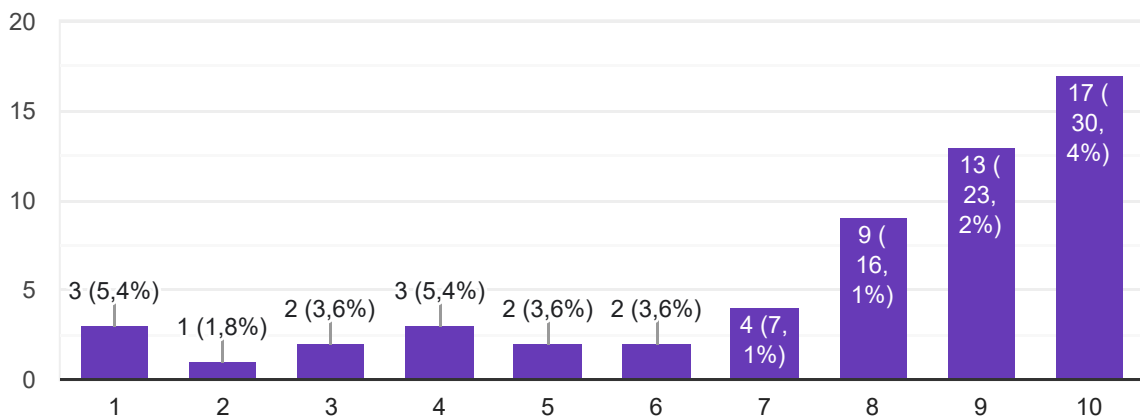
☐ Copia

56 risposte

2.1.3 - Did you decide to enroll in a PhD course for getting prepared for improving your possibility of finding work?
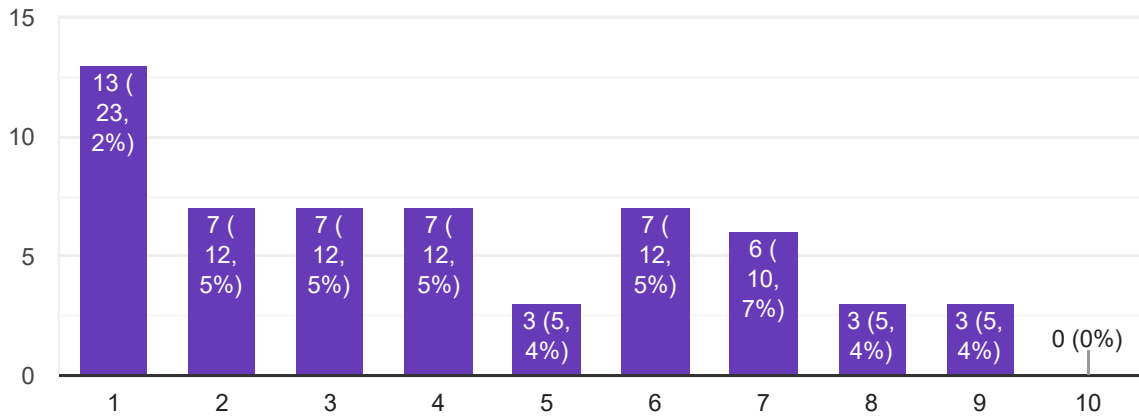
☐ Copia

56 risposte

2.1.4 - Did you decide to enroll in a PhD course because there were no other satisfactory proposals?

Copia

56 risposte

2.1.5 - If any of the above alternatives does not fit, for what reason did you decide to enroll in a PhD course?

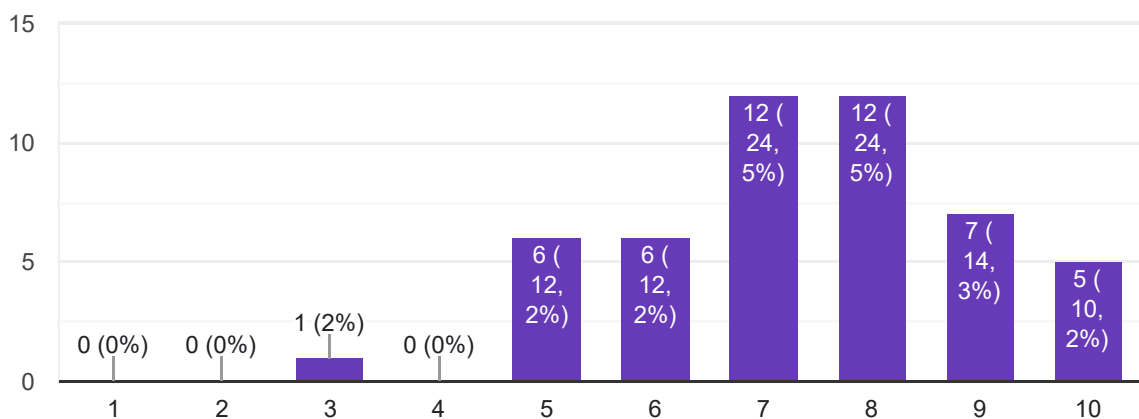3 risposte

For improve my knowledge

I have a research issue arise from 2014, concerning camel and the research approach will solve it.

to try the experience

3.1 - The educational offer of common compulsory courses is useful
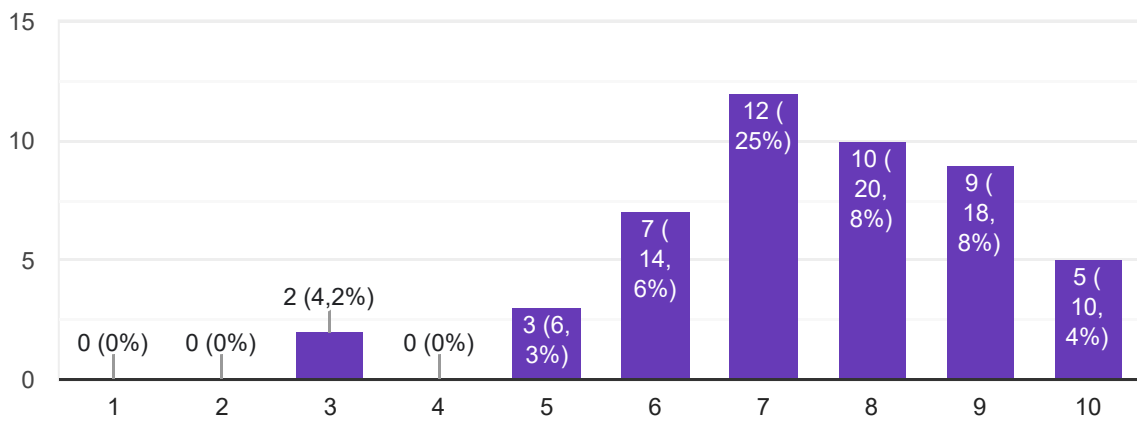
Copia

49 risposte

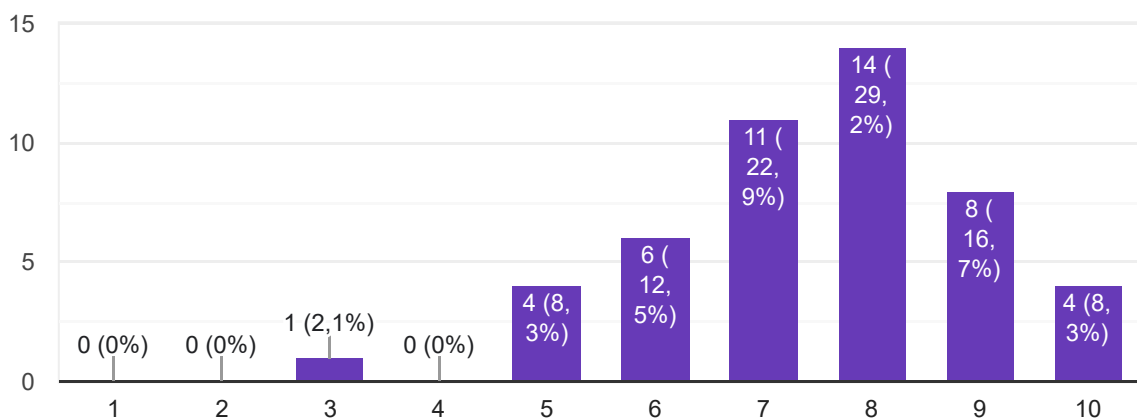## 3.2 - The compulsory courses are well conducted

Copia

48 risposte

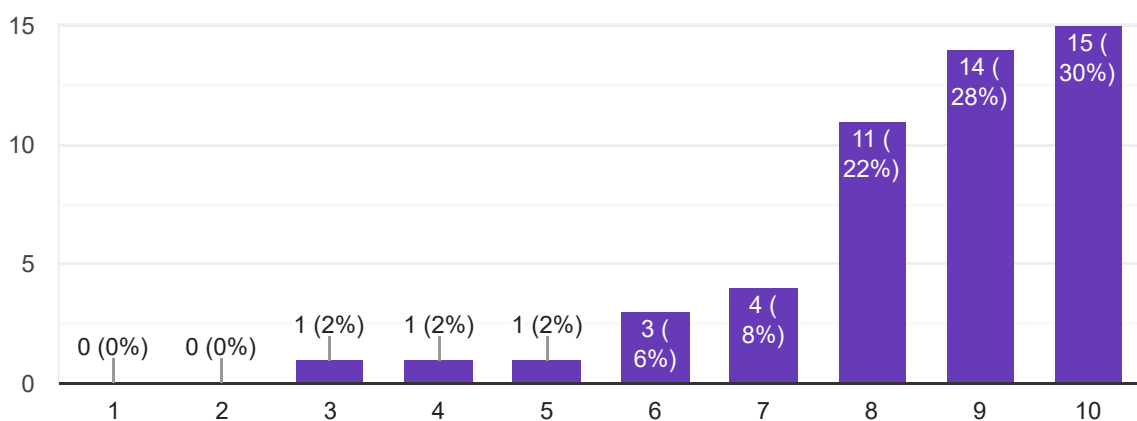## 3.3 - The teaching material is of good quality

Copia

48 risposte

3.4 - The news regarding the courses (start of lessons, changes in dates/classrooms, programmes) are adequate
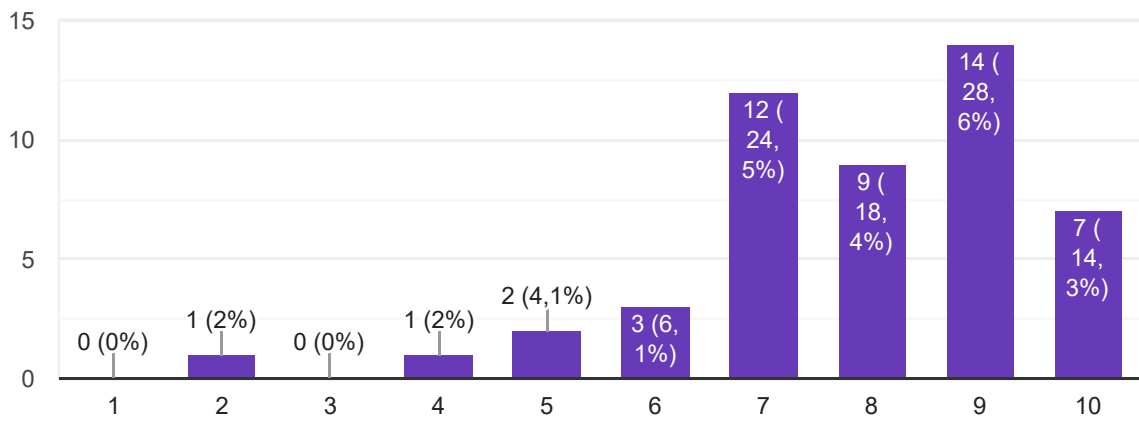
Copia

50 risposte

3.5 - It is easy to attend the compulsory courses (hour scheduled, period of the year, etc.)

Copia

49 risposte

4.1 - Write no more than 3 statistical tools to conduct the data analysis you need in your research.

44 risposte

R, SPSS

Anova

ANOVA

ANOVA, PCA

Chemiometrics, multivariate analysis, neural networks

PCA, Anova

Anova, cluster analysis, time series

Anova, Cluster analisys, time series

ANOVA, PCA, bivariate correlation analysis

Anova, pca, rda

mean, hypothesis testing, linear models

FiGarch/sarFimax, LMM (Matrix computation explanation), (fast) Fourier transformation

R

Anova, Post Hoc

GLMM
ANOVA

Pca, correspondence analysis

R studio

Anova, Shapiro

anova tuckey test

Phython, R, SPSS

spatial data analysis

Anova, pca, t student

Anova, lmm, gls

Kruskall Wallis, glm, Tajima's D

Regression, Ttest

R Studio

Multivariate analysis

Multivariate analysis

Anova, mixed models

Descrittive Statistic, Time series, ANOVA

Linear mixed models, cluster analysis, principal component analysis

R studio, past, sigma plot

Monte carlo simulations, matrix operations

SPSS, R, PowerBI

Analysis of Variance (in different declinations) - PCA - Machine Learning

GAM, LM, PFC

One and Two way ANOVA with post hoc, t-test

ANOVA mANOVA Cluster Analysis

PCA, Random Forest, GLMM e GAM

Pareto Front Analysis, Surface Response Methodology, Design of Experiment

4.1.1 - What software do you use to perform statistical analysis in your research?

53 risposte

R

SPSS

R

R studio

R, SPSS

Spss

Spss, maxqda, qualtrix

Past, spss

SPSS, R

Python

SPSS software

R and Excel

R, PAST, Excel

RStudio

rstudio

R, Python

R studio, SPSS

Kruskal Wallis, glm

R studio, past, sigma plot

R - Phyton

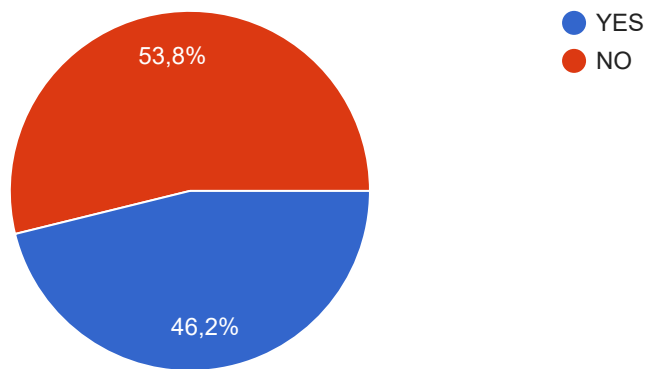R, Excel (only for quick exploratory analysis)

R packages, SPSS

spss

I use python scripts

Rstudio or SPSS

4.2 - Do you think a mathematical modeling course could be useful to you?

Copia

52 risposte

- YES
- NO

53,8%

46,2%

4.2.1 - If yes, what are the mathematical models you have encountered in your research?

14 risposte

LMM, GAM

General Linear model

the ones that can establish relationships between variables

Arimax, OLS, PCA, ANOVAs, Loess,

Linear regression, clustering

Agreement indexes

Analysis of variance and covariance, spatial mixed models, outliers control and management, linear mixed models with nested and crossed random effects, handle non normal data and non heteroscedastic data groups, repeated measures anova

N/A

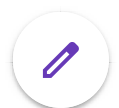I've encountered Maxent, but I've never used it

Linear mixed models

Statistical and Mechanicistic models

Analytic Beta Model

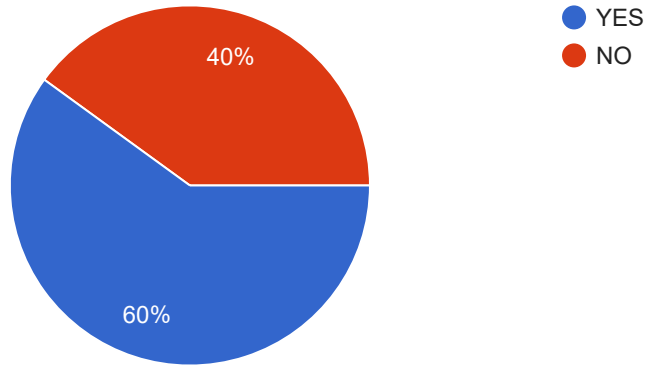Many. By linear models to deep neural networks

MLR, PLS, Random Forest

4.3 - Do you think the statistical tools you need are covered by the Advanced Statistics course?

Copia

50 risposte

- YES
- NO

40%

60%

4.3.1 - If not, why?

18 risposte

More theory without any good practical activity

Need more in depth tools

They require more in-depth study

There is not deep explanation

We need a course which gives the basis of statistic

I think we need to practice with many more practical exercises and examples (more hours for the statistics course)

Not mathematical enough, I need to understand the math being a python or R script.

They are covered but the statistical course should be longer, especially the introduction on usin the R software

Becauese it is not possible to cover all the topics in a such few hours

Because the course presents only optimal cases where parametric conditions are respected and does not teach how to handle non normality and heteroscedasticity that occur often in real data

i mean, yes but not at all. in our field (food microbio), we don't have many sampling points spread around years.

Three courses out of five were a repetition of cluster analysis

We need more deep courses

Not because they are not coeredi, but I need an holistic approccio at the begin

I have no idea, apart from YouTube knowledge, of how matrix operations work

Few hours, several topics Just ti have an overview, few practical session

Sometimes dedicate less time to PCA (repeated in 2 courses) and give space to other tools
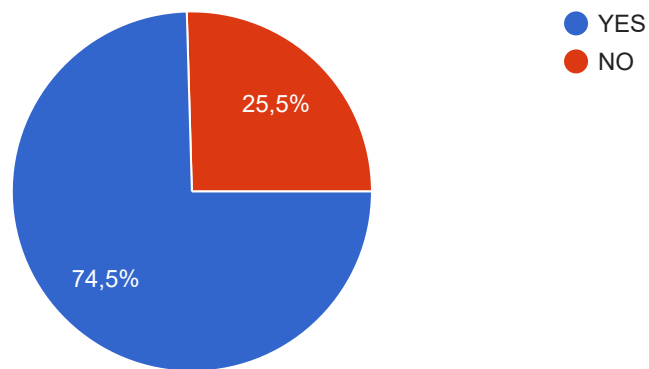
I'd like to have a course of statistics applied to the kind of data used, learning which post hoc is better for the data

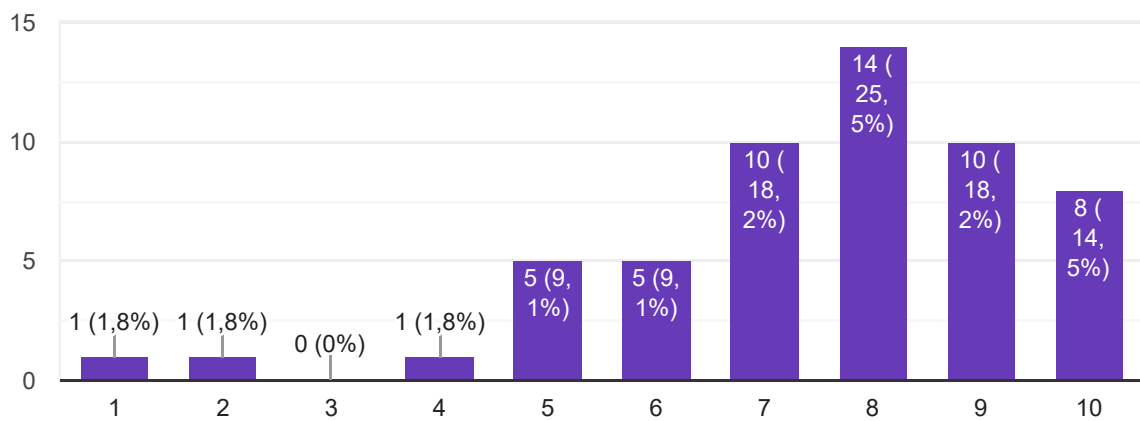## 4.4 - Do you think you need an introductory statistics course?   Copia

55 risposte

- 🔵 YES
- 🔴 NO

25,5%

74,5%

5.1 - The PhD course website contains the information I need   Copia

55 risposte

Value	Count
1	1 (1,8%)
2	1 (1,8%)
3	0 (0%)
4	1 (1,8%)
5	5 (9,1%)
6	5 (9,1%)
7	10 (18,2%)
8	14 (25,5%)
9	10 (18,2%)
10	8 (14,5%)

5.2 - The PhD course website is easily navigable   Copia

55 risposte

Value	Count
1	1 (1,8%)
2	1 (1,8%)
3	0 (0%)
4	1 (1,8%)
5	3 (5,5%)
6	8 (14,5%)
7	10 (18,2%)
8	15 (27,3%)
9	10 (18,2%)
10	6 (10,9%)
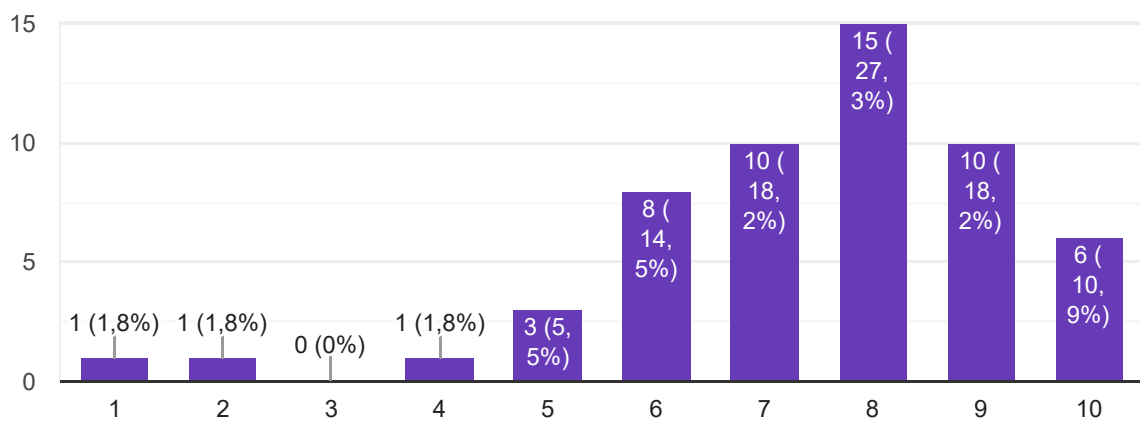
5.3 - Have you carefully read the PhD course website?

Copia

55 risposte

- YES
- NO

14,5%

85,5%
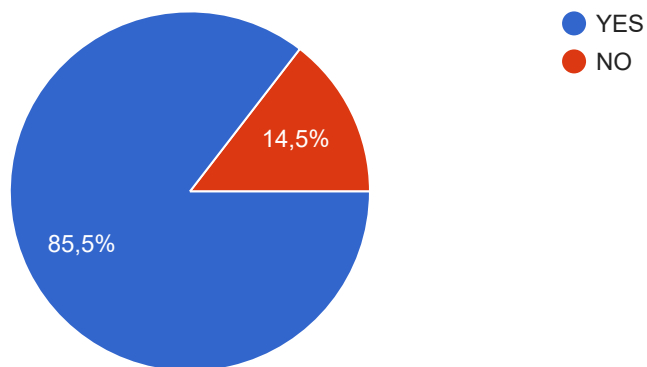
5.4 - The institutional emails are clear enough

Copia

56 risposte

	1	2	3	4	5	6	7	8	9	10
	0 (0%)	0 (0%)	0 (0%)	0 (0%)	2 (3,6%)	3 (5,4%)	7 (12,5%)	16 (28,6%)	12 (21,4%)	16 (28,6%)
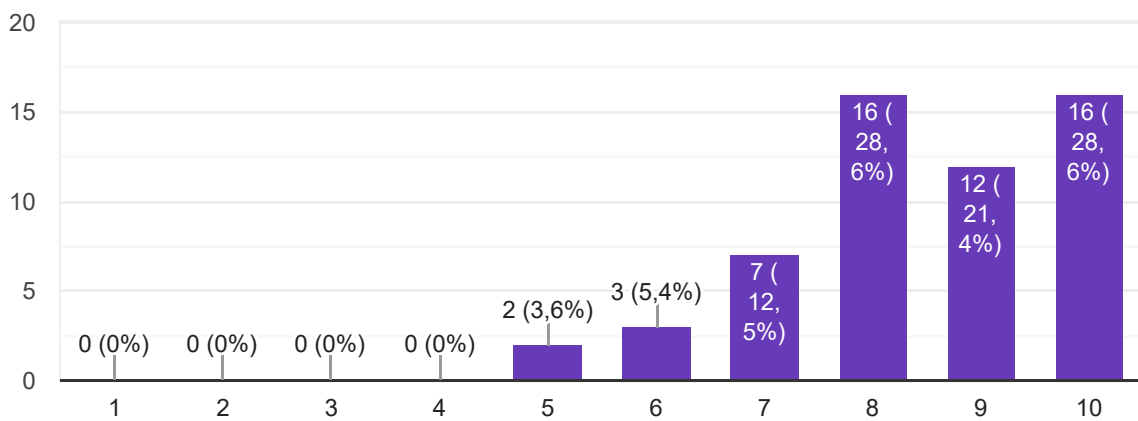
5.5 - The institutional e-mails are too many

Copia

56 risposte

	1	2	3	4	5	6	7	8	9	10
	3 (5,4%)	0 (0%)	9 (16,1%)	2 (3,6%)	10 (17,9%)	5 (8,9%)	8 (14,3%)	5 (8,9%)	7 (12,5%)	7 (12,5%)
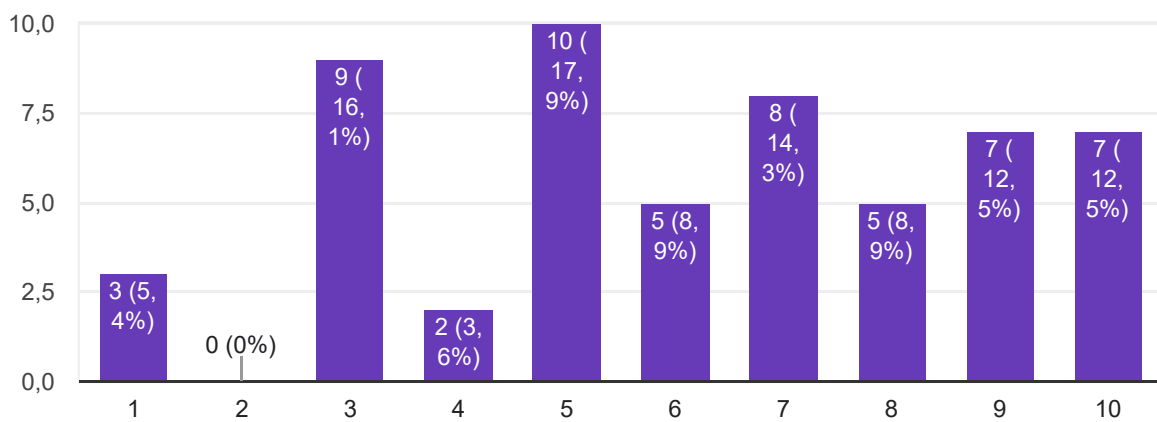
5.6 - The PhD forms are clear enough

Copia

53 risposte

Bar chart showing responses on a 1–10 scale:
- 1: 0 (0%)
- 2: 0 (0%)
- 3: 0 (0%)
- 4: 0 (0%)
- 5: 1 (1,9%)
- 6: 9 (17%)
- 7: 11 (20,8%)
- 8: 14 (26,4%)
- 9: 9 (17%)
- 10: 9 (17%)
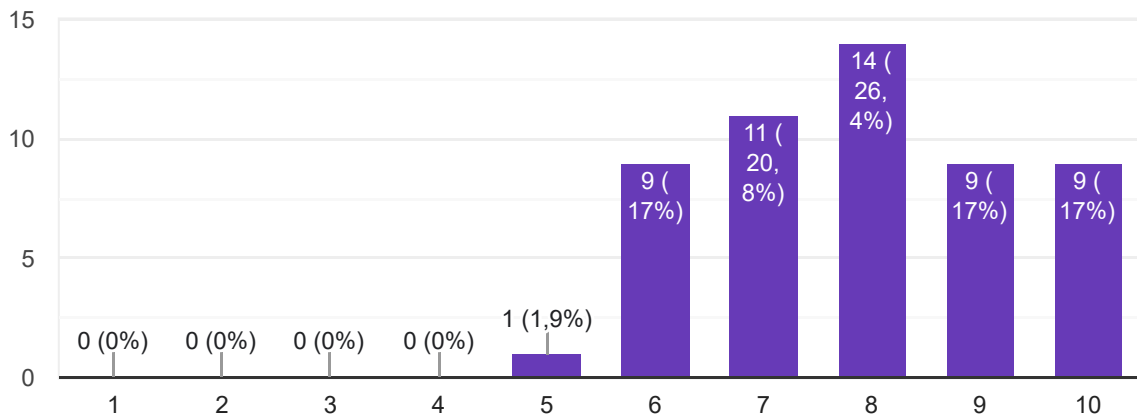
6.1 - I have a positive relationship with my supervisor

Copia

56 risposte

Bar chart showing responses on a 1–10 scale:
- 1: 0 (0%)
- 2: 1 (1,8%)
- 3: 0 (0%)
- 4: 0 (0%)
- 5: 1 (1,8%)
- 6: 1 (1,8%)
- 7: 2 (3,6%)
- 8: 11 (19,6%)
- 9: 13 (23,2%)
- 10: 27 (48,2%)
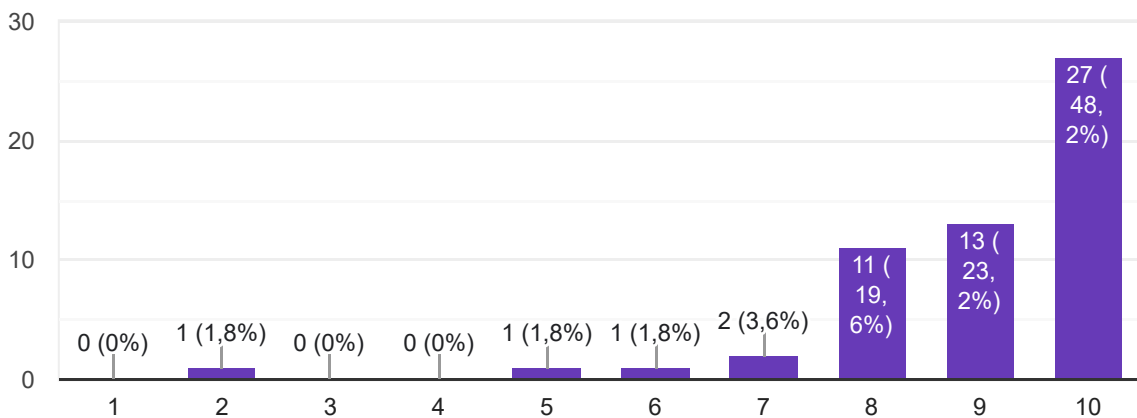
6.2 - My supervisor is collaborative and available when needed

Copia

56 risposte

Bar chart showing responses on a 1–10 scale:
- 1: 0 (0%)
- 2: 0 (0%)
- 3: 1 (1,8%)
- 4: 0 (0%)
- 5: 2 (3,6%)
- 6: 1 (1,8%)
- 7: 4 (7,1%)
- 8: 10 (17,9%)
- 9: 9 (16,1%)
- 10: 29 (51,8%)
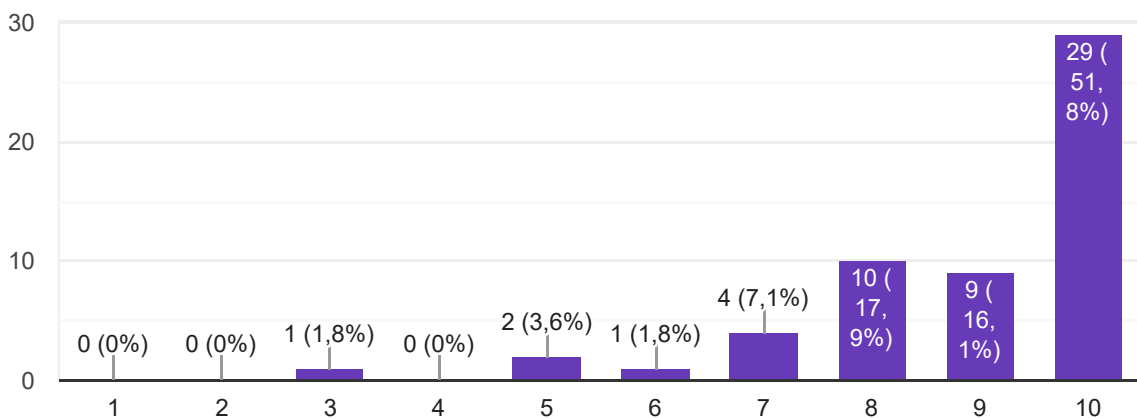
6.3 - My supervisor gives me autonomy in my PhD activities

Copia

56 risposte

Bar chart:
- 1: 0 (0%)
- 2: 0 (0%)
- 3: 0 (0%)
- 4: 0 (0%)
- 5: 2 (3,6%)
- 6: 2 (3,6%)
- 7: 3 (5,4%)
- 8: 13 (23,2%)
- 9: 10 (17,9%)
- 10: 26 (46,4%)
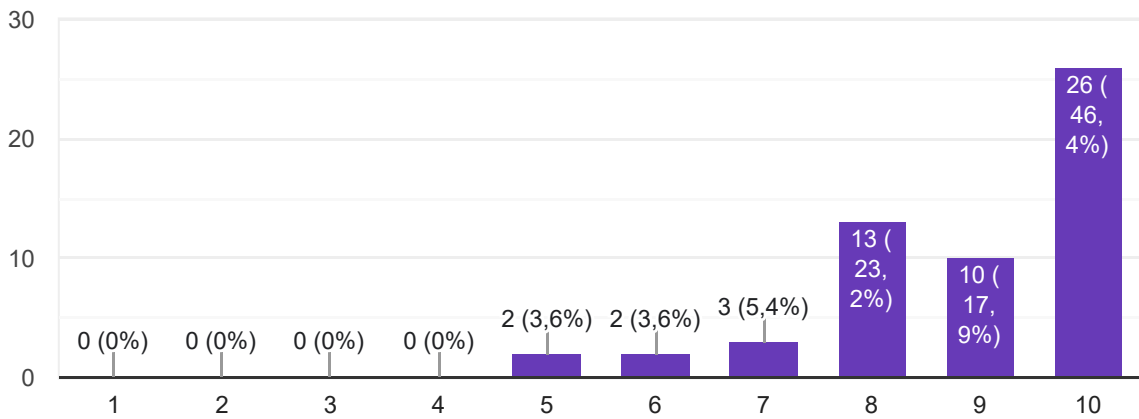
6.4 - My supervisor is a stimulus to my PhD activities

Copia

55 risposte

Bar chart:
- 1: 0 (0%)
- 2: 1 (1,8%)
- 3: 0 (0%)
- 4: 2 (3,6%)
- 5: 1 (1,8%)
- 6: 4 (7,3%)
- 7: 6 (10,9%)
- 8: 8 (14,5%)
- 9: 9 (16,4%)
- 10: 24 (43,6%)
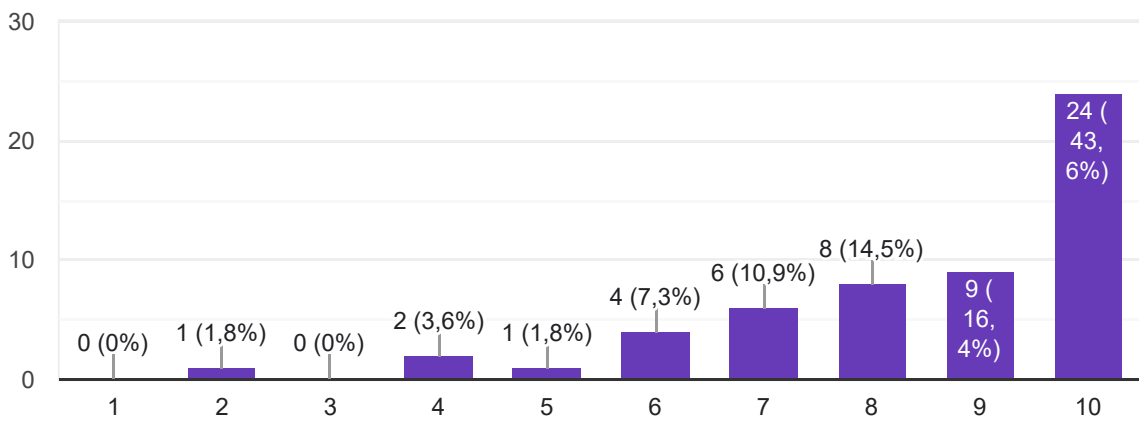
7.1 - I carry out most of my PhD activities at university/research centre facilities

Copia

56 risposte

Pie chart:
- > 50% at University: 94,6%
- > 50% at a private company
- >50% at home
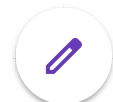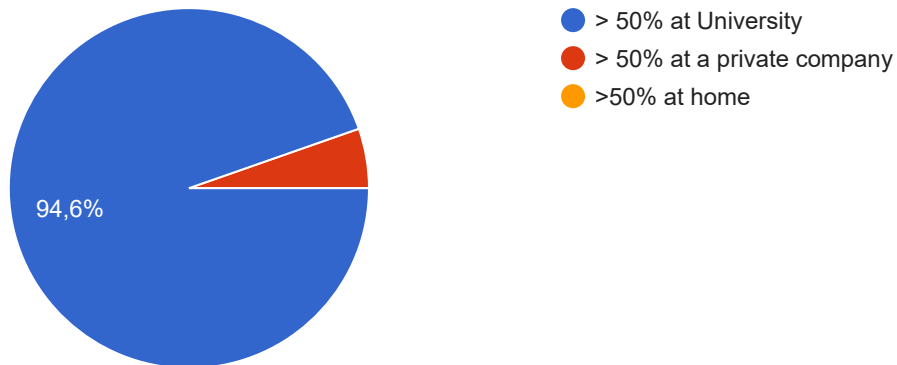
7.2 - I feel involved in the activities I carry out

Copia

56 risposte

Chart data (values out of 56):
- 1: 0 (0%)
- 2: 0 (0%)
- 3: 0 (0%)
- 4: 0 (0%)
- 5: 1 (1,8%)
- 6: 1 (1,8%)
- 7: 1 (1,8%)
- 8: 10 (17,9%)
- 9: 18 (32,1%)
- 10: 25 (44,6%)
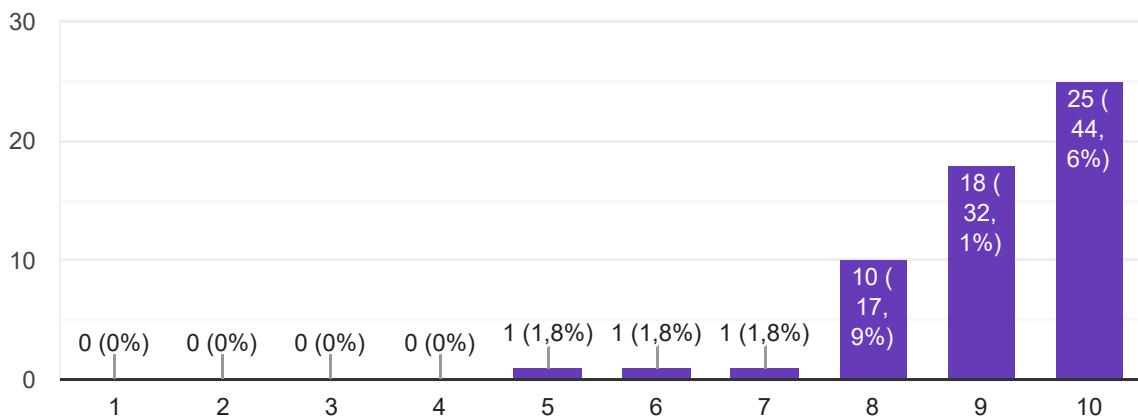
7.3 - I have an adequate working place (desk, hardware and software)

Copia

56 risposte

Chart data (values out of 56):
- 1: 2 (3,6%)
- 2: 1 (1,8%)
- 3: 1 (1,8%)
- 4: 0 (0%)
- 5: 3 (5,4%)
- 6: 4 (7,1%)
- 7: 6 (10,7%)
- 8: 10 (17,9%)
- 9: 12 (21,4%)
- 10: 17 (30,4%)
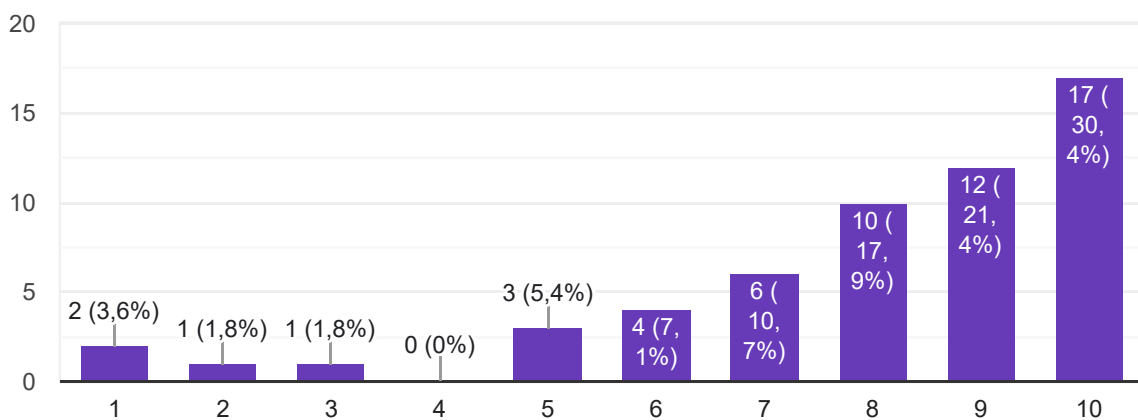
7.4 - I have adequate facilities and laboratories available to conduct my research

Copia

55 risposte

Chart data (values out of 55):
- 1: 1 (1,8%)
- 2: 1 (1,8%)
- 3: 0 (0%)
- 4: 1 (1,8%)
- 5: 0 (0%)
- 6: 3 (5,5%)
- 7: 6 (10,9%)
- 8: 16 (29,1%)
- 9: 14 (25,5%)
- 10: 13 (23,6%)
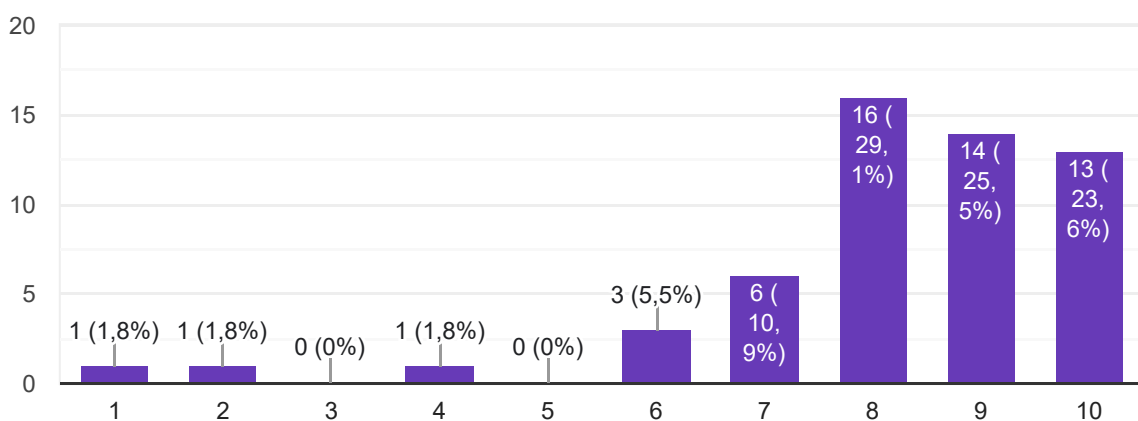
7.6 - I have adequate editorial resources available (online and onsite) [] Copia

56 risposte

Bar chart:
- 1: 0 (0%)
- 2: 0 (0%)
- 3: 0 (0%)
- 4: 0 (0%)
- 5: 2 (3,6%)
- 6: 1 (1,8%)
- 7: 5 (8,9%)
- 8: 20 (35,7%)
- 9: 13 (23,2%)
- 10: 15 (26,8%)
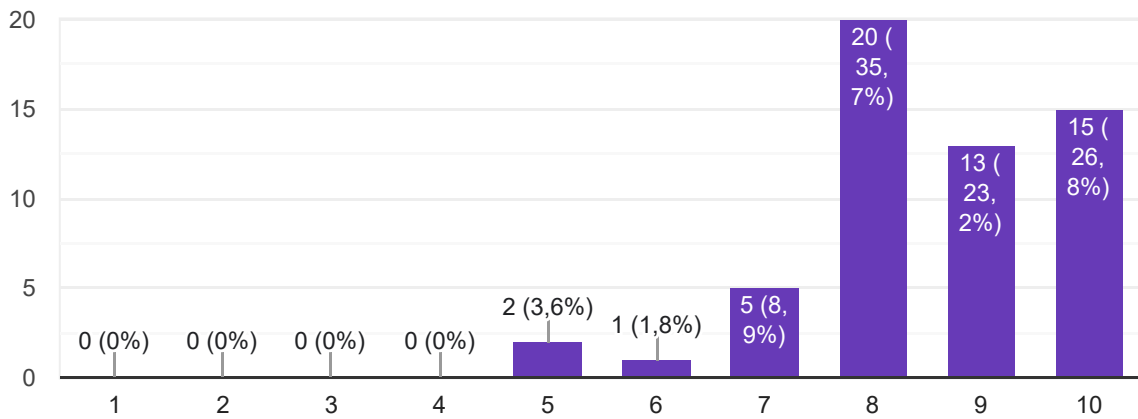
8.1 - Have you carried out teaching support activities? [] Copia

55 risposte

Pie chart:
- YES: 50,9%
- NO: 49,1%
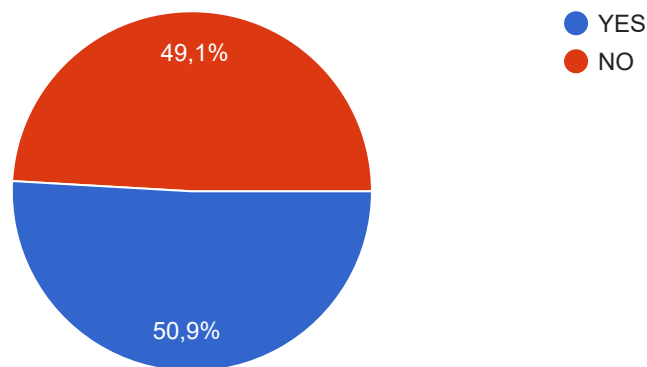
8.1.1 If you carried out teaching support activities, it was a useful experience? [] Copia

29 risposte

Bar chart:
- 1: 0 (0%)
- 2: 0 (0%)
- 3: 0 (0%)
- 4: 0 (0%)
- 5: 0 (0%)
- 6: 1 (3,4%)
- 7: 3 (10,3%)
- 8: 11 (37,9%)
- 9: 7 (24,1%)
- 10: 7 (24,1%)
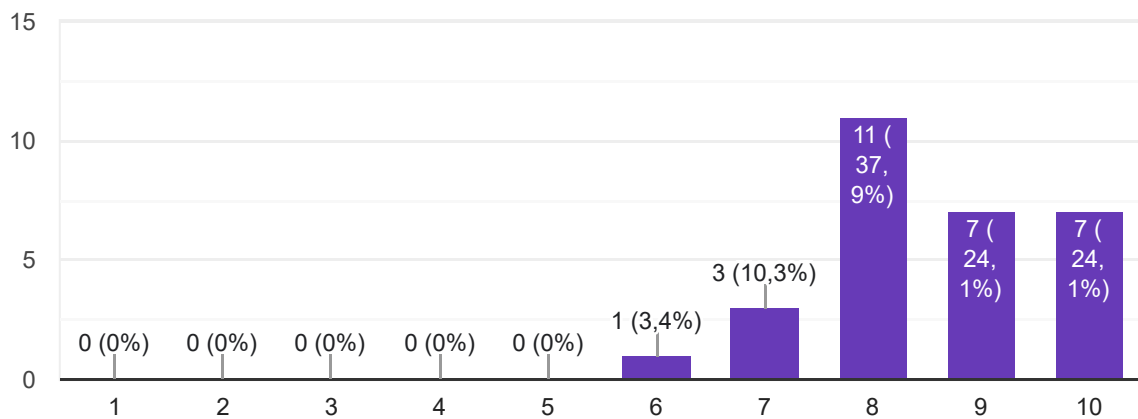
8.2 - Have you collaborated in scientific activities not strictly related to your research?
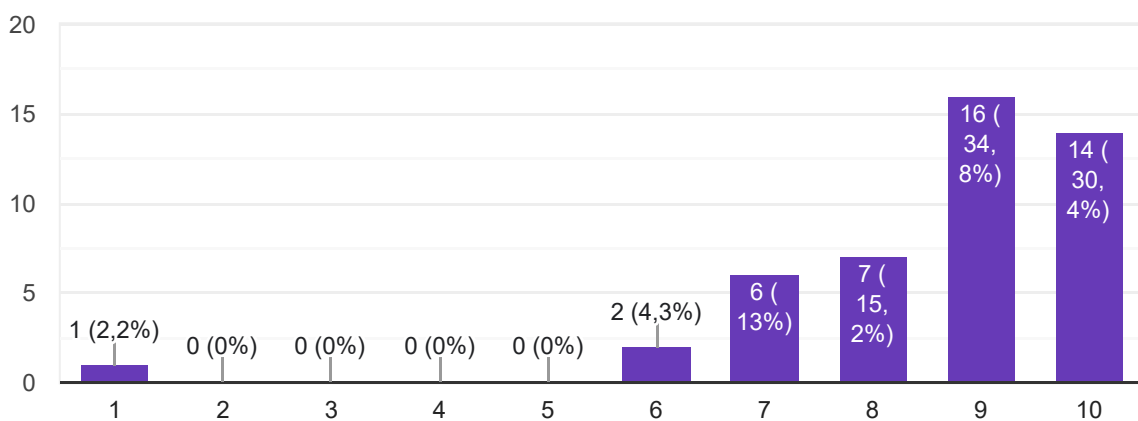
Copia

56 risposte

- YES
- NO

82,1%

17,9%
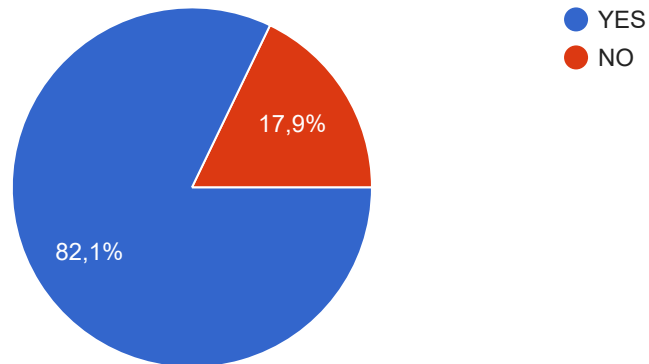
8.2.1 If you collaborated in scientific activities not strictly related to your research, it was a useful experience?

Copia

46 risposte

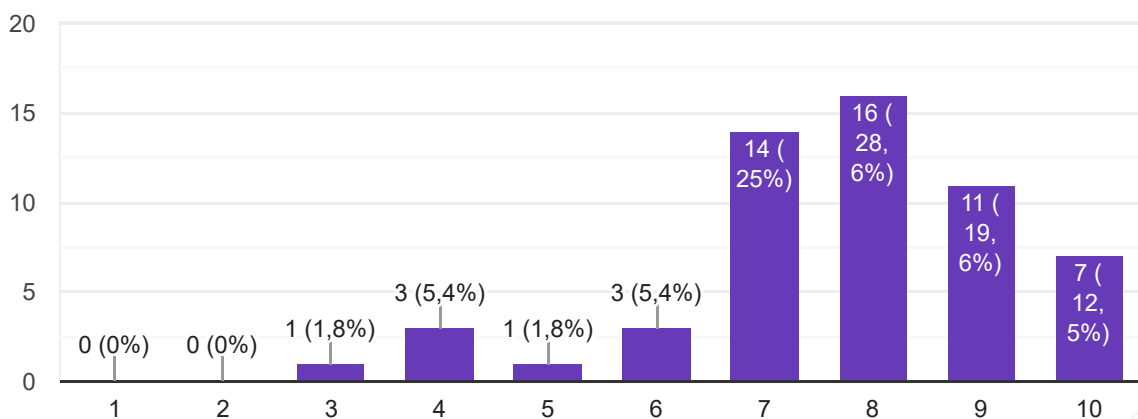1 (2,2%)   0 (0%)   0 (0%)   0 (0%)   0 (0%)   2 (4,3%)   6 (13%)   7 (15,2%)   16 (34,8%)   14 (30,4%)

8.3 - The time I am able to devote to my PhD activities is adequate to achieve the research objectives

Copia

56 risposte

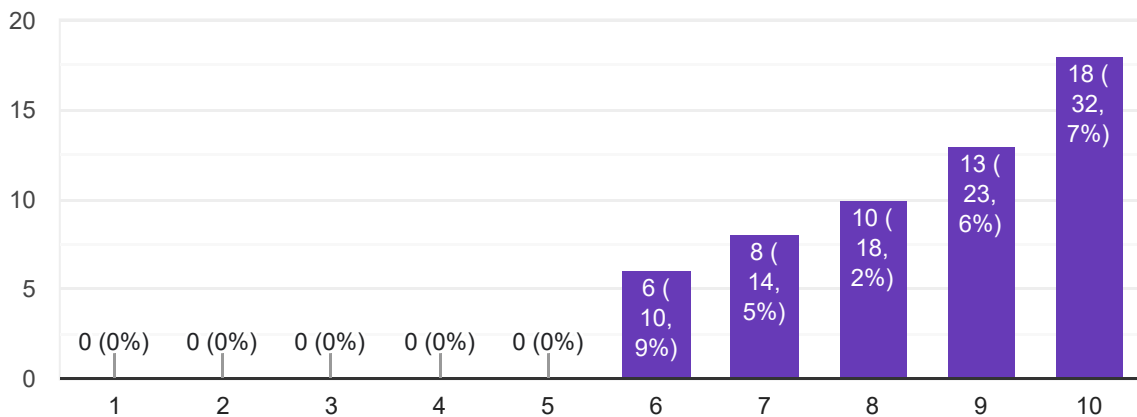0 (0%)   0 (0%)   1 (1,8%)   3 (5,4%)   1 (1,8%)   3 (5,4%)   14 (25%)   16 (28,6%)   11 (19,6%)   7 (12,5%)

9.1 - Publishing at least one article in an ISI journal is an achievable task within your Ph.D. period

Copia

55 risposte

Bar chart showing responses:
- 1: 0 (0%)
- 2: 0 (0%)
- 3: 0 (0%)
- 4: 0 (0%)
- 5: 0 (0%)
- 6: 6 (10,9%)
- 7: 8 (14,5%)
- 8: 10 (18,2%)
- 9: 13 (23,6%)
- 10: 18 (32,7%)

9.2 - It is or it will be easy to find a research group to host me for my stay abroad

Copia

49 risposte

Bar chart showing responses:
- 1: 1 (2%)
- 2: 1 (2%)
- 3: 0 (0%)
- 4: 4 (8,2%)
- 5: 2 (4,1%)
- 6: 3 (6,1%)
- 7: 10 (20,4%)
- 8: 13 (26,5%)
- 9: 7 (14,3%)
- 10: 8 (16,3%)
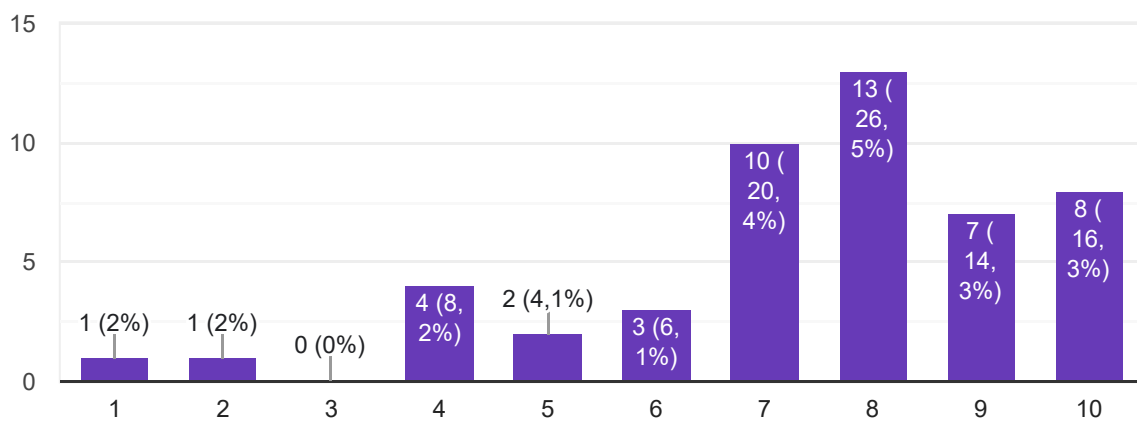
9.3 - My experience abroad was a good experience (only if already accomplished)
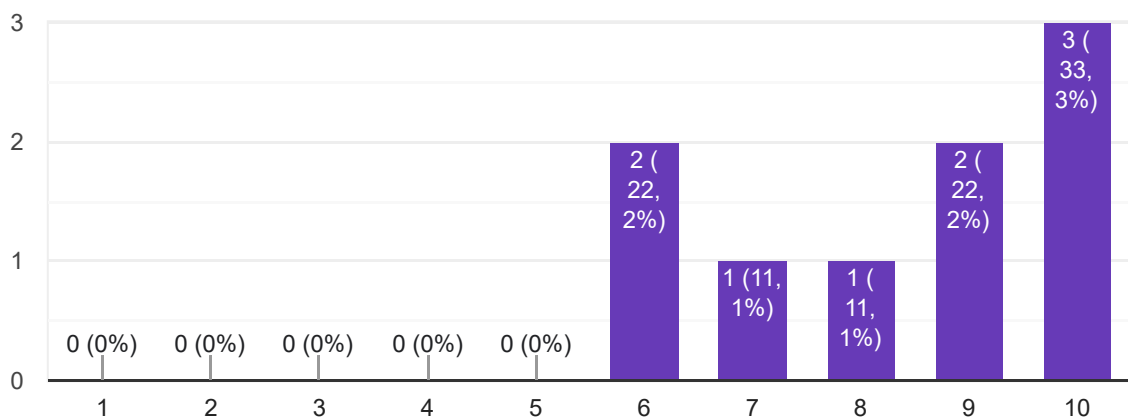
Copia
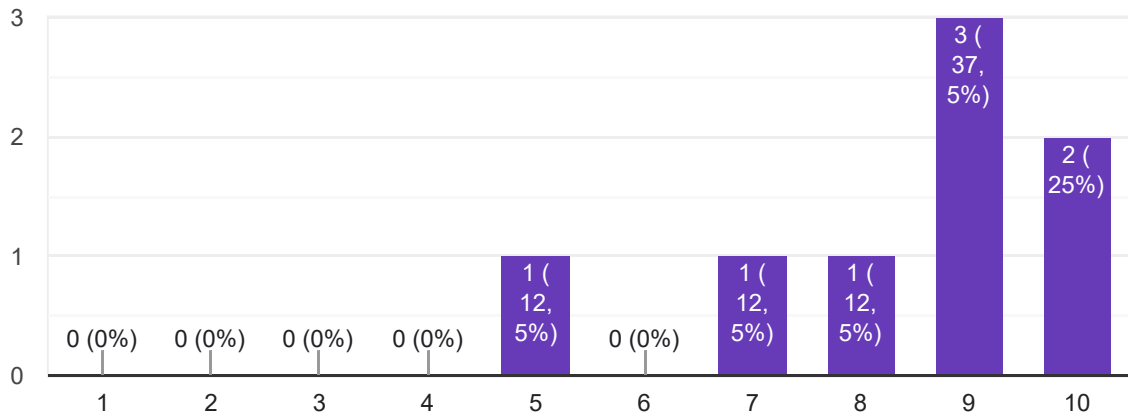
8 risposte

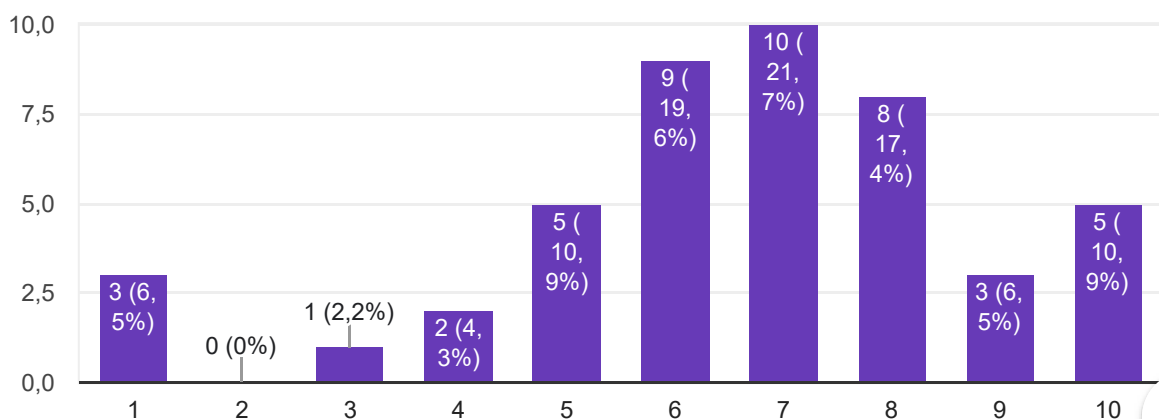
9.4 - My experience abroad was useful for my research

Copia

9 risposte

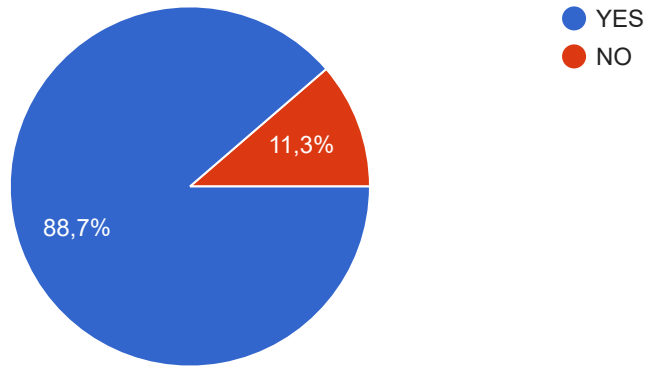## 9.5 - The financial support for external activities (travel reimbursements and training activities) is enough

Copia

46 risposte

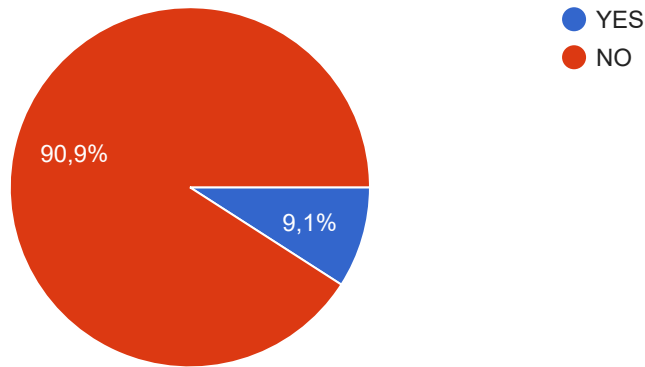## 10.1.1 - If I could go back, then I would do the same route again

Copia

53 risposte

- YES
- NO

11,3%

88,7%

10.1.2 - If I could go back, then I would change PhD course

Copia

55 risposte

- YES
- NO

90,9%

9,1%

10.1.3 - If I could go back, then I would do a similar Ph.D. course at different University

Copia

53 risposte

- YES
- NO

90,6%

9,4%
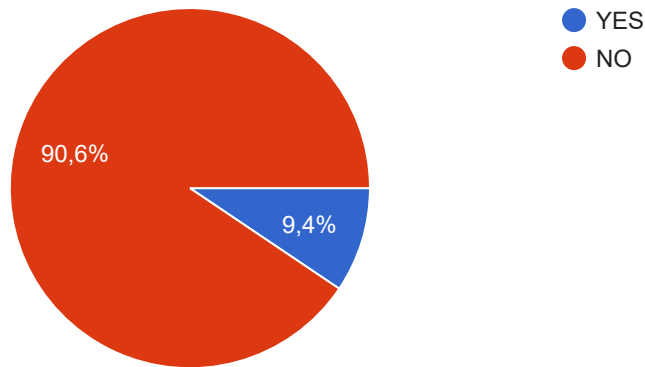
10.1.4 - If I could go back, I would do something else (please specify)

Copia

45 risposte

Bar chart with values:
- 1: 18 (40%)
- 2: 5 (11,1%)
- 3: 2 (4,4%)
- 4: 4 (8,9%)
- 5: 4 (8,9%)
- 6: 3 (6,7%)
- 7: 5 (11,1%)
- 8: 3 (6,7%)
- 9: 1 (2,2%)
- 10: 0 (0%)
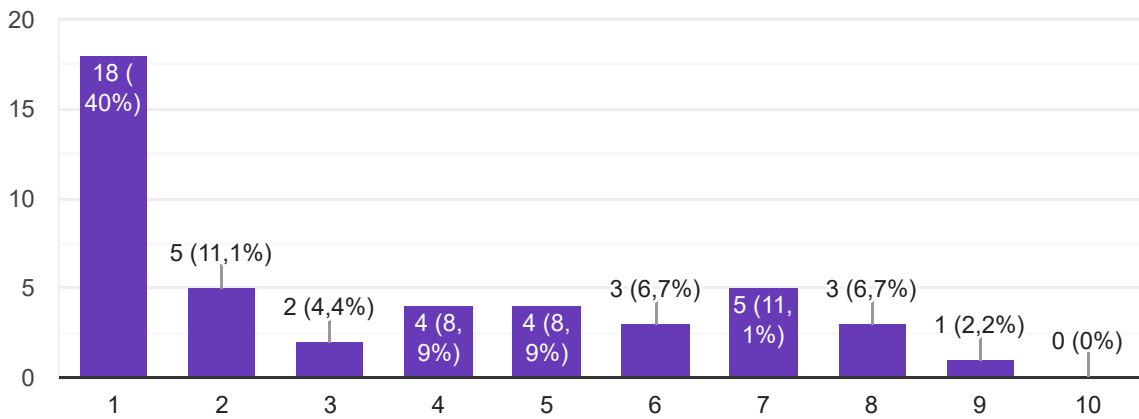
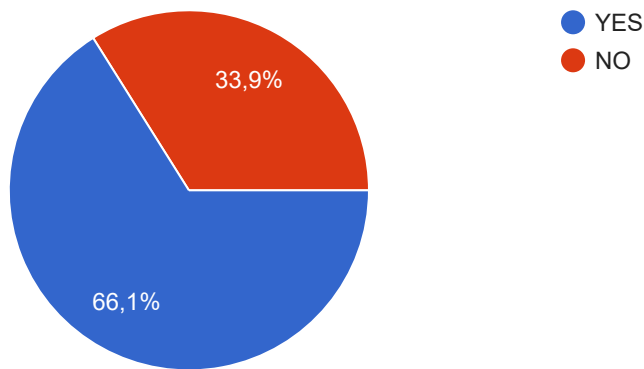## 11.1.1 - After the PhD I would like to work in: Private sector (industry, agricultural/forestry/environmental concern, self-employed, etc.)

Copia
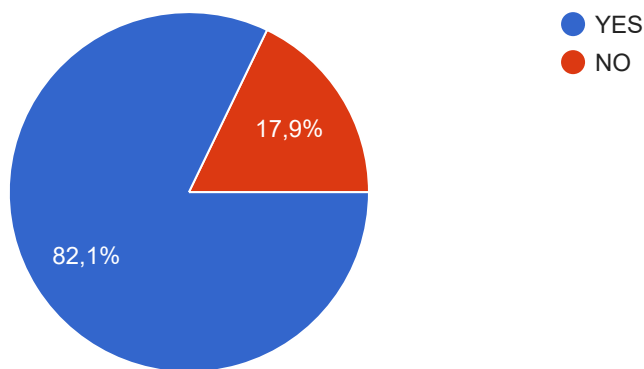
56 risposte

- YES
- NO

33,9%
66,1%

11.1.2 - After the PhD I would like to work in: Public sector (research and higher education)

Copia

56 risposte

- YES
- NO

17,9%
82,1%

11.1.3 - After the PhD I would like to work in: Teaching

Copia

56 risposte

- YES
- NO

53,6%

46,4%
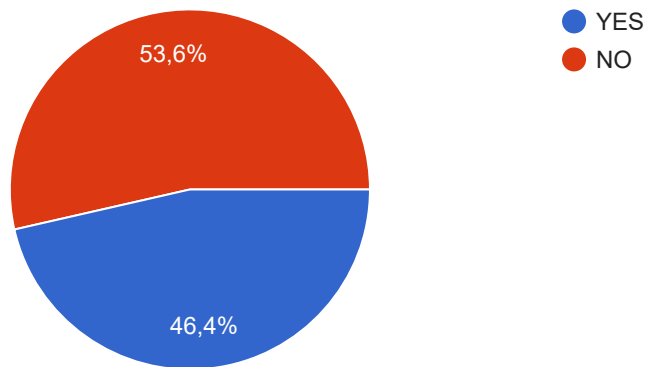
11.1.4 - After the PhD I would like to work in: Research

Copia

56 risposte

- YES
- NO

10,7%

89,3%
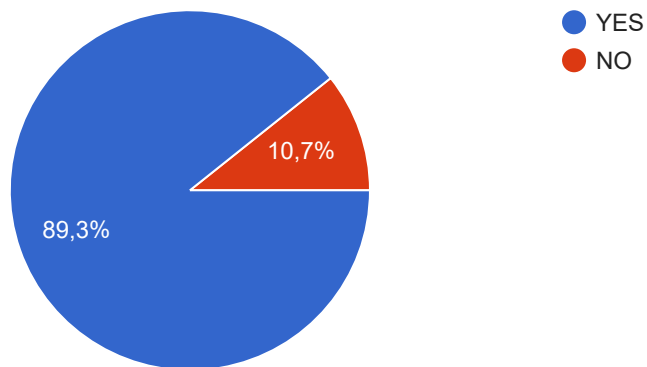
11.1.5 - After the PhD I would like to work in: Other (Please specify)

3 risposte

R&D

Procurement of raw materials

Data scientist at any private company not strictly related to agriculture

12.1 - Comments and suggestions

8 risposte

I suggest to give more basic courses of statistic to have a good basis to build something

Strenghten the link between industry professionals, for example by inviting them for seminars.

My supervisor does not prioritize the revision and corrections of the articles i am writing. He is not helpful.

For me I am satisfied with educational activities which I received from University of Torino, beside that the PhD school always provide kind of courses to develop career.

It would be better to do the Annual Meeting in mid October, because September is full of conferences and field activities

Make some activities to better know the colleagues since the start of PhD course

Maybe scheduling meetings between the PhD student, his/her supervisor and his/her PhD referent at least once a year might be a good Idea (apart from annual meeting), to assess the proceeding of the PhD program and if there are any criticities.

More selective parameters, more financial and psicological support, provide better spaces and fornitures, organize more seminars and workshop on specific skills like presenting skils

Google Moduli