1.1 PhD cycle

57 risposte

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

1.2 Graduated in what University?

56 risposte

- UniTo
- Other Italian University
- Foreign University

1.3 - Did you receive a PhD scholarship?

55 risposte

- YES
- NO
1.4 - Do you have an occupation during your PhD or Apprenticeship PhD or Industrial PhD?

56 risposte

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

56 responses

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

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

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

49 risposte
3.2 - The compulsory courses are well conducted
48 risposte

3.3 - The teaching material is of good quality
48 risposte

3.4 - The news regarding the courses (start of lessons, changes in dates/classrooms, programmes) are adequate
50 risposte
3.5 - It is easy to attend the compulsory courses (hour scheduled, period of the year, etc.)
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 analysis, 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?

52 risposte

53.8% YES

46.2% NO
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 Mechanistic 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?

50 risposte

- YES: 60%
- NO: 40%

QUESTIONNAIRE https://docs.google.com/forms/d/1t9lK7x78Ccb_RofuUB62pzlqXT...
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 using the R software

Because 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 covered, but I need an holistic approach at the begin

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

Few hours, several topics. Just to 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?

55 risposte

- YES: 74.5%
- NO: 25.5%

5.1 - The PhD course website contains the information I need

55 risposte

5.2 - The PhD course website is easily navigable

55 risposte
5.3 - Have you carefully read the PhD course website?

55 responses

- **YES**: 85.5%
- **NO**: 14.5%

5.4 - The institutional emails are clear enough

56 responses

- **1**: 0 (0%)
- **2**: 0 (0%)
- **3**: 0 (0%)
- **4**: 0 (0%)
- **5**: 2 (3.6%)
- **6**: 3 (5.4%)
- **7**: 7 (12.5%)
- **8**: 16 (28.6%)
- **9**: 12 (21.4%)
- **10**: 16 (28.6%)

5.5 - The institutional e-mails are too many

56 responses

- **1**: 3 (5.4%)
- **2**: 0 (0%)
- **3**: 2 (3.6%)
- **4**: 0 (0%)
- **5**: 10 (17.9%)
- **6**: 5 (8.9%)
- **7**: 8 (14.3%)
- **8**: 5 (8.9%)
- **9**: 7 (12.5%)
- **10**: 7 (12.5%)
5.6 - The PhD forms are clear enough

6.1 - I have a positive relationship with my supervisor

6.2 - My supervisor is collaborative and available when needed
6.3 - My supervisor gives me autonomy in my PhD activities
56 risposte

6.4 - My supervisor is a stimulus to my PhD activities
55 risposte

7.1 - I carry out most of my PhD activities at university/research centre facilities
56 risposte
7.2 - I feel involved in the activities I carry out

56 risposte

7.3 - I have an adequate working place (desk, hardware and software)

56 risposte

7.4 - I have adequate facilities and laboratories available to conduct my research

55 risposte
7.6 - I have adequate editorial resources available (online and onsite)

56 risposte

8.1 - Have you carried out teaching support activities?

55 risposte

8.1.1 If you carried out teaching support activities, it was a useful experience?

29 risposte
8.2 - Have you collaborated in scientific activities not strictly related to your research?

56 risposte

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

46 risposte

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

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

![Bar Chart: Publishing at least one article in an ISI journal](https://docs.google.com/forms/d/1t9lK7x78Ccb_RofuUB62pzlqXT...)

55 risposte

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

![Bar Chart: It is or it will be easy to find a research group to host me for my stay abroad](https://docs.google.com/forms/d/1t9lK7x78Ccb_RofuUB62pzlqXT...)

49 risposte
9.3 - My experience abroad was a good experience (only if already accomplished)

8 risposte

9.4 - My experience abroad was useful for my research

9 risposte

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

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

- Yes: 88.7%
- No: 11.3%

53 responses

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

- Yes: 90.9%
- No: 9.1%

55 responses

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

- Yes: 90.6%
- No: 9.4%

53 responses
10.1.4 - If I could go back, I would do something else (please specify)

45 risposte

11.1.1 - After the PhD I would like to work in: Private sector (industry, agricultural/forestry/environmental concern, self-employed, etc.)

56 risposte

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

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

11.1.4 - After the PhD I would like to work in: Research
56 risposte

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

Strengthen 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 psychological support, provide better spaces and furnitures, organize more seminars and workshop on specific skills like presenting skills.