



**COURSE UNIT INFORMATION SHEET (SYLLABUS)
2022/2023**

Study Program: Postgraduate Diploma in Data Analysis in Psychology

Name Systematic literature review
Teaching staff (Also indicate the Professor in charge) Ana Isabel Gomes (Professor in charge)
ECTS 6 ECTS
Functioning 18 hours/semester of theoretical-practical classes for 15 weeks
Learning goals Provide students with knowledge about the different stages of a systematic literature review and the respective methodological procedures, according to the PRISMA guidelines. Develop, in students, research skills related to bibliographic research, selection of articles, extraction, and analysis of data, and assessment of the quality of studies and risk of bias. Promote the use, by students, of tools and software that facilitate the process of systematic literature review.
Skills to be developed <ol style="list-style-type: none">1. Recognize the different types of literature review;2. Describe the main features and steps of a systematic literature review;3. Define the scope of the review and properly formulate research questions;4. Design and implement a literature search protocol/strategy;5. Implement adequate methods to select and analyze scientific articles and other documentation;6. Select and apply methods and tools for analyzing the quality of studies and risk of bias;7. 7. Organize and report the results obtained in scientific article format.
Prerequisites (precedences) *



Not applicable.

Contents

1. From literature review to systematic literature review;
2. PRISMA guidelines for systematic literature reviews;
3. Planning steps: definition of the scope and formulation of research questions; preliminary review research; construction of the research protocol/strategy (inclusion/exclusion criteria; definition of keywords and search commands; search resources; PICOS and SPIDER models);
4. Stages of research selection and documentation using software;
5. Methods and tools for analyzing the quality of studies and risk of bias;
6. Data extraction and analysis of results;
7. Considerations on the structure and writing of a scientific article of systematic literature review.

Bibliography

Grant, M. J., & Booth, A. (2009). A typology of reviews: an analysis of 14 review types and associated methodologies. *Health information & libraries journal*, 26(2), 91-108.

Higgins, J. P. T., Thomas, J., Chandler, J., Cumpston, M., Li, T., Page, M. J. & Welch, V. A. (editors) (2021). *Cochrane Handbook for Systematic Reviews of Interventions* (version 6.2, updated February 2021). USA: The Cochrane Collaboration and John Wiley & Sons Ltd. Available from www.training.cochrane.org/handbook.

Page, M. J., McKenzie, J. E., Bossuyt, P. M., Boutron, I., Hoffmann, T. C., Mulrow, C. D., ... & Moher, D. (2021). The PRISMA 2020 statement: an updated guideline for reporting systematic reviews. *International Journal of Surgery*, 88, 105906.

Boland, A., Cherry, M. G. & Dickson, R. (2017). *Doing a Systematic Review : a Student's Guide*. 2nd edition. California: SAGE Publications.

Teaching methods

Theoretical-practical classes using an expository methodology, demonstration, and training of methodological procedures in a real context, with the support of software for research and organization of scientific articles.

Evaluation Regimes (General and/or Alternative)

Successfully completing the Postgraduate Diploma course is conditional on the realization of three mandatory evaluations elements:

1. **Global approval on Learning control sheets in each curricular unit.** These sheets are multiple choice sheets in an applied context with questions and random answers alternatives, and is performed in the *e-learning ULisboa (Moodle)* at the end of each c. u. (minimum grade of 9.5 values).



2. **At the end of the first semester**, an individual work that consists of a critical analysis of a scientific article, namely its methodological section and how the research hypothesis/objectives/questions are well articulated with the proposed data analysis strategy, the results obtained, and the discussion presented (minimum grade of 9.5 values).
3. **At the end of the second semester**, an individual work aimed at the application skills acquired in the various curricular units, applying advanced data analysis techniques, and including the analysis, interpretation and reporting of a set of data collected by application of a questionnaire.

Evaluation Elements (Dates due, weights, minimum required grades)

Approval in the **Postgraduate Program in Data Analysis in Psychology** requires obtaining a final weighted average (among the three assessment components) **greater than or equal to 9.5 values** among the following results:

1. **Average of the grades of all the Learning Control Sheets related to each curricular unit, with a weighting of 50% in the final grade;**
2. **Grade in the Critical analysis of a scientific article, with a weighting of 25% in the final grade;**
3. **Grade in an individual Work with a weighting of 25% in the final grade.**

Rules for grade improvement

The grade improvement may only occur in the assessment elements performed individually.

Rules for students having previously failed the course unit *

Non-applicable

Requirements on attendance and punctuality

Classes operate in a hybrid regime and punctuality and student participation in at least 2/3 of the total number of classes are assumed.

Rules for special students (workers, elite athletes, student body leaders, military, fathers/mothers, with special needs) *

General rules of the FPUL.

Language of instruction

Portuguese but English reading domain is necessary.



Disciplinary violations and penalties

Consult the “Regulamento Geral de Avaliação de Conhecimentos e Competências dos Alunos ([RGACCA](#)) (Capítulo IV)”.

* If applicable