The course is oriented to students and professionals in the areas of Health Sciences and Social Sciences.

OBJECTIVES:

- To obtain theoretical and practical knowledge in the development and application of instruments and tools for the assessment of information in Health.
- To develop a questionnaire or scale for the assessment of subjective health information, test its validity and reliability, and make a critical review.
- To develop practical skills to analyse the psychometric properties of a health measurement scale, namely statistical techniques such as principal component analysis, factor analysis, Kappa coefficient and intra-class correlation coefficient.

FACULTY:

Carla LOPES, Faculty of Medicine/ Institute of Public Health, University of Porto Milton SEVERO

ICBAS/Institute of Public Health, University of Porto

Teaching methodology: Theoretical-practical course in the context of auditorium/room (Face-to-face lectures); Practical work in computer for development and analysis of — measuring instrument.

Softwares: SPSS and R

ECTS: Not applicable

Selection of participants: Course limited to 20 participants; The selection will be made by order of registration

Fee: General 200€; (150€ for students and alumni from the University of Porto)

Online application: The registration process is done at <u>http://www.ispup.up.pt</u>

Application Deadline: 30th may 2023

		FROGRAM
01 06 2023 Thursday	14.00 - 14.30	Design of questionnaires in health
	14.30 - 17.30	Factor analysis and principal component analysis.
		Practical exercises in SPSS and R
	18.00 - 20.00	Development of a scale (practical)
02 06 2023 Friday	16.00 - 18.00	Validity of content, criterion and construct I
	18.20 - 20.00	Development of a scale (practical)
03 06 2023 Saturday	9.00 - 10.30	Reliability, Internal Consistency and Reproducibility
	10.50 - 13.00	To finish the pilot scale (practical)
15 06 2023	14.00-16.00	Confirmatory analysis and item response theory – Practical
Thursday		exercises in SPSS and R
		From items to scales: Construction of final score. Calibration of
		scales.
	16.30 - 20.00	Testing the pilot scale
		Developing the final scale (data analyses)
16 06 2023	16.00 - 18.00	Validity of content, criterion and construct II
Friday		Pilot Survey and Modes of administration;
		Critical review of a scale (practical)
	18.20 - 20.00	Developing the final scale (data analyses)
17 06 2023	9.00-10.30	Reducing measurement errors and its effects
Saturday		Using questionnaires vs. objective measures
	10.50 - 13.00	Developing the final scale (data analyses)

PROGRAM

Certificate of Participation: A certificate of participation will be supplied to the participants who attend at least 75% of the course.

Venue: Institute of Public Health, University of Porto

Schedule: according to the above table. An additional session it will take place for the presentation of group work (assessment) day 21/06/2023 Wednesday from 14 to 17h.

Contact:

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