UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Measurement Methods and Ambulatory Assessment

2122-1-F5105P021

Learning area

RESEARCH METHODS IN EXPERIMENTAL PSYCHOLOGICAL SCIENCES

Learning objectives

Knowledge and understanding

Learning different methods for survey research (including ambulatory assessment) and indirect measures

Learning about the scale construction process and psychometric issues when creating a measure

Applying knowledge and understanding

Identifying the best methods to measure different concepts in different domains

Creating surveys and indirect measures using specific software

Contents

Detailed program

Survey research: scale construction process, psychometric properties and quality, creating a survey using Qualtrics.

Ecological Momentary Assessment method: construction process, psychometric properties and quality, creating a EMA survey using Qualtrics and an App and testing it.

Indirect measures: reaction time-based vs. accuracy-based measures, psychometric properties and quality, creating an indirect measures using Inquisit.

Prerequisites

No specific prerequisites but the lab experience might be better if you take the Psychometrics (for statistics) and Social Cognition courses (for Inquisit) in teh same year than the lab.

Teaching methods

Presentation of examples of research in different domains related to survey research and especially scale construction and validation, to studies using ecological momentary assessment, and to implicit cognition research.

Group work or individual work for creating surveys and measures applied to different domains. Attendance is required.

Lessons will be held in presence, unless further COVID-19 related restrictions are imposed.

Assessment methods

Students in small groups have to create a scale on a topic of their choice starting from the existing literature, then collect data, and to examine the validity of the scale. The small groups have then to present their work orally with slides and each student has to provide an individual report on the work he/she produced within the group.

Textbooks and Reading Materials

Mehl, M. R., & Conner, T. S. (2012) Handbook of Research Methods for studying life. Guilford

Rudman, L. (2011). Implicit Measures for Social and Personality Psychology. Sage

Furr, R. M. (2011). Scale construction and Psychometrics. Sage