

STATISTICAL MATCHING & RECORD LINKAGE

COURSE LEADER	Pier Luigi CONTI
TARGET GROUP	Statistical methodologists or researchers from National Statistical Institutes who are (or could be) involved in projects requiring the integrated use of more than one data source: e.g. two archives or one sample survey and one archive (record linkage problem) or two sample surveys with no units in common (statistical matching problem).
ENTRY QUALIFICATIONS	<ul style="list-style-type: none"> ▪ Sound command of English. Participants should be able to make short interventions and to actively participate in discussions; ▪ Basic knowledge about R is required.
OBJECTIVE(S)	The goal of this activity is to provide the participants with (1) the basic knowledge on the record linkage and the statistical matching problem; (2) the understanding of the uncertainty in the statistical matching; (3) the basic knowledge of the statistical matching problem for complex survey data (4) the skills to apply statistical matching methods.
CONTENTS	<ul style="list-style-type: none"> ▪ Basic concepts related to record linkage and statistical matching; ▪ Micro and macro approaches for statistical matching; ▪ Uncertainty in statistical matching; ▪ Statistical matching for complex surveys; ▪ Application of record linkage and statistical matching in the ESS.
EXPECTED OUTCOME	In this course, participants will develop the theoretical and practical skills required to apply statistical matching methods in their daily work at the NSIs.
TRAINING METHODS	<ul style="list-style-type: none"> ▪ Presentations and lectures; ▪ Practical exercises of statistical matching; ▪ Case Studies.
REQUIRED READING	<ul style="list-style-type: none"> ▪ D'Orazio, M., Zio, M. D., and Scanu, M. (2006). Statistical matching: theory and practice. Wiley, Chichester.
SUGGESTED READING	<ul style="list-style-type: none"> ▪ Conti, P. L., Marella, D., and Scanu, M. (2012). Uncertainty analysis in statistical matching. Journal of Official Statistics, 28, 69-88. ▪ Conti, P. L., Marella, D., and Scanu, M. (2015). Statistical matching for complex survey data with applications. Journal of the American

	Statistical Association. To appear.
REQUIRED PREPARATION	None
TRAINER(S)/ LECTURER(S)	Pier Luigi CONTI (Sapienza University of Rome) and Daniela MARELLA (University of Rome)

PRACTICAL INFORMATION				
WHEN	DURATION	WHERE	ORGANISER	APPLICATION VIA NATIONAL CONTACT POINT
19 - 21.09.2016	3 days	Valencia, Spain	DEVSTAT	Deadline: 01.08.2016