

SEMINAR

Statistical Sciences Bachelor Degree
Stat&Maths curriculum
School of Economics, Management, and Statistics

“Statistical Methods for Database Integration” Course
“Record Linkage” part

on **9 October 2017** from 14:00 to 16:00 Room VII (viale Berti Pichat)

the following Seminar will take place

“Integration of Data Sources: Statistical Matching and other related methods”

speaker

Dott. Marcello D’Orazio, Istat/FAO

Data integration techniques permit to investigate complex phenomena by exploiting sources of data already available. The methods can be classified according to their goal. *Record linkage* techniques aim at identifying the same unit in different data sources through key variables (name, address, etc.). On the contrary, the goal of statistical matching (*data fusion*) techniques consists in exploring relationship between variables not jointly observed in a single data source. Data fusion techniques are commonly applied in marketing or social research areas to integrate data collected through independent sample surveys referred to the same target population.

This seminar will provide insights on statistical matching, highlighting main areas of application and the frequently encountered problems. The seminar will also cover recent proposals of applying statistical matching techniques to integrate a sample survey with a larger data source not arising from a sample survey.

All are invited to attend

Prof.ssa Daniela Cocchi