iSAS

nternational
nterdisciplinary
ntersectoral

UNICAM — Università di Camerino — 1336

School of Advanced Studies

HR EXCELLENCE IN RESEARCH

SAS ACTIVITIES 2015
to acquire transferable skills

Statistics and Data Management

Mauro Angeletti
UNICAM

Camerino
October 12, 13, 14, 15
from 2,30 pm to 6.30 pm
SAS Computer Room

PART 1. INTRODUCTION TO STATISTICS
1. Statistics and samples
2. Displaying data
3. Describing data
4. Estimating with uncertainty
5. Probability
6. Hypothesis testing

PART 2. PROPORTIONS AND FREQUENCIES
7. Analyzing proportions
8. Fitting probability models to frequency data
9. Contingency analysis: associations between categorical variables

PART 3. COMPARING NUMERICAL VALUES
10. The normal distribution
11. Inference for a normal population
12. Comparing two means
13. Which test should I use?
14. Designing experiments
15. Comparing means of more than two groups
16. ANOVA and post-hoc tests

PART 4. REGRESSION AND CORRELATION
17. Correlation between numerical variables
18. Regression
19. Fitting Models to experimental data

NOTES:
All the topics will be followed by hands-on sessions using R
(an open-source language for data analysis).
Reliable WiFi connection and individual PCs needed.

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