

BASIC BIostatISTICS FOR SPECIALISTS IN LABORATORY MEDICINE

Hotel Tivoli Oriente - Lisboa

26th January
Thursday

09h00 – 09h45 | **Types of variables, how to summarize and display categorical variables**
Andrea Padoan

09h45 – 10h30 | **How to summarize and display numerical variables**
Andrea Padoan

10h30 – 11h00 | Coffee Break

11h00 – 12h30 | **Practical Session**
Matteo Vidali and Andrea Padoan

12h30 – 13h30 | Lunch

13h30 – 14h15 | **Statistical inference. Central Limit Theorem and confidence intervals.**
Andrea Padoan

14h15 – 15h00 | **Statistical analysis of categorical data**
Matteo Vidali

15h00 – 15h15 | Coffee Break

15h15 – 16h00 | **Statistical analysis of numerical data**
Matteo Vidali

16h00 – 18h00 | **Practical Session**
Matteo Vidali and Andrea Padoan

27th January
Friday

09h00 – 09h45 | **Correlation and Regression**
Matteo Vidali

09h45 – 10h30 | **Practical Session**
Matteo Vidali and Andrea Padoan

10h30 – 11h00 | Coffee Break

11h00 – 11h45 | **Repeatability and Method comparison**
Matteo Vidali

11h45 – 12h30 | **Diagnostic accuracy study (Sensitivity, Specificity and ROC analysis)**
Andrea Padoan

12h30 – 14h00 | **Practical Session**
Matteo Vidali and Andrea Padoan

SPEAKERS:

Matteo Vidali

- Dirigente Medico Responsabile UOS Laboratorio di Biochimica,
- UOC Laboratorio analisi, Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milano, Italia
- Editore Associato di Biochimica Clinica
- Coordinatore del Gruppo di Studio SIBioC "Statistica per il Laboratorio"

Andrea Padoan

- Department of Medicine (DIMED)
- Department of Lab Medicine, Padova

REQUIREMENTS:

- Each participant needs to have own laptop
- Software used for practical examples: MedCalc (a bunch of licences will be available for free for a very limited time-period) or R with RCommander (graphical interface) or R Studio