

**Course on Medical statistics**  
**Prof.ssa Simona Iacobelli ay 2024-2025**

<b>Lesson</b>	<b>Timetable</b>	<b>Room</b>	<b>Argument</b>
28/11/2024	14:00 17:00	D29 – Faculty of Medicine and Surgery	<ul style="list-style-type: none"> <li>• Illustration of repeated sampling: CLT for the Mean</li> <li>• Point Estimation. Confidence intervals</li> <li>• Application to the mean and the proportion</li> <li>• Tools: Normal and Student-T distribution</li> </ul>
05/12/2024	14:00 17:00	1B5 – Faculty of Medicine and Surgery	<ul style="list-style-type: none"> <li>• Statistical testing. Relation to CI</li> <li>• Application to the mean and the proportion</li> <li>• Application to comparing groups: quantitative variable: T-Test</li> <li>• Application to cross-tables: Chi-Squared test</li> </ul>
12/12/2024	14:00 17:00	1A5 – Faculty of Medicine and Surgery	<ul style="list-style-type: none"> <li>• Notion of non-parametric tests. List of useful tests</li> <li>• Sample size calculation</li> </ul>
19/12/2024	14:00 17:00	1B5 – Faculty of Medicine and Surgery	<ul style="list-style-type: none"> <li>• Prob and odds to measure Event occurrence. Risk Ratio and Odds Ratio</li> <li>• Other measures of Event occurrence: rate, cum. Incidence, survival curve. IRR and HR</li> <li>• Introduction to the problem of censored data</li> </ul>

The course will be done in English. The frequency of the course is highly recommended for our PhD students.

You will need a minimum frequency of 75% to attend the final exam. You can follow the course in presence (preferably) or alternatively online by TEAMS.