



Sample Size Calculation

	Topic	Date	Hours
Day 1	Basic level 1	Tue 8 Apr: 7 – 9 PM	2
Day 2	Basic level 2	Sat 12 Apr: 7 – 9 PM	2
Day 3	Advanced level 1	Tue 15 Apr: 7 – 9 PM	2
Day 4	Advanced level 2	Sat 19 Apr: 7 – 9 PM	2
Day 5	Advanced level 3	Tue 22 Apr: 7 – 9 PM	2



Basic level (2 days):

- Risks of error in statistics
- The power of the study
- The 5 basic requirements
- The magic number 16
- Estimation of the power of a published manuscript

Advanced level (3 days):

- Effect size & sample size calculation for:
 - The non-centrality parameter
 - Compare 2 proportions
 - Compare 2 means
 - Binomial data
 - Ordered categorical data
 - Two medians
 - Multiple means (ANOVA)
 - Correlation coefficient r & simple regression
 - Multiple linear regression
 - Logistic regression
 - Paired design
- Application on G-power software and online calculators

