

LANGEBIO - BIOSTATISTICS

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NOTE: These are the notes for the course of Biostatistics given in LANGEBIO during April 2012. You can download the notes for personal use, however some of the data and programs used are not yet in the public domain, thus they must be considered confidential. Also note that these documents had not been completely reviewed and thus could contain errors. Consider them as a draft and, please, do not post or pass to others without the consent of the author

Please send any comments or corrections to
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with subject: *ABOUT BIOSTATISTICS NOTES*. Thank you in advance.
Octavio.

1. Content of the documents

- *Biostatistics2012_1.pdf*
 1. Aim of the course
 2. A brief introduction to R
- *Biostatistics2012_2.pdf*
 3. Probability Definitions
 4. Elemental Set Theory
- *Biostatistics2012_3.pdf*
 5. Random Experiments and Elemental Probability Theory
- *Biostatistics2012_4.pdf*
 6. Random Variables

Date: April 2012.

- *Biostatistics2012.5.pdf*
 7. Continuous Random Variables
 8. Expectation and Variance of Random Variables

- *Biostatistics2012.6.pdf*
 9. The Central Limit Theorem and an Approximate Confidence Interval for $E[\bar{X}]$

- *Biostatistics2012.7.pdf*
 10. Statistical Inference: Parameter Estimation

- *Biostatistics2012.8.pdf*
 11. Statistical Inference: Hypothesis Testing

- *Biostatistics2012.9.pdf*
 12. Design and Analysis of Experiments