

92.651 Biostatistics Syllabus

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This class will extend on the mathematical probability and statistics course. We will learn

- The R scripting language.
- T-test, analysis of variance, k means method
- Introduction to various technologies including NGS and microarray
- Diagnostic Tests
- Linkage disequilibrium
- Covariance Matrix
- Maximum Likelihood
- Normalization
- Bayesian Network
- Implementation of the above methods

Grades will be broken as such:

30% participation

40% homework

30% final exam

There is no official textbook for the course that we will be following.