Download Monte Carlo Methods

Monte Carlo methods, or Monte Carlo experiments, are a broad class of computational algorithms that rely on repeated random sampling to obtain numerical results.Monte Carlo methods are used in corporate finance and mathematical finance to value and analyze (complex) instruments, portfolios and investments by simulating the various sources of uncertainty affecting their value, and then determining the distribution of their value over the range of resultant outcomes.In general terms, the Monte Carlo method (or Monte Carlo simulation) can be used to describe any technique that approximates solutions to quantitative problems through statistical sampling.Monte Carlo simulation (MCS) is a technique that incorporates the variability in PK among potential patients (between-patient variability) when predicting antibiotic exposures, and allows calculation of the probability for obtaining a critical target exposure that drives a specific microbiological effect for the range of possible MIC values [45 ..., Monte Carlo Methods.

Other Files :