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**Javad Namazi\*** ([namazi@fdu.edu](mailto:namazi@fdu.edu)), FDU, 285 Madison avenue, Madison, NJ 07930. *Essential statistics for mathematics majors*. Preliminary report.

Designing a one-semester statistics course for mathematics and computer science majors who have not been exposed to probability before can be a challenge since the instructor has to sift through the high volume of pre-requisite probability theory to pick the most essential items in order to most rapidly get to the main goal of covering enough of basic statistics. We discuss some strategies and challenges. (Received September 12, 2016)