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Teaching Statistics in Academic Medical Research Institutions

Introductory courses in biostatistics aimed at medical residents have traditionally had limited success. In this talk we will discuss the Online Modular Research Methods Course (http://ResearchMethods.dal.ca) which employs video podcasts, downloadable PDF lecture notes, embedded content mastery quizzes, custom GUI-driven graphical tools, as well as synchronous and asynchronous methods of teaching/learning to leverage the inherent synergistic relationships between content, pedagogy, and technology. The course is developed and delivered using open source software (R, LaTeX, Moodle) and is freely accessible under the Creative Commons Canada 2.5 License, and is customizable for the needs of individual medical residency programs.