



The CaRDS Institute

*An Institute for Computation and Research
in Data Science*



A Model for Physician Scheduling That Incorporates Individual Shift-Type Preferences

The default approach for scheduling hospital coverage is to distribute the various types of shifts equally among the covering physicians. This “equality” approach insures that each physician works his/her fair share of overnights, weekends, etc. We present a new integer programming-based model that incorporates individual shift-type preferences so that each physician attains a schedule that is equivalent or superior to his/her “equality” schedule. We describe an application of the new approach for a neonatology group and provide insights.

Speaker- Dr. Melissa Bowers

*Department of Business Analytics and Statistics, The University of Tennessee
J. Kirk Bass, Regional Neonatal Associates, Knoxville, Tennessee 37920*

Friday, February 17th at 3:00

Room 225 of Nicks Hall

Refreshments will be served before the seminar!