//	file:	miexample-figures.pdf
//	purpose:	multiple imputation example – figures from miexample.do
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//		
//	These fig	gures are produced by the example Stata code in miexample.do
//	which ac	companies the following article:
//		
//	authors:	Catherine A. Manly, University of Massachusetts, Amherst
//		Ryan S. Wells, University of Massachusetts, Amherst
//		correspondence to: cmanly@educ.umass.edu
//	article:	Reporting the use of multiple imputation for missing data
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//	journal:	Research in Higher Education
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Figure 1 Investigating convergence for a single imputation chain (a single *m*) through plots of the imputed mean and standard deviation across iterations for two variables in order to assist in determining an appropriate number of burn-in iterations



Fig 2b. Investigating Convergence, 6 Selected Imputations



Figure 2 Investigating convergence across imputations for selected variables (for clarity of the plot, only m=3, 6, 9, 12, 15, and 18 are shown for one variable in figure 2b) through plots of the imputed mean and standard deviation across iterations, in order to assist in detecting any problematic divergence or general trends in the group of lines



Figure 3 Comparing observed and imputed data for whether a student was offered a financial aid loan using a frequency histogram for all imputations (m>0)



Figure 4 Comparing observed and imputed data for whether a student was offered a financial aid loan plotted against socio-economic status using a scatterplot for all imputations (m>0)



Figure 5 Comparing observed and imputed data for socio-economic status using separate box plots for each imputed dataset (m), where the box plot for observed data is indicated by "obs" at the far left, and where only imputed results are plotted for imputation numbers 1 through 20



Figure 6 Kernel density plot for the observed data and first 5 imputations of socio-economic status