



Intensive Longitudinal Data: Applications to Real-Time Health Data Collection

2018 APHS Breakfast Workshop

Common Software Options

ILD Task	SAS Procedure	R Function
Aggregated Statistics	PROC MEANS	aggregate()
Histograms	PROC SGPLOT <i>histogram</i>	ggplot() <i>geom_histogram()</i>
Box Plots	PROC SGPLOT <i>vbox</i>	ggplot() <i>geom_boxplot()</i>
Time Plots	PROC SGPLOT <i>scatter</i>	ggplot() <i>geom_smooth()</i>
Spaghetti Plots	PROC SGPLOT <i>series</i>	ggplot(), interaction.plot()
Continuous MLM	PROC MIXED	lmer()
Binary MLM	PROC GLIMMIX	glmer()
Count MLM	PROC GLIMMIX	glmer()
	PROC GENMOD	gamlssNP()
Joint MLM	PROC NL MIXED	dhglm()