Work

Trevor Freeland April 25, 2018

SNUM: subject ID SYS: systolic blood pressure (mmHg) (**Response Variable**) DIA: diastolic blood pressure (mmHg)

HRT: heart rate (beats per minute)

MNACT5: activity level (frequency of movements in 1-minute intervals, over a 10-minute period)

PHASE: menstrual phase (follicular—beginning with the end of menstruation and ending with ovulation, or luteal—beginning with ovulation and ending with pregnancy or menstruation)

DAY: workday or non-workday

POSTURE: position during blood pressure measurement—either sitting, standing, or reclining

STR, HAP, TIR: self-ratings by each nurse of their level of stress, happiness and tiredness at the time of each blood pressure measurement on a 5-point scale, with 5 being the strongest sensation of that feeling and 1 the weakest

AGE: age in years

FH123: coded as either NO (no family history of hypertension), YES (1 hypertensive parent), or YESYES (both parents hypertensive)

time: in minutes from midnight

timept: number of the measurement that day (approximately 50 for each subject)

time pass: time in minutes beginning with 0 at time point 1

Results

Model:

Level 1:

Level 2:

Stuff I need:

	Dependent variable:
	SYS
DAYW	17.420***
	(6.659)
AGE	3.216**
	(1.339)
HRT	1.294**
	(0.534)
НАР	1.167**
	(0.543)
MNACT5	0.525***
	(0.087)

7,859	
79.244*** (6.544)	
0.222 (0.628)	
0.922*** (0.332)	
0.107** (0.046)	
-0.266*** (0.097)	
-0.285*** (0.089)	
-1.388** (0.551)	
-1.370** (0.545)	
-0.619 (0.546)	
0.294 (0.548)	
-3.924** (1.737)	
-0.357* (0.210)	
5.990** (2.529)	
-2.434* (1.340)	
-1.606 (1.444)	
16.570*** (4.290)	
9.203** (4.196)	
	(4.196) 16.570*** (4.290) -1.606 (1.444) -2.434* (1.340) 5.990** (2.529) -0.357* (0.210) -3.924** (1.737) 0.294 (0.548) -0.619 (0.546) -1.370** (0.545) -1.388** (0.551) -0.285*** (0.089) -0.266** (0.097) 0.107** (0.046) 0.922*** (0.332) 0.222 (0.628) 79.244*** (6.544)

Log Likelihood -31,055.720 Akaike Inf. Crit. 62,163.440 Bayesian Inf. Crit. 62,344.640

*p<0.1; **p<0.05; ***p<0.01 Note: