

# Happy Hours: Rubia Okulicz-Kozaryn Golden

Sunday 17<sup>th</sup> May, 2020 13:59

1 may17

**Lonnie** pls have a look at description of vars below and descriptive stats to make sure these make sense and no errors; also do we need any other vars?

its all pooled gss 1972-2018 with all the variables, below those that i thought were useful

variable name	storage type	display format	value label	variable label
swb	byte	%15.0g	swb_lbl	* SWB
hrs1	byte	%8.0g	HRS1	* number of hours worked last week
hrs2	byte	%8.0g	HRS2	number of hours usually work a week
hr	byte	%9.0g		* paid by the hour
sethrs	byte	%37.0g	_sethrs	* decide working hours
sethours	byte	%8.0g	SETHOURS	* who set working hours
hrsmoney	byte	%8.0g	HRSMONEY	* hours v money
chn_sch	byte	%9.0g	revchngtme	* can change schedule
paidhow	byte	%8.0g	PAIDHOW	how are you paid
famwkoff	byte	%15.0g	revfamwkoff	not hard to take time off
usualhrs	byte	%8.0g	USUALHRS	how many hrs/week do you usually work
mosthrs	int	%8.0g	MOSTHRS	most hrs/week worked in past month
leasthrs	int	%8.0g	LEASTHRS	fewest hrs/week worked in past month
usualhrs	byte	%8.0g	USUALHRS	how many hrs/week do you usually work
mostUsual	float	%9.0g		* most hrs per week past month/usual hours
leastUsual	float	%9.0g		* fewest hrs per week past month/usual hours
advsched	byte	%8.0g	ADVSCHEd	* how far in advance do you schedule work
wrkshift	byte	%23.0g	_w	RECODE of wrkshift (what is your working schedule)
timeoff	byte	%8.0g	TIMEOFF	* difficult to take hour or two off
union	byte	%8.0g	UNION	does r or spouse belong to union
age	byte	%8.0g	AGE	* age
age2	float	%9.0g		age squared
mar	float	%9.0g		* married
realinc	double	%12.0g	LABIH	* family income in \$1986 \$, millions
educ	byte	%8.0g	LABK	* highest year of school completed
male	byte	%8.0g	SEX	* male
hompop	byte	%8.0g	HOMPOP	* number of persons in household
white	byte	%9.0g		* white

Variable	Obs	Mean	Std. Dev.	Min	Max
swb	59,614	2.185527	.6377233	1	3
hrs1	37,276	41.24608	14.14316	0	89
hrs2	1,222	39.05401	13.53245	0	89
hr	522	.6360153	.4816058	0	1
sethrs	578	1.83045	1.081901	0	4
sethours	1,840	1.67663	.6919859	1	3
hrsmoney	3,474	1.731146	.5686123	1	3
chn_sch	5,829	2.564762	1.238315	1	4
paidhow	585	2.415385	2.783286	1	20
famwkoff	7,250	3.049379	1.000229	1	4
usualhrs	574	40.70732	13.35532	0	99
mosthrs	569	47.79086	17.47564	2	145
leasthrs	574	32.95296	15.26792	0	135
usualhrs	574	40.70732	13.35532	0	99
mostUsual	565	1.21439	.4283792	.1333333	6
leastUsual	570	.8136588	.3144573	0	3.375
advsched	578	4.491349	2.360293	1	7
wrkshift	919	1.29815	.5738556	1	3
timeoff	1,942	1.963955	1.036549	1	4
union	44,246	3.556502	1.001595	1	4
age	64,127	46.11211	17.52712	18	89
age2	64,127	2433.521	1771.803	324	7921
mar	64,326	.5260081	.499327	0	1
realinc	57,864	3.18e-08	2.96e-08	2.27e-10	1.63e-07
educ	64,176	12.86436	3.179797	0	20
male	64,353	.4383168	.4961844	0	1
hompop	64,347	2.643806	1.506892	1	16
white	64,353	.8027287	.3979419	0	1

(obs=562)

	mosthrs	leasthrs	usualhrs	mostUsual	leastUsual
mosthrs	1.0000				
leasthrs	0.5794	1.0000			
usualhrs	0.7442	0.6387	1.0000		
mostUsual	0.3676	-0.0620	-0.2367	1.0000	
leastUsual	0.1077	0.6944	-0.0231	0.1354	1.0000

**Lonnie, Rubia:** need to decide what models we need, which specific other variables want to look at and how add controls as elaborating, but here is a start

i like tab 1—significant and makes sense—the less a person worked relative to usual, the happier she is :); and oopsite with most

**Table 1:** .

	a1	a2	a3	a4	a5
fewest hrs per week past month/usual hours	0.12	0.21*	0.17+	0.14	0.08
most hrs per week past month/usual hours	-0.12*	-0.15**	-0.14**	-0.14*	-0.10
family income in 1986, millions		4.16e+06***	2.18e+06*	1.75e+06+	1.39e+06
age		0.01	0.01	0.01	0.01
age squared		-0.00	-0.00	-0.00	-0.00
married		0.29***	0.27***	0.30***	0.30***
highest year of school completed		-0.01	-0.02	-0.03*	-0.03*
male		0.09	0.08	0.08	0.08
number of persons in household		-0.01	-0.01	0.01	0.01
white		0.07	0.08	0.05	0.05
number of hours worked last week			0.00	0.00	0.00
health				0.15***	0.16***
decide working hours					-0.02
paid by the hour					-0.16*
constant	2.24***	2.05***	1.97***	1.52***	1.97***
N	560	532	526	513	466

\*\*\* p<0.001, \*\* p<0.01, \* p<0.05, + p<0.1; robust std err

in 2 mostLeastUsual quite robust too, but not sure how to interpret  $(mosthrs - leasthrs)/usualhrs$

Table 2: .

	b1	b2	b3	b4	b5
(mosthrs-leasthrs)/usualhrs	-0.12*	-0.17***	-0.14**	-0.14**	-0.09
family income in 1986, millions		4.13e+06***	2.15e+06*	1.75e+06+	1.41e+06
age			0.01	0.01	0.01
age squared			-0.00	-0.00	-0.00
married			0.29***	0.27***	0.30***
highest year of school completed			-0.01	-0.02	-0.03*
male			0.10	0.08	0.07
number of persons in household			-0.02	-0.01	0.01
white			0.07	0.08	0.05
number of hours worked last week				0.00	0.00
health				0.15***	0.16***
decide working hours					-0.02
paid by the hour					-0.16*
occupation and region dummies	no	no	yes	yes	yes
constant	2.24***	2.11***	1.99***	1.52***	1.95***
N	560	532	526	513	466

\*\*\* p<0.001, \*\* p<0.01, \* p<0.05, + p<0.1; robust std err

in 3 quite robust again

Table 3: .

	c1	c2	c3	c4	c5
advshed==2 to 3 days in advance	-0.13	-0.07	-0.11	-0.12	-0.10
advshed==4 to 7 days in advance	-0.17+	-0.18*	-0.19*	-0.20*	-0.25*
advshed==between 1 and 2 weeks in advance	-0.20*	-0.19*	-0.20*	-0.21*	-0.18*
family income in 1986, millions		3.99e+06***	2.01e+06*	1.58e+06+	1.23e+06
age			0.01	0.01	0.01
age squared			-0.00	-0.00	-0.00
married			0.29***	0.26***	0.31***
highest year of school completed			-0.01	-0.02+	-0.03*
male			0.10+	0.08	0.08
number of persons in household			-0.01	-0.01	0.01
white			0.07	0.09	0.07
number of hours worked last week				0.00	0.00
health				0.14***	0.16***
decide working hours					-0.02
paid by the hour					-0.17*
occupation and region dummies	no	no	yes	yes	yes
constant	2.25***	2.10***	2.12***	1.63***	2.05***
N	576	545	538	521	471

\*\*\* p<0.001, \*\* p<0.01, \* p<0.05, + p<0.1; robust std err

Table 4: .

	d1	d2	d3	d4	d5
wrk stat: working part time	-0.01	-0.01	-0.01	-0.03*	0.02
wrk stat: temp not working	-0.06**	-0.07***	-0.05**	0.00	0.00
family income in 1986, millions		3.83e+06***	2.18e+06***	1.56e+06***	1.21e+06
age			-0.01***	-0.01***	0.01
age squared			0.00***	0.00***	-0.00
married			0.28***	0.25***	0.31***
highest year of school completed			0.01***	0.00	-0.03*
male			-0.04***	-0.04***	0.09
number of persons in household			-0.01***	-0.01*	0.01
white			0.08***	0.07***	0.06
number of hours worked last week				0.00	0.00
health				0.19***	0.16***
decide working hours					-0.04
paid by the hour					-0.19**
occupation and region dummies	no	no	yes	yes	yes
constant	2.19***	2.07***	2.13***	1.58***	1.90***
N	59599	53759	50662	23305	471

\*\*\* p<0.001, \*\* p<0.01, \* p<0.05, + p<0.1; robust std err

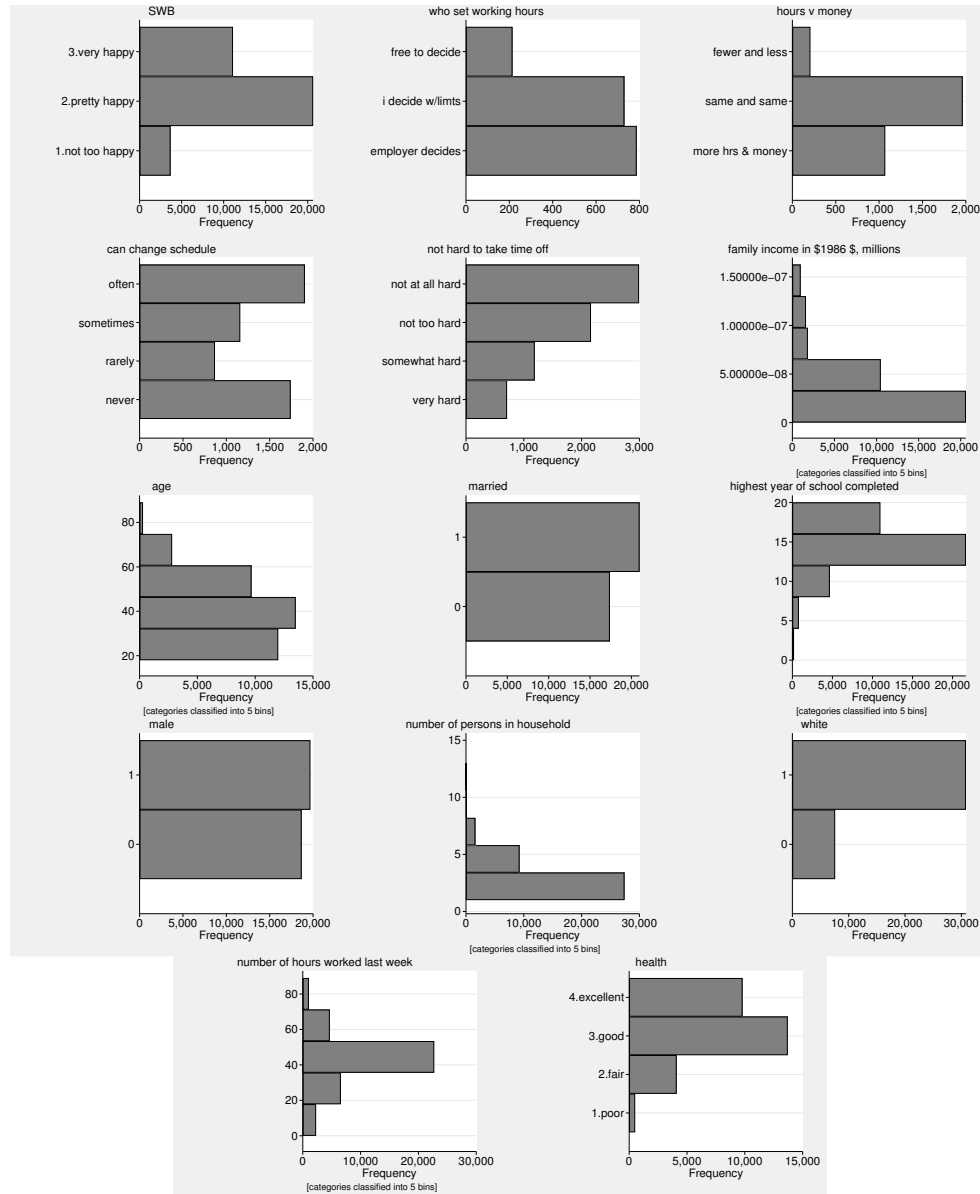


Figure 1: Variables' distribution.

Table 5: .

	a1	a2	a3	a4
fewest hrs/week worked in past month	0.01*	0.01**	0.01**	0.01*
most hrs/week worked in past month	-0.00	-0.00	-0.00	-0.00
family income in \$1986, millions		3.92***	2.03*	1.71+
age			0.01	0.01
age squared			-0.00	-0.00
married			0.29***	0.26***
highest year of school completed			-0.01	-0.02
male			0.08	0.08
number of persons in household			-0.01	-0.01
white			0.07	0.07
number of hours worked last week				0.00
health				0.15***
occupation and region dummies	no	no	yes	yes
constant	2.01***	1.92***	1.86***	1.41***
N	565	536	530	517

**Table 6: .**

	a1	a2	a3	a4
schedule or shift regularly changes	-0.07	-0.08	-0.09	-0.07
daily working times are decided at short notice	-0.25**	-0.28**	-0.29***	-0.32***
family income in \$1986, millions		4.12***	2.07**	1.88*
age			-0.01	0.01
age squared			0.00	-0.00
married			0.30***	0.28***
highest year of school completed			-0.01	-0.02
male			0.09*	0.11+
number of persons in household			-0.02	-0.00
white			0.01	0.07
number of hours worked last week				0.00
health				0.13***
occupation and region dummies	no	no	yes	yes
constant	2.20***	2.05***	2.48***	1.62***
N	920	862	850	517

## ONLINE APPENDIX

[note: this section will NOT be a part of the final version of the manuscript, but will be available online instead] !!! have most of the stuff outputted to online appendix:)-start with that and then select stuff to paper-have brief narrative describing patterns in online app too !!!

## Variables' definitions, coding, and distributions

**Table 7:** Variable definitions.

name	description
SWB	GENERAL HAPPINESS "Taken all together, how would you say things are these days--would you say that you are very happy, pretty happy, or not too happy?"
<b>flextime:</b>	
who set working hours	WHO SET WORKING HOURS " Which of the following statements best describes how your working hours are decided? (By working hours we mean here the times you start and Finish work, and not the total hours you work per week or month.)"
can change schedule	HOW OFTEN R ALLOWED CHANGE SCHEDULE " How often are you allowed to change your starting and quitting times on a daily basis?"
<b>controls:</b>	
family income in \$1986, millions	Income variables ( INCOME72 , INCOME , INCOME77 , INCOME82 , INCOME86 , INCOME91 , INCOME98 , INCOME06 ) are recoded in six-digit numbers and converted to 1986 dollars. The collapsed numbers above are for convenience of display only. Since this variable is based on categorical data, income is not continuous, but based on categorical mid-points and imputations. For details see GSS Methodological Report No. 64.
age	age of respondent
married	MARITAL STATUS "Are you currently--married, widowed, divorced, separated, or have you never been married?" NOTE: variable recoded to 1 if married, 0 otherwise
highest year of school completed	HIGHEST YEAR OF SCHOOL COMPLETED A. "What is the highest grade in elementary school or high school that (you/your father/ your mother/your [husband/wife]) finished and got credit for? " CODE EXACT GRADE.; B. IF FINISHED 9th-12th GRADE OR DK*: "Did (you/he/she) ever get a high school diploma or a GED certificate?" [SEE D BELOW.]; C. "Did (you/he/she) complete one or more years of college for credit--not including schooling such as business college, technical or vocational school?" IF YES: "How many years did (you/he/she) complete?"
male	male
number of persons in household	NUMBER OF PERSONS IN HOUSEHOLD "Household Size and Composition"
white	RACE "What race do you consider yourself?"
number of hours worked last week	IF WORKING, FULL OR PART TIME: "How many hours did you work last week, at all jobs?"
health	CONDITION OF HEALTH "Would you say your own health, in general, is excellent, good, fair, or poor?"

**Table 8:** .

	a1	a2	a3	a4
who set working hours (base: i decide w/limits):				
employer decides	-0.02	0.02	0.04	0.03
free to decide	0.23***	0.19**	0.18*	0.12
family income in \$1986, millions		3.44***	1.58	0.88
age			-0.02+	-0.01
age squared			0.00	0.00
married			0.27***	0.27***
highest year of school completed			0.01	0.01
male			-0.04	-0.04
number of persons in household			0.00	0.00
white			0.06	0.03
number of hours worked last week				-0.00
health				0.16***
occupation and region dummies	no	no	yes	yes
occupation and region dummies	no	no	yes	yes
constant	2.22***	2.08***	2.26***	1.68***
N	827	761	756	711

Table 9

	c1	c2	c3	c4
can change schedule (base: never):				
rarely	-0.01	-0.02	-0.01	-0.01
sometimes	0.04	0.02	0.03	0.04
often	0.13***	0.06**	0.06*	0.07*
family income in \$1986, millions		3.02***	1.56***	0.85*
age			-0.01**	-0.01*
age squared			0.00**	0.00+
married			0.27***	0.29***
highest year of school completed			0.01*	0.00
male			-0.04+	-0.04
number of persons in household			-0.00	0.00
white			0.02	0.01
number of hours worked last week				0.00
health				0.17***
occupation and region dummies	no	no	yes	yes
constant	2.14***	2.05***	2.26***	1.69***
N	4990	4576	4547	2944

Table 10

	d1	d2	d3	d4
not hard to take time off (base: very hard):				
somewhat hard	0.00	-0.00	-0.00	-0.03
not too hard	0.07*	0.06*	0.05+	0.03
not at all hard	0.15***	0.13***	0.13***	0.09*
family income in \$1986, millions		3.33***	1.74***	1.00**
age			-0.01***	-0.01*
age squared			0.00**	0.00*
married			0.27***	0.30***
highest year of school completed			0.01+	0.00
male			-0.02	-0.02
number of persons in household			-0.00	0.01
white			0.01	0.01
number of hours worked last week				0.00*
health				0.18***
occupation and region dummies	no	no	yes	yes
constant	2.11***	1.99***	2.20***	1.61***
N	6411	5920	5877	3799

Table 11: .

	a3beta	a4beta	c3beta	c4beta	d3beta	d4beta
who set working hours (base: i decide w/limits):						
employer decides	0.04	0.03				
free to decide	0.09*	0.06				
can change schedule (base: never):						
rarely			-0.01	-0.01		
sometimes			0.02	0.02		
often			0.05*	0.05*		
not hard to take time off (base: very hard):						
somewhat hard					-0.00	-0.02
not too hard					0.04+	0.02
not at all hard					0.10***	0.07*
family income in \$1986, millions	0.07	0.04	0.09***	0.05*	0.10***	0.05**
age	-0.38+	-0.23	-0.29**	-0.25*	-0.27***	-0.24*
age squared	0.35	0.22	0.24**	0.20+	0.23**	0.19*
married	0.22***	0.23***	0.22***	0.24***	0.22***	0.24***
highest year of school completed	0.05	0.02	0.04*	0.02	0.03+	0.01
male	-0.03	-0.03	-0.03+	-0.03	-0.02	-0.02
number of persons in household	0.00	0.00	-0.01	0.01	-0.00	0.02
white	0.04	0.02	0.01	0.01	0.01	0.01
number of hours worked last week		-0.00		0.03		0.04*
health		0.19***		0.20***		0.21***
occupation and region dummies	yes	yes	yes	yes	yes	yes
constant	***	***	***	***	***	***
N	756	711	4547	2944	5877	3799

Table 12: .

	a3beta	a4beta	c3beta	c4beta	d3beta	d4beta
who set working hours	0.02	0.01				
can change schedule			0.04**	0.05*		
not hard to take time off					0.08***	0.07***
family income in \$1986, millions	0.07	0.04	0.09***	0.05*	0.10***	0.05**
age	-0.41+	-0.24	-0.29**	-0.25*	-0.27***	-0.23*
age squared	0.38+	0.23	0.24**	0.20+	0.23**	0.19*
married	0.23***	0.23***	0.22***	0.24***	0.22***	0.24***
highest year of school completed	0.05	0.02	0.04*	0.02	0.03+	0.01
male	-0.03	-0.03	-0.03+	-0.03	-0.02	-0.02
number of persons in household	0.00	0.00	-0.01	0.01	-0.00	0.01
white	0.04	0.02	0.01	0.01	0.01	0.01
number of hours worked last week		-0.00		0.03		0.04*
health		0.19***		0.20***		0.22***
occupation and region dummies	yes	yes	yes	yes	yes	yes
constant	***	***	***	***	***	***
N	756	711	4547	2944	5877	3799

## References

OKULICZ-KOZARYN, A. AND L. GOLDEN (2017): "Happiness is flextime," *Applied Research in Quality of Life*.