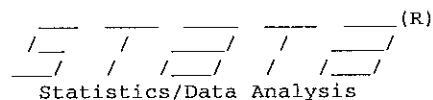


Sample Table. Characteristics of CARDIA participants who abstain from alcohol or drink moderately (1-13 drinks/week)

Characteristic	Abstainer	Moderate drinker	p-value ^b
	N=1755	N=1614	
Age, years +/- SD	40 +/- 4	40 +/- 3	.049
Gender/ethnicity, n (%)			
- African American women	667 (38%)	322 (20%)	<.001
- Caucasian women	477 (27%)	506 (31%)	
- African American men	316 (18%)	285 (18%)	
- Caucasian men	295 (17%)	501 (31%)	
Education attained, n (%)			
- High school	424 (24%)	307 (19%)	<.001
- College	1024 (59%)	890 (55%)	
- Post-college	301 (17%)	415 (26%)	
Smoking status, n (%)			
- Never	1184 (68%)	914 (57%)	<.001
- Past	286 (16%)	326 (20%)	
- Current	282 (16%)	372 (23%)	

^a - Note that some 41 participants are missing data on income, 8 missing education, 5 missing smoking status, and 12 missing physical activity report.

^b - p-value refers to a t-test (for age), a χ^2 test of trend (for education, smoking status, and physical activity) or an unordered χ^2 test (for Gender/ethnicity).



User: Mark Pletcher

```

name: <unnamed>
log: M:\Aardvark\Epi teaching\Biostat212\Demo 6 test folder\Demo 6 - Table
> 1.smcl
log type: smcl
opened on: 10 Sep 2013, 17:23:30

```

```

1 .
2 . /*      Demo for Session 6
>      Open CARDIA dataset
>      Make a table 1 for modalc
> */
3 .
4 . clear

5 .
6 . use "CARDIA.dta", clear

7 .
8 .
9 . ** Exclude pts who are heavy drinkers
10 . drop if alccat>2 | alccat==.
    (1746 observations deleted)

11 . tab modalc, missing

```

modalc	Freq.	Percent	Cum.
Abstainer	1,755	52.09	52.09
Moderate drinker	1,614	47.91	100.00
Total	3,369	100.00	

```

12 .
13 . ** Analyze
14 . ttest age, by(modalc)

```

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
Abstaine	1755	40.02621	.0898931	3.765867	39.8499	40.20252
Moderate	1614	40.27323	.0870342	3.496567	40.10252	40.44395
combined	3369	40.14455	.0627275	3.640895	40.02157	40.26754
diff		-.2470234	.1255114		-.4931097	-.0009371

```

diff = mean(Abstaine) - mean(Moderate)      t = -1.9681
Ho: diff = 0                                degrees of freedom = 3367

```

Ha: diff < 0
Pr(T < t) = 0.0246

Ha: diff != 0
Pr(|T| > |t|) = 0.0491

Ha: diff > 0
Pr(T > t) = 0.9754

```

15 .
16 . tabulate racegender modalc, col chi2

```

Key
frequency
column percentage

racegender	modalc		Total
	Abstainer	Moderate	
Black women	667 38.01	322 19.95	989 29.36
White women	477 27.18	506 31.35	983 29.18
Black men	316 18.01	285 17.66	601 17.84
White men	295 16.81	501 31.04	796 23.63
Total	1,755 100.00	1,614 100.00	3,369 100.00

Pearson chi2(3) = 170.5125 Pr = 0.000

17 .
18 . tabulate educat modalc, col chi2

Key
<i>frequency</i> <i>column percentage</i>

Education categories	modalc		Total
	Abstainer	Moderate	
<high school	424 24.24	307 19.04	731 21.75
college	1,024 58.55	890 55.21	1,914 56.95
graduate+	301 17.21	415 25.74	716 21.30
Total	1,749 100.00	1,612 100.00	3,361 100.00

Pearson chi2(2) = 40.7420 Pr = 0.000

19 .
20 . tabulate smoke modalc, col chi2

Key
<i>frequency</i> <i>column percentage</i>

smoking status	modalc		Total
	Abstainer	Moderate	
never	1,184 67.58	914 56.70	2,098 62.37
past	286 16.32	326 20.22	612 18.19
current	282 16.10	372 23.08	654 19.44

Total	1,752	1,612	3,364
	100.00	100.00	100.00

Pearson $\chi^2(2) = 43.9969$ Pr = 0.000

21 .
 22 .
 23 . ** p-values
 24 . tabodds modalc educat

educat	cases	controls	odds	[95% Conf. Interval]	
<high s~l	307	424	0.72406	0.62515	0.83861
college	890	1024	0.86914	0.79448	0.95082
graduate+	415	301	1.37874	1.18861	1.59928

Test of homogeneity (equal odds): $\chi^2(2) = 40.73$
 Pr> $\chi^2 = 0.0000$

Score test for trend of odds: $\chi^2(1) = 36.73$
 Pr> $\chi^2 = 0.0000$

25 . tabodds modalc smoke

smoke	cases	controls	odds	[95% Conf. Interval]	
never	914	1184	0.77196	0.70813	0.84154
past	326	286	1.13986	0.97250	1.33603
current	372	282	1.31915	1.13002	1.53994

Test of homogeneity (equal odds): $\chi^2(2) = 43.98$
 Pr> $\chi^2 = 0.0000$

Score test for trend of odds: $\chi^2(1) = 42.24$
 Pr> $\chi^2 = 0.0000$

26 .
 27 .
 28 .
 29 .
 30 . log close
 name: <unnamed>
 log: M:\Aardvark\Epi teaching\Biostat212\Demo 6 test folder\Demo 6 - Table
 > 1.smcl
 log type: smcl
 closed on: 10 Sep 2013, 17:23:30

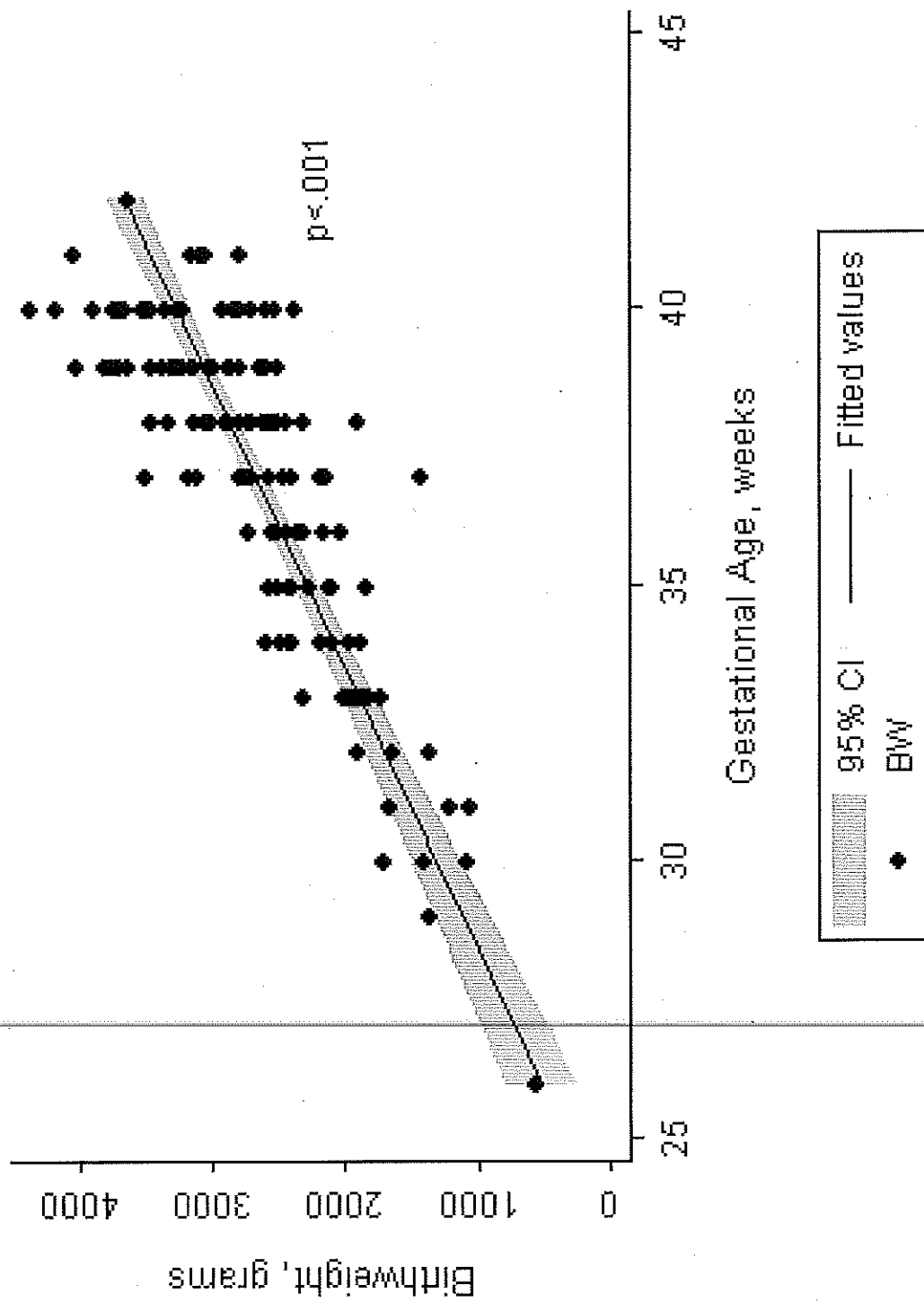
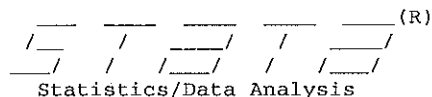


Figure Legend

Figure. Association between birthweight and gestational age in newborns born to mothers using methadone.

The correlation between birthweight and gestational age was 0.82 ($p < .001$).



User: Mark Pletcher

```

name: <unnamed>
log: M:\Aardvark\Epi teaching\Biostat212\Lab test folder\Sample figure.smc
> 1
log type: smcl
opened on: 10 Sep 2013, 17:29:39

1 .
2 .
3 .
4 . use "M:\Aardvark\Epi teaching\Biostat212\Datasets\Neonatal.dta", clear

5 .
6 .
7 .
8 . twoway (lfitci bw gestage, clcolor(black))          ///
>          (scatter bw gestage, mcolor(black))          ///
>          , caption(p<.001, position(3) ring(0) margin(vlarge))  ///
>          graphregion(fcolor(white) lcolor(none))          ///
>          ytitle("Birthweight, grams", size(medium) margin(medium))
>          ///
>          xtitle("Gestational Age, weeks", size(medium) margin(medium))
>          ///
>          ylabel(, nogrid)
>          ///
>          name(Lab6_scatter, replace)                    ///
>          saving("Lab6_scatter.gph", replace)
(file Lab6_scatter.gph saved)

9 .
10 . graph export "Sample.png", replace
(file Sample.png written in PNG format)

11 .
12 .
13 . pwcorr bw gestage, sig

```

	bw gestage	
bw	1.0000	
	0.8232	1.0000
gestage	0.0000	

```

14 .
15 .
16 . log_close
name: <unnamed>
log: M:\Aardvark\Epi teaching\Biostat212\Lab test folder\Sample figure.smc
> 1
log type: smcl
closed on: 10 Sep 2013, 17:29:40

```