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name: <unnamed>
log: /Users/yushujiang/Desktop/ECO220/Labs/Problemset6/analysis/jiang_ps6_
> 2.log
log type: text
opened on: 2 Dec 2018, 15:29:45

```

```
. scatter sbp gestage
```

```
. regress gestage sbp
```

Source	SS	df	MS	Number of obs	=	100
Model	50.1984761	1	50.1984761	F(1, 98)	=	8.40
Residual	585.591524	98	5.97542371	Prob > F	=	0.0046
				R-squared	=	0.0790
				Adj R-squared	=	0.0696
Total	635.79	99	6.42212121	Root MSE	=	2.4445

gestage	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
sbp	.0624452	.0215446	2.90	0.005	.0196907 .1051998
_cons	25.95008	1.043359	24.87	0.000	23.87957 28.02059

```
. regress gestage sbp if sex ==0
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Source	SS	df	MS	Number of obs	=	56
Model	34.3238458	1	34.3238458	F(1, 54)	=	4.52
Residual	409.801154	54	7.58891026	Prob > F	=	0.0380
				R-squared	=	0.0773
				Adj R-squared	=	0.0602
Total	444.125	55	8.075	Root MSE	=	2.7548

gestage	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
sbp	.0708804	.0333287	2.13	0.038	.0040605 .1377004
_cons	25.58159	1.591746	16.07	0.000	22.39033 28.77285

```
. regress gestage sbp if sex == 1
```

Source	SS	df	MS	Number of obs	=	44
Model	16.9214452	1	16.9214452	F(1, 42)	=	4.07
Residual	174.714918	42	4.15987901	Prob > F	=	0.0501
				R-squared	=	0.0883
				Adj R-squared	=	0.0666
Total	191.636364	43	4.45665962	Root MSE	=	2.0396

gestage	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
sbp	.0531361	.0263458	2.02	0.050	-.0000319 .1063041
_cons	26.3658	1.297952	20.31	0.000	23.74643 28.98518

```
. desc sex
```

variable name	storage type	display format	value label	variable label
sex	double	%9.0f	sex	gender

```
. label list sex
sex:
      0 Female
      1 Male

. scatter sbp gestage if sex == 0

. twoway(scatter sbp gestage) (lfit sbp gestage), by(sex)

. cmdlog close
(cmdlog /Users/yushujiang/Desktop/ECO220/Labs/Problemset6/analysis/jiang_ps6_2.do
> closed)

. log close
  name: <unnamed>
  log:  /Users/yushujiang/Desktop/ECO220/Labs/Problemset6/analysis/jiang_ps6_
> 2.log
  log type: text
closed on:  4 Dec 2018, 13:30:12
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```