

```
. log using "\\tsclient\home\HW1.smcl", replace
```

```
-----
      name: <unnamed>
      log:  \\tsclient\home\HW1.smcl
    log type: smcl
    opened on: 16 Jan 2018, 18:21:21
```

```
. use "\\tsclient\home\muni.dta", clear
```

```
. regress spendns_pc income_pc
```

Source	SS	df	MS	Number of obs	=	342
Model	5164424.76	1	5164424.76	F(1, 340)	=	42.85
Residual	40979189.1	340	120527.027	Prob > F	=	0.0000
				R-squared	=	0.1119
				Adj R-squared	=	0.1093
Total	46143613.9	341	135318.516	Root MSE	=	347.17

spendns_pc	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
income_pc	.0141782	.002166	6.55	0.000	.0099178 .0184386
_cons	520.7574	61.84877	8.42	0.000	399.103 642.4118

```
. predict yhat
(option xb assumed; fitted values)
```

```
. twoway (scatter spendns_pc income_pc) (line yhat income_pc)
```

```
. graph export "\\tsclient\home\Graph.png", as(png) replace
(file \\tsclient\home\Graph.png written in PNG format)
```

```
. sum income_pc, detail
```

```

              per capita income
-----
Percentiles      Smallest
 1%           15232       12400
 5%           17557       13360
10%           19156       14628      Obs          342
25%           21769       15232    Sum of Wgt.      342

50%           24891
              Largest      Mean          27207.59
75%           30347       58055      Std. Dev.    8679.846
90%           39560       59559      Variance    7.53e+07
95%           44310       64899      Skewness    1.877819
99%           58055       79640      Kurtosis    8.412223
```

```
. log close
      name: <unnamed>
      log:  \\tsclient\home\HW1.smcl
    log type: smcl
    closed on: 16 Jan 2018, 18:24:25
```

```
.
```