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 StataCorp
 4905 Lakeway Drive
 College Station, Texas 77845 USA
 800-STATA-PC <http://www.stata.com>
 979-696-4600 stata@stata.com
 979-696-4601 (fax)

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 CS

Notes:

1. Unicode is supported; see [help unicode_advice](#).

1 . import delimited C:\Users\sjorda13\Downloads\One.txt, delimiter(whitespace, collapse)
 (3 vars, 1000 obs)

2 . mean x

Mean estimation Number of obs = 1,000

	Mean	Std. Err.	[95% Conf. Interval]	
x	-.0317889	.0323493	-.0952692	.0316914

3 . mean y

Mean estimation Number of obs = 1,000

	Mean	Std. Err.	[95% Conf. Interval]	
y	3.804855	1.399547	1.058466	6.551245

4 . regress y x, vce(robust)

Linear regression Number of obs = 1,000
 F(1, 998) = 14.69
 Prob > F = 0.0001
 R-squared = 0.0047
 Root MSE = 44.176

	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
x	2.961987	.7728531	3.83	0.000	1.445384	4.478591
_cons	3.899014	1.409221	2.77	0.006	1.133637	6.66439

5 . regress y x

Source	SS	df	MS	Number of obs	=	1,000
Model	9171.93752	1	9171.93752	F(1, 998)	=	4.70
Residual	1947601.41	998	1951.50442	Prob > F	=	0.0304
				R-squared	=	0.0047
				Adj R-squared	=	0.0037
Total	1956773.34	999	1958.73208	Root MSE	=	44.176

	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
y						
x	2.961987	1.366273	2.17	0.030	.2808903	5.643084
_cons	3.899014	1.397638	2.79	0.005	1.156368	6.641659

6 . summarize x,detail

X					
Percentiles	Smallest				
1%	-2.437983	-3.505962			
5%	-1.846207	-3.220752			
10%	-1.38622	-2.978752	Obs	1,000	
25%	-.655637	-2.787122	Sum of Wgt.	1,000	
50%	-.0106794		Mean	-.0317889	
		Largest	Std. Dev.	1.022974	
75%	.6294492	2.851738			
90%	1.217732	2.996878	Variance	1.046476	
95%	1.650928	3.00076	Skewness	-.0750935	
99%	2.319606	3.229805	Kurtosis	3.10405	

7 . summarize y,detail

Y					
Percentiles	Smallest				
1%	-28.66239	-256.1954			
5%	-7.047789	-112.1366			
10%	-4.05758	-69.94718	Obs	1,000	
25%	-.4403911	-66.06818	Sum of Wgt.	1,000	
50%	2.093886		Mean	3.804855	
		Largest	Std. Dev.	44.25757	
75%	4.613745	273.3845			
90%	7.34207	339.9684	Variance	1958.732	
95%	9.624654	374.9954	Skewness	21.04282	
99%	41.39001	1203.064	Kurtosis	551.5644	

8 . predict res, residuals

9 . mean res

Mean estimation Number of obs = 1,000

	Mean	Std. Err.	[95% Conf. Interval]	
res	-1.07e-08	1.396263	-2.739945	2.739945

10 . summarize res, detail

Residuals				
	Percentiles	Smallest		
1%	-32.71794	-257.3376		
5%	-9.159476	-113.8247		
10%	-4.933096	-77.45083	Obs	1,000
25%	-3.07039	-68.6205	Sum of Wgt.	1,000
50%	-1.905126		Mean	-1.07e-08
		Largest	Std. Dev.	44.15372
75%	-.8795764	273.5266		
90%	1.035957	336.2061	Variance	1949.551
95%	5.335644	371.2841	Skewness	21.1347
99%	37.14957	1197.766	Kurtosis	554.0887

11 . histogram res
(bin=29, start=-257.33755, width=50.175972)

12 . graph export "C:\Users\sjordal3\Desktop\Graph_problemset1.pdf", as(pdf) replace
(file C:\Users\sjordal3\Desktop\Graph_problemset1.pdf written in PDF format)

13 .