

```

/* SAS program to conduct two-population */
/* t-test for unequal means; data are */
/* from text, exercise 6.4 */

```

```

data;
input y trt $;
cards;
152 a
157 a
179 a
182 a
172 a
149 a
384 b
369 b
354 b
375 b
366 b
423 b
;
proc ttest;
class trt;
var y;
run;

```

The TTEST Procedure

Statistics

Variable	trt	N	Lower CL		Upper CL		Lower CL		Upper CL	
			Mean	Mean	Mean	Std Dev	Std Dev	Std Dev	Std Err	
y	a	6	150.16	165.17	180.18	8.9278	14.303	35.079	5.839	
y	b	6	353.36	378.5	403.64	14.954	23.956	58.755	9.7801	
y	Diff (1-2)		-238.7	-213.3	-188	13.785	19.729	34.623	11.391	

T-Tests

Variable	Method	Variances	DF	t Value	Pr > t
y	Pooled	Equal	10	-18.73	<.0001
y	Satterthwaite	Unequal	8.16	-18.73	<.0001

Equality of Variances

Variable	Method	Num DF	Den DF	F Value	Pr > F
y	Folded F	5	5	2.81	0.2821