

- PROC TTEST
- PROC REG

PROC TTEST

```
PROC TTEST DATA=SAS-data-set<options>;  
CLASS variable;  
PAIRED variables;  
BY variables;  
VAR variables</options>;  
FREQ variable;  
WEIGHT variable;  
RUN;
```

UJI SATU CONTOH

```
data time;  
input time @@;  
datalines;  
43 90 84 87 116 95 86 99 93 92  
121 71 66 98 79 102 60 112 105 98  
;  
run;  
  
proc ttest data=time h0=89 alpha=0.1;  
var time;  
run;
```

Supaya terima H0

Uji dua arah

```
data time;  
input time @@;  
datalines;  
43 90 84 87 116 95 86 99 93 92  
121 71 66 98 79 102 60 112 105 98  
;  
run;  
  
proc ttest data=time h0=89 alpha=0.1 sides=U;  
var time;  
run;
```

Sides=U lebih dari (satu arah)

Sides=L kurang dari (satu arah)

Sides=2 dua arah

UJI DUA CONTOH SALING BEBAS

```
data scores;  
input Gender $ Score @@;  
datalines;  
f 75 f 76 f 80 f 77 f 80 f 77 f 73  
m 82 m 80 m 85 m 85 m 78 m 87 m 82  
;  
run;  
proc ttest data=scores;  
class Gender;  
var Score;  
run;
```

UJI DUA CONTOH BERPASANGAN

```
data pressure;  
input SBPbefore SBPafter @@;  
datalines;  
120 128 124 131 130 131 118 127  
140 132 128 125 140 141 135 137  
126 118 130 132 126 129 127 135  
;  
Proc ttest data=pressure;  
paired SBPbefore*SBPafter; (A*B= A-B)  
run;
```

PROC REG

```
PROC REG DATA=SAS-data-set<option>;  
<label:>MODEL dependents=<regressors></options>;  
OUTPUT <OUT=SAS-data-set><keyword=names> <...keyword=names> ;  
PLOT <yvariable*xvariable><=symbol> <...yvariable*xvariable>  
<=symbol></options>;  
RUN;  
QUIT;
```

```
data Class;
  input Name $ Height Weight Age @@;
  datalines;
Alfred 69.0 112.5 14 Alice 56.5 84.0 13 Barbara 65.3 98.0 13
Carol 62.8 102.5 14 Henry 63.5 102.5 14 James 57.3 83.0 12
Jane 59.8 84.5 12 Janet 62.5 112.5 15 Jeffrey 62.5 84.0 13
John 59.0 99.5 12 Joyce 51.3 50.5 11 Judy 64.3 90.0 14
Louise 56.3 77.0 12 Mary 66.5 112.0 15 Philip 72.0 150.0 16
Robert 64.8 128.0 12 Ronald 67.0 133.0 15 Thomas 57.5 85.0 11
William 66.5 112.0 15
;

proc reg;
  model Weight = Height age;
run;
quit;
ods graphics off;
```