

STAT 615

(Baron)

Data of type "Character" and PROC IMPORT

```
DATA presidents;                                /* COMMENTS: */
Length name $ 40;                               /* Introduce a string variable of at most 40 characters */
file presid firstobs=6 PAD;                     /* Tells SAS to read data starting from line 6 */

/* Option PAD tells SAS to fill the rest of each line with spaces, if variable "name" appears shorter than 40 characters */

Input expected 1-4 actual 7-10 name $ 13-40; /* Tells SAS that the first 4 columns contain variable */
/* "expected", columns 7-10 contain "actual", columns */
/* 13-33 contain "name" */
/* The dollar "$" says that "name" is a string variable */

PROC PRINT data=presidents;
run;
```

Obs	name	expected	actual
1	ANDREW JOHNSON	17.2	10.3
2	ULYSSES S. GRANT	22.8	16.4
3	RUTHERFORD B. HAYES	18.0	15.9
4	JAMES A. GARFIELD	21.2	0.5
5	CHESTER A. ARTHUR	20.1	5.2
6	GROVER CLEVELAND	22.1	23.3
7	BENJAMIN HARRISON	17.2	12.0
8	WILLIAM MCKINLEY	18.2	4.5
9	THEODORE ROOSEVELT	26.1	17.3
10	WILLIAM H. TAFT	20.3	21.2
11	WOODROW WILSON	17.1	10.9
12	WARREN G. HARDING	18.1	2.4
13	CALVIN COOLIDGE	21.4	9.4
14	HERBERT C. HOOVER	19.0	35.6
15	FRANKLIN D. ROOSEVELT	21.7	12.1
16	HARRY S. TRUMAN	15.3	27.7
17	DWIGHT D. EISENHOWER	14.7	16.2
18	JOHN F. KENNEDY	28.5	2.8
19	LYNDON B. JOHNSON	19.3	9.2

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/* Reading from Excel or other formats */

```
PROC IMPORT DATAFILE = "C:\...\presid.xls" /* Full path */
OUT = presidents /* Name the new dataset */
DBMS = EXCEL /* Type of external file */
REPLACE;
GETNAMES=YES; /* Read variable names from the 1st row */
run;
```

/* or, in SAS, use File -> Import data... (ask to see the generated code) */