sas 3장 연습문제

3-2 ~ 3-5

**data** car;

input SIZE$ MANUFACT$ MODEL$& MILEAGE RELIABLE INDEX;

cards;

Small Chevrolet Geo Prizm 33 5 4

Small Honda Civic 29 5 4

Small Toyota Corolla 30 5 4

Small Ford Escort 27 3 3

Small Dodge Colt 34 . .

Compact Ford Tempo 24 1 3

Compact Chrysler Le Baron 23 3 3

Compact Buick Skylark 21 3 3

Compact Plymouth Acclaim 24 3 3

Compact Chevrolet Corsica 25 2 3

Compact Pontiac Sunbird 24 1 3

Mid-Sized Toyota Camry 24 5 4

Mid-Sized Honda Accord 26 5 4

Mid-Sized Ford Taurus 20 3 3

;**run**;

**proc** **means** data=car mean std sum maxdec=**2**;

var mileage reliable

;**run**;

**proc** **means** data=car n nmiss min max range mean std cv;

var mileage reliable;

**run**;

**proc** **univariate** data=car;

var mileage reliable;

**run**;

**proc** **univariate** data=car;

histogram mileage reliable;

probplot mileage reliable;

qqplot mileage reliable;

**run**;

**proc** **univariate** data=car;

class size;

var mileage reliable;

**run**;

**proc** **freq** data=car ;

tables size manufact reliable index/missing;

**run**;

**proc** **freq** data=car;

tables size\*manufact size\*index;

**run**;

**proc** **plot** data=car;

plot mileage\*reliable=model;

**run**;

**proc** **chart** data=car;

hbar size manufact;

pie size manufact;

**run**;

**proc** **chart** data=car;

vbar size/sumvar=mileage type=mean;

**run**;

3-7 ~ 3-8

**data** score;

input Name$ Gender$ Status Year Section$ Score Finalscore;

cards;

Abbott F 2 97 A 90 87

Branford M 1 98 A 92 97

Crandell M 2 98 B 81 71

Dennison M 1 97 A 85 72

Edgar F 1 98 B 89 80

Faust M 1 97 B 78 73

Greeley F 2 97 A 82 91

Hart F 1 98 B 84 80

Isley M 2 97 A 88 86

Jasper M 1 97 B 91 93

;**run**;

**proc** **means** data=score maxdec=**2**;

class Status Year;

var score;

**run**;

**proc** **plot** data=score;

plot finalscore\*score=gender;

**run**;