**A**

OPTIONS pageno=**1**;

FILENAME agpop 'C:\agpop.dat';

/\* First we will read in the entire data set including

all 3078 records.

\*/

**DATA** frameini;

INFILE agpop;

INPUT county $ state $ acres92 acres87 acres82 farms92 farms87

farms82 largef92 largef87 largef82 smallf92 smallf87

smallf82 region $;

**RUN**;

/\* Since the data has some missing values and we do not want

to deal with missing values yet in this class, we need to remove

them from the data set. A -99 value for any variable indicates

that it is missing. So we will use a WHERE statement to select

only observations for our frame where the observation is complete.

Ths will leave us with 3041 records.

\*/

**DATA** frame;

SET frameini;word

IF largef92 ge smallf92 THEN farmtype = **0**;

ELSE farmtype = **1**;

WHERE acres92 <> -**99** AND acres87 <> -**99** AND acres82 <> -**99**

AND farms92 <> -**99** AND farms87 <> -**99** AND farms82 <> -**99**

AND largef92 <> -**99** AND largef87 <> -**99** AND largef82 <> -**99**

AND smallf92 <> -**99** AND smallf87 <> -**99** AND smallf82 <> -**99**;

**RUN**;

/\* The variables included in this data set are:

county = county name

state = state abbreviation

acres92 = number of acres devoted to farms in 1982

acres87 = " " 1987

acres82 = " " 1982

farms92 = number of farms in 1992

farms87 = " " 1987

farms82 = " " 1982

largef92 = number of farms w/1000+ acres in 1992

largef87 = " " 1987

largef82 = " " 1982

smallf92 = number of farms with 9 acres or less in 1992

smallf87 = " " 1987

smallf82 = " " 1982

region = S for South

W for West

NC for North Cental

NE for Northeast

One variable was created called farmtype for farms sizes in 1992

and farmtype = 0 if there are more large farms than small farms

1 if there are more small farms than large farms

\*/

**PROC** **SURVEYSELECT** DATA=frame METHOD=SRS n=**100** SEED=**201915045** OUT=HW3A;

TITLE 'SRS of 100 units from the County Frame';

**RUN**;

\* Problem A;

**PROC** **SURVEYMEANS** DATA=HW3A TOTAL=**3041**;

TITLE 'Mean Number of Acres per County Devoted to Farms';

CLASS farmtype;

VAR acres82 acres87 acres92 farmtype;

**RUN**;

테이블이(가) 표시된 사진

자동 생성된 설명A-a)

텍스트이(가) 표시된 사진

자동 생성된 설명

A-b,c)

테이블이(가) 표시된 사진

자동 생성된 설명

텍스트이(가) 표시된 사진

자동 생성된 설명

**B**

\* Problem B;

FILENAME golf 'C:\golfsrs.dat';

**DATA** golf;

INFILE golf;

INPUT rn state $ course $ holes type $ yearblt wkday18

wkday9 wkend18 wkend9 backtee rating par cart18

cart9 caddy $ pro $ ;

**RUN**;

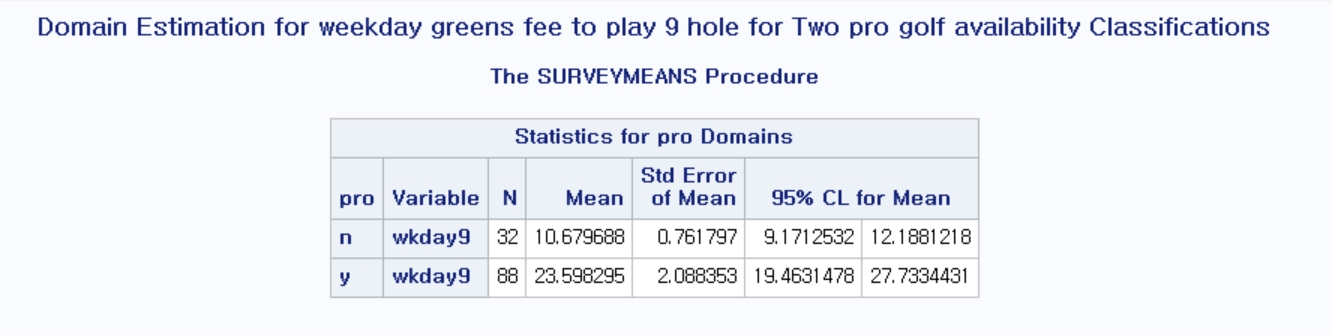
**PROC** **SURVEYMEANS** DATA=golf TOTAL=**16883**;

VAR wkday9;

DOMAIN pro;

TITLE 'Domain Estimation for weekday greens fee to play 9 hole for Two pro golf availability Classifications';

**RUN**;



텍스트이(가) 표시된 사진

자동 생성된 설명

