**통계프로그래밍 언어(||)**

**학번 : 201724570**

**이름 : 정석규**

program has written in SAS Studio

**Problem1.**

**<Code>**

LIBNAME mysas '/home/u59401758/library';

DATA mysas.ex1;

INFILE '/home/u59401758/Dataset/score.txt' ENCODING= "UTF-8" DSD;

INPUT name $1-10 math stat eng kor art ;

math = TRIM(math);

stat = TRIM(stat);

eng = TRIM(eng);

kor = TRIM(kor);

art = TRIM(art);

RUN;

**<Result>**

**텍스트이(가) 표시된 사진

자동 생성된 설명**

텍스트, 스크린샷, 실내이(가) 표시된 사진

자동 생성된 설명**Problem2.**

**<Code>**

DATA mysas.ex2;

INFILE '/home/u59401758/Dataset/fitness.txt' FIRSTOBS= 2 EXPANDTABS;

INPUT Name $ Gender $ RunTime Age Weight Oxygen\_Consumption Run\_Pulse Rest\_Pulse Maximum\_Pulse Performance;

Name = SUBSTR(Name, 1, 3);

RunTime = ROUND(Runtime, 0.1);

Weight = ROUND(Weight, 0.1);

Oxygen\_Consumption = ROUND(Oxygen\_Consumption, 0.1);

RUN;

**<Result>**

**텍스트이(가) 표시된 사진

자동 생성된 설명**

**테이블이(가) 표시된 사진

자동 생성된 설명**

**Problem3.**

**(1)**

**<Code>**

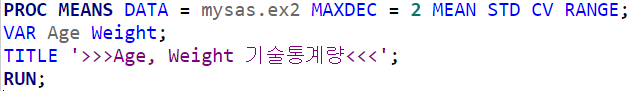
PROC MEANS DATA = mysas.ex2 MAXDEC = 2 MEAN STD CV RANGE;

VAR Age Weight;

TITLE '>>>Age, Weight 기술통계량<<<';

RUN;

**<Result>**

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**테이블이(가) 표시된 사진

자동 생성된 설명**

**(2)**

**<Code>**

PROC MEANS DATA = mysas.ex2 MAXDEC = 2 MEAN STD CV RANGE;

CLASS Gender;

VAR Age Weight;

TITLE '>>>Gender에 따른 Age, Weight 기술통계량<<<';

RUN;

PROC SORT DATA = mysas.ex2;

BY Gender;

RUN;

PROC UNIVARIATE DATA = mysas.ex2 NORMAL PLOTS;

BY Gender;

VAR Age Weight;

HISTOGRAM Age/NORMAL;

PROBPLOT Weight/NORMAL;

QQPLOT Age/NORMAL;

RUN;

**<Result>**

나머지 결과는 Homework\_201724570\_4\_2.html에 첨부되어 있습니다.

**Problem4.**

**<Code>**

DATA mysas.ex3;

INPUT grade $ score;

CARDS;

L 88

L 67

L 77

L 75

L 84

L 90

L 95

L 73

L 69

L 80

L 79

L 82

L 95

L 62

H 82

H 86

H 88

H 92

H 77

H 72

H 96

H 75

H 68

H 96

H 85

H 86

;

RUN;

PROC MEANS DATA = mysas.ex3 MAXDEC = 2 MEAN STD CV RANGE;

CLASS grade;

VAR score;

RUN;

**<Result>**

**테이블이(가) 표시된 사진

자동 생성된 설명**