

1

y/x/c→

header→

clear all

y

sl

y

sw

c

species

x

pw

x

pl

50

46

46

51

55

48

52

33

34

36

33

35

31

34

setosa

setosa

setosa

setosa

setosa

setosa

setosa

2

3

2

5

2

2

2

14

14

10

17

13

16

14

sl

sw

1

0

pw

pl

1

0

0

1

SAS

alpha

Transform dimensions

Ty_row

Tx_row

Copy Working Data

MANOVA PARAM

g

a

b

r

t

q

s

h

m1

m2

d

c

0.05

2

2

2

5

145

4

145.5

2

3

2

4

0.5

71

1.05015

1.418327

Put an "x" to select as a regressor->

Working Data

3

x

pw

x

pl

x

species1

x

species2

4

1

1

1

1

1

0

0

0

0

0

0

Predicted

Predicted

Residual

Residual

sl

sw

sl

sw

5

49.50107

33.89732

0.498929

-0.897316

49.49508

34.52076

-3.495076

-0.520762

45.87729

33.27861

0.122712

2.721387

52.20092

36.23168

-1.200923

-3.23168

48.59513

33.74264

6.404874

1.25736

51.31296

34.20667

-3.312963

-3.206667

49.50107

33.89732

2.498929

0.102684

Intercept

pw

pl

species1

species2

Rsquare

F(anova)

F: df1

F: df2

F: pvalue

Beta for Ty1

15.70335

-0.005995

0.905946

21.12647

5.142853

0.836725

185.7687

4

145

5.33E-56

sd

3.823466

0.15626

0.074311

3.040243

1.24935

Beta for Ty2

8.521399

0.623446

0.154676

21.96357

4.322529

0.551059

44.49563

4

145

2.49E-24

sd

3.337188

0.136386

0.06486

2.653578

1.090454

MANOVA

Wilks' Lambda

Bartlett-Nanda-Pillai Trace

Hotelling-Lawley Trace

Roy's Greatest Root

Ty Overall Mean

58.43333

30.57333

df1

8

df1

8

df1

8

df1

4

df2

288

df2

290

df2

203.4024

df2

145

E - CSSP

1668.149

630.1823

stat

0.060404

stat

1.351263

stat

8.739986

stat

7.874503

630.1823

1270.813

Fval

110.4772

Fval

75.50567

Fval

222.2168

Fval

285.4508

pvalue

3.86E-83

pvalue

2.08E-66

pvalue

5.13E-96

pvalue

1.19E-97

H - CSSP

8548.684

-1262.449

-1262.449

1559.88