SOUTHERN METHODIST UNIVERSITY
MSDS 6371(401)

Kaggle Project

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Predictive Models	Adjusted R^2	CV Press	Kaggle Score
Forward	XX	XX	XX
Backward	XX	XX	XX
Stepwise	XX	XX	XX
CUSTOM	XX	XX	XX

Table 4.1: Analysis Results

A. Source Code for Analysis 1

Listing 1: Analysis 1 SAS Code.

```
/* Dummy Code File for Group Project */

data crabs;
        infile '/folders/myfolders/MSDS6371/HW12/Datasets/Crab17.csv'
        missover delimiter=',' firstobs=2;
        input Force Height Species $;
        logForce = log(Force);
        logHeight = log(Height);
        sqrtForce = sqrt(Force);
        sqrtHeight = sqrt(Height);
        invForce = 1/Force;
        invHeight = 1/Height;
run;

PROC REG DATA=crabs;
        model Force = Height;
        model logForce = Height;
        model Force = logHeight;
        model logForce = logHeight;
        model sqrtForce = Height;
        model Force = sqrtHeight;
        model sqrtForce = sqrtHeight;
        model invForce = Height;
        model Force = invHeight;
        model invForce = invHeight;
RUN;
```

B. Source Code for Analysis 2

Listing 2: Analysis 2 SAS Code.

```
/* Dummy Code File for Group Project */

data crabs;
        infile '/folders/myfolders/MSDS6371/HW12/Datasets/Crab17.csv'
        missover delimiter=',' firstobs=2;
        input Force Height Species $;
        logForce = log(Force);
        logHeight = log(Height);
        sqrtForce = sqrt(Force);
        sqrtHeight = sqrt(Height);
        invForce = 1/Force;
        invHeight = 1/Height;
run;

PROC REG DATA=crabs;
        model Force = Height;
        model logForce = Height;
        model Force = logHeight;
        model logForce = logHeight;
        model sqrtForce = Height;
        model Force = sqrtHeight;
        model sqrtForce = sqrtHeight;
        model invForce = Height;
        model Force = invHeight;
        model invForce = invHeight;
RUN;
```