--Logistic Regression

USE SheridanGA

GO

ALTER VIEW Logistic\_Data AS

SELECT

Zip\_Code,

Facility\_Name,

Gender,

Ethnicity,

Colon\_Other\_Specify,

History\_Of\_Colon\_Adenoma,

High\_Risk\_Genetic\_Family\_Cancer,

Pathology\_Other\_Notes,

ASA\_Cat,

Height,

Weight,

Duration\_To\_Cecum,

Withdrawal\_Time,

BMI,

CASE

WHEN (Height = '0' OR Weight = '0' OR BMI = '0') THEN 'FLAG'

ELSE 'USE'

END AS BMI\_Flag,

CASE

WHEN BMI = '0' THEN 'No BMI Given'

WHEN (Height < 49 OR Weight < 20) THEN 'Miscoded Data'

WHEN (BMI > '0' AND BMI < '18.5') THEN 'Under Weight'

WHEN (BMI >= '18.5' AND BMI < '25') THEN 'Normal'

WHEN (BMI >= '25' AND BMI < '30') THEN 'Over Weight'

ELSE 'Obese'

END AS BMI\_Category,

Patient\_Over\_50,

Age\_During\_Procedure,

Age\_Group,

Polyps\_Removed\_Number,

CASE

WHEN Polyps\_Removed\_Number = '0' THEN '0'

ELSE '1'

END AS Polyps\_Removed\_YN

FROM WaveBulk

--Hypothesis 1

USE SheridanGA

GO

ALTER VIEW Hyp\_1 AS

SELECT

Zip\_Code,

Facility\_Name,

Gender,

Patient\_Race,

Ethnicity,

Year\_Of\_Previous\_Colonoscopy,

Prep\_Quality,

Colon\_Other\_Specify,

History\_Of\_Colon\_Adenoma,

High\_Risk\_Genetic\_Family\_Cancer,

Pathology\_Other\_Notes,

ASA\_Cat,

Height,

Weight,

Duration\_To\_Cecum,

CASE

WHEN Duration\_To\_Cecum = '5555' THEN 'No cecum'

WHEN Duration\_To\_Cecum = '7777' THEN 'Did not reach cecum'

WHEN Duration\_To\_Cecum = '8888' THEN 'Time not documented'

WHEN Duration\_To\_Cecum = '9999' THEN 'Hemicolectomy'

ELSE 'Measured'

END AS Time\_to\_Cecum,

Withdrawal\_Time,

CASE

WHEN Withdrawal\_Time = '5555' THEN 'No cecum'

WHEN Withdrawal\_Time = '7777' THEN 'Did not reach cecum'

WHEN Withdrawal\_Time = '8888' THEN 'Time not documented'

WHEN Withdrawal\_Time = '9999' THEN 'Hemicolectomy'

ELSE 'Measured'

END AS Time\_for\_Withdrawal,

BMI,

CASE

WHEN BMI = '0' THEN 'No BMI Given'

WHEN (Height < 49 OR Weight < 20) THEN 'Miscoded Data'

WHEN (BMI > '0' AND BMI < '18.5') THEN 'Under Weight'

WHEN (BMI >= '18.5' AND BMI < '25') THEN 'Normal'

WHEN (BMI >= '25' AND BMI < '30') THEN 'Over Weight'

ELSE 'Obese'

END AS BMI\_Category,

Age\_During\_Procedure AS Age,

Patient\_Over\_50 AS Age\_Over\_50,

Age\_Group,

CASE

WHEN Age\_During\_Procedure < '18' THEN '<18'

WHEN (Age\_During\_Procedure >= '18' AND Age\_During\_Procedure <= '24') THEN '18-24'

WHEN (Age\_During\_Procedure >= '25' AND Age\_During\_Procedure <= '34') THEN '25-34'

WHEN (Age\_During\_Procedure >= '35' AND Age\_During\_Procedure <= '44') THEN '35-44'

WHEN (Age\_During\_Procedure >= '45' AND Age\_During\_Procedure <= '64') THEN '45-64'

WHEN Age\_During\_Procedure >= '65' THEN '65>'

ELSE 'Check?'

END AS Age\_Group\_Educ,

Polyps\_Removed\_Number AS Polyps\_Removed,

CASE

WHEN Polyps\_Removed\_Number = '0' THEN '0'

ELSE '1'

END AS Polyps\_YN

FROM WaveBulk

WHERE (BMI > '0');