The FREQ Procedure

Treatment

Cumulative Cumulative

Trt Frequency Percent Frequency Percent

ƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒ

Placebo 28 47.46 28 47.46

Progabide 31 52.54 59 100.00

1. Using PROC FREQ determine how many patients were randomized to the placebo and how many were randomized to the progabide treatment.

(28) patients were randomized to the placebo treatment and (31) patients were randomized to the progabide treatment.

The MEANS Procedure

Analysis Variable : BaseSeiz Baseline Seizure Rate

N Mean Std Dev

ƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒ

59 31.2203390 26.8771585

Ƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒ

1. Using PROC MEANS to answer- what are the N, MEAN, and SD of seizure rate at baseline?

N = 59

MEAN = 31.22

SD = 26.87

---------------------------------------- Treatment=Placebo ----------------------------------------

The MEANS Procedure

Variable Label Mean Std Dev Median

ƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒ

Seizure1 Seizure Count Week 1 9.3571429 10.1368937 5.0000000

Seizure2 Seizure Count Week 2 8.2857143 8.1643178 4.5000000

Seizure3 Seizure Count Week 3 8.7857143 14.6726178 5.0000000

Seizure4 Seizure Count Week 4 7.9642857 7.6278347 5.0000000

ƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒ

--------------------------------------- Treatment=Progabide ---------------------------------------

Variable Label Mean Std Dev Median

ƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒ

Seizure1 Seizure Count Week 1 8.5806452 18.2405669 4.0000000

Seizure2 Seizure Count Week 2 8.4193548 11.8596633 5.0000000

Seizure3 Seizure Count Week 3 8.1290323 13.8942241 4.0000000

Seizure4 Seizure Count Week 4 6.7096774 11.2640832 4.0000000

ƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒ

1. Using PROC MEANS answer, what are the mean, standard deviation and median seizure rates within each treatment group at each week following treatment?

* Mean for Seizure Count Week 1 for placebo treatment: 9.3571429
* Mean for Seizure Count Week 2 for placebo treatment: 8.2857143
* Mean for Seizure Count Week 3 for placebo treatment: 8.7857143
* Mean for Seizure Count Week 4 for placebo treatment: 7.9642857
* Standard Deviation for Seizure Count Week 1 for placebo treatment: 10.1368937
* Standard Deviation for Seizure Count Week 2 for placebo treatment: 8.1643178
* Standard Deviation for Seizure Count Week 3 for placebo treatment: 14.6726178
* Standard Deviation for Seizure Count Week 4 for placebo treatment: 7.6278347
* Median for Seizure Count Week 1 for placebo treatment: 5.0000000
* Median for Seizure Count Week 2 for placebo treatment: 4.5000000
* Median for Seizure Count Week 3 for placebo treatment: 5.0000000
* Median for Seizure Count Week 4 for placebo treatment: 5.0000000

* Mean for Seizure Count Week 1 for progabide treatment: 8.5806452
* Mean for Seizure Count Week 2 for progabide treatment: 8.4193548
* Mean for Seizure Count Week 3 for progabide treatment: 8.1290323
* Mean for Seizure Count Week 4 for progabide treatment: 6.7096774
* Standard Deviation for Seizure Count Week 1 for progabide treatment: 18.2405669
* Standard Deviation for Seizure Count Week 2 for progabide treatment: 11.8596633
* Standard Deviation for Seizure Count Week 3 for progabide treatment: 13.8942241
* Standard Deviation for Seizure Count Week 4 for progabide treatment: 11.2640832
* Median for Seizure Count Week 1 for progabide treatment: 4.0000000
* Median for Seizure Count Week 2 for progabide treatment: 5.0000000
* Median for Seizure Count Week 3 for progabide treatment: 4.0000000
* Median for Seizure Count Week 4 for progabide treatment: 4.0000000

2.

c)

The FREQ Procedure

Table of swimlocation by sex

swimlocation(Swimming Location)

sex(Sex)

Frequency ‚

Percent ‚

Row Pct ‚

Col Pct ‚male ‚female ‚ Total

ƒƒƒƒƒƒƒƒƒƒˆƒƒƒƒƒƒƒƒˆƒƒƒƒƒƒƒƒˆ

non-beach ‚ 103 ‚ 37 ‚ 140

‚ 35.89 ‚ 12.89 ‚ 48.78

‚ 73.57 ‚ 26.43 ‚

‚ 54.79 ‚ 37.37 ‚

ƒƒƒƒƒƒƒƒƒƒˆƒƒƒƒƒƒƒƒˆƒƒƒƒƒƒƒƒˆ

beach ‚ 85 ‚ 62 ‚ 147

‚ 29.62 ‚ 21.60 ‚ 51.22

‚ 57.82 ‚ 42.18 ‚

‚ 45.21 ‚ 62.63 ‚

ƒƒƒƒƒƒƒƒƒƒˆƒƒƒƒƒƒƒƒˆƒƒƒƒƒƒƒƒˆ

Total 188 99 287

65.51 34.49 100.00

Table of swimlocation by agegrp

swimlocation(Swimming Location)

agegrp(Age Group)

Frequency ‚

Percent ‚

Row Pct ‚

Col Pct ‚15-19 ‚20-24 ‚25-29 ‚ Total

ƒƒƒƒƒƒƒƒƒƒˆƒƒƒƒƒƒƒƒˆƒƒƒƒƒƒƒƒˆƒƒƒƒƒƒƒƒˆ

non-beach ‚ 71 ‚ 46 ‚ 23 ‚ 140

‚ 24.74 ‚ 16.03 ‚ 8.01 ‚ 48.78

‚ 50.71 ‚ 32.86 ‚ 16.43 ‚

‚ 50.71 ‚ 58.23 ‚ 33.82 ‚

ƒƒƒƒƒƒƒƒƒƒˆƒƒƒƒƒƒƒƒˆƒƒƒƒƒƒƒƒˆƒƒƒƒƒƒƒƒˆ

beach ‚ 69 ‚ 33 ‚ 45 ‚ 147

‚ 24.04 ‚ 11.50 ‚ 15.68 ‚ 51.22

‚ 46.94 ‚ 22.45 ‚ 30.61 ‚

‚ 49.29 ‚ 41.77 ‚ 66.18 ‚

ƒƒƒƒƒƒƒƒƒƒˆƒƒƒƒƒƒƒƒˆƒƒƒƒƒƒƒƒˆƒƒƒƒƒƒƒƒˆ

Total 140 79 68 287

48.78 27.53 23.69 100.00

Among each swimming location, which age group is the highest proportion?

Beach: 15-19

Non-beach: 15-19

Among each swimming location, which sex group is the highest proportion?

Beach: male

Non-Beach: male