The dogs data

February 22, 2011

The data:

```
Morphine             N  -3.22  -1.61  -2.30  -2.53
Morphine             N  -3.91  -2.81  -3.91  -3.91
Morphine             N  -2.66   0.34  -0.73  -1.43
Morphine             N  -1.77  -0.56  -1.05  -1.43
Trimethaphan         N  -3.51  -0.48  -1.17  -1.51
Trimethaphan         N  -3.51   0.05  -0.31  -0.51
Trimethaphan         N  -2.66  -0.19   0.07  -0.22
Trimethaphan         N  -2.41   1.14   0.72   0.21
```

The SAS code and output:

```
options linesize=75;

   data dogs;
      infile "dogs.dat";
      input Drug $ Depleted $ Histamine0 Histamine1
            Histamine3 Histamine5;
      LogHistamine0=log(Histamine0);
      LogHistamine1=log(Histamine1);
      LogHistamine3=log(Histamine3);
      LogHistamine5=log(Histamine5);

   proc glm;
      class Drug Depleted;
      model LogHistamine0--LogHistamine5 =
            Drug Depleted Drug*Depleted / nouni;
      repeated Time 4 (0 1 3 5);
```