

Biostat 510: Statistical Computing Packages

SAS Homework 4

Due Thursday, Feb 17, 2005

Topics:

- Using a permanent SAS data set
- Create data sets for tables in the program editor
- Contingency tables for matched samples
 - McNemar's test
 - Cohen's kappa

Please include all tables in your homework writeup, along with your SAS code. Use the data set created in homework 3 for questions 1 and 2, and use formats for the variables in the cross-tabulations. When you enter the data for the tables in questions 4 through 7, you can simply enter the variables as character variables, so you do not need to use any formats for these questions. Remember to use the option, `order=data`, when running these tables.

To use the permanent data set you created in homework 3, submit a `libname` statement. Be sure to use the two-level name for your SAS data set. If you made temporary formats for your variables in the homework 3 assignment, you will have to recreate them for this homework. Your code would look something like the following:

```
libname b510 v9 "c:\temp\b510";
proc format;
  value hifmt ...;
run;

proc freq data=b510.combine2;
tables ...;
format ...;
run;
```

If you created permanent formats in the previous homework, you can access them by using the following code:

```
libname b510 v9 "c:\temp\b510";
libname library v9 "c:\temp\b510";
options nofmterr;

proc freq data=b510.combine2;
tables ...;
format ...;
run;
```

1. Get a cross-tabulation of HI1*HI2. Calculate McNemar's test of symmetry for these related proportions. Use your user-defined formats for this table.

