• Problem 3.3. Do this by hand using formulae in the notes, then obtain an exact 95% CI in a software package. Interpret the results.

• Problem 3.4. Use a software package to obtain the three estimates and their 95% confidence intervals. Interpret.

• Problem 3.6. Only obtain an exact 95% CI using software and interpret.

• Problem 3.7. Hint: make a $2 \times 2$ contingency table and test $H_0: \theta = 1$.

• Problem 3.11.

• Problem 3.16. For part (c), obtain estimates of $\gamma$, $\rho_P$, and $\rho_{pe}$, as well as their 95% confidence intervals. Interpret.

• Problem 3.19. Sample SAS code looks like

```sas
data table;
input lead$ malformation$ count @@;
datalines;
no yes 7 no no 18
yes yes 7 yes no 7
;
proc freq order=data; weight count;
tables lead*malformation;
exact fisher;
run;
```

You need to figure out which is the correct p-value.

• Problem 3.20a.

• Problem 3.34.