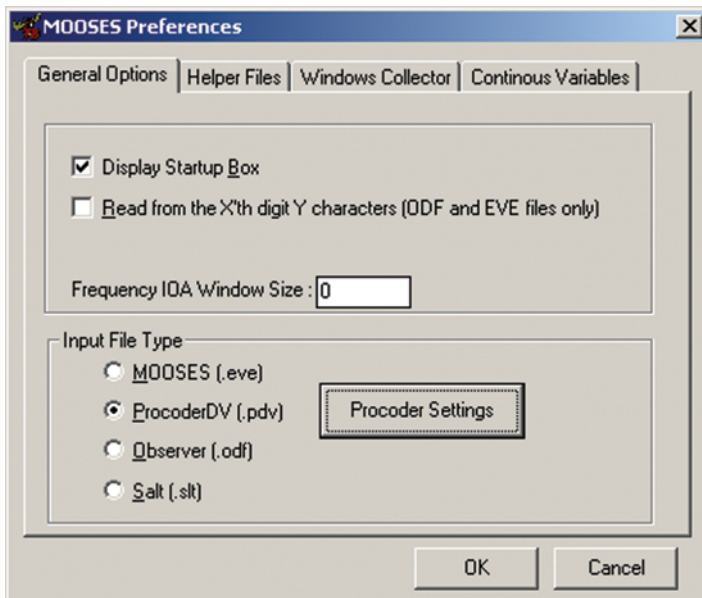
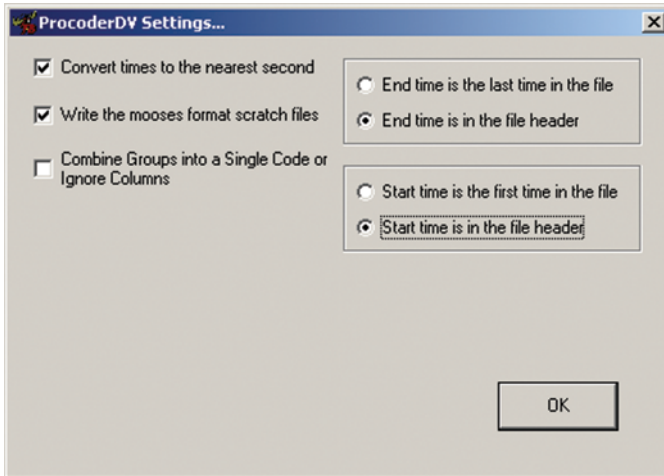


Instructions for Using MOOSES to Derive the 2×2 Table, TP, and Q

- I Install the demo MOOSES from the CD onto your hard drive
- II In a folder named, for instance, MOOSES demo for sequential analysis, copy from the CD the code file called “code file for sequential analysis.cod” and the observational data filename called “ProcoderDV timed event data.pdv”
- III Launch MOOSES (through programs or desktop icon)
- IV Select Analysis from welcome screen menu toolbar
 - A Select Sequential Analysis option
 - 1 Under Analysis File Selection
 - a Select Output to Text Editor (or your option)
 - b Select Input File Type to Single Data File
 - c Under Preferences



- i Select the General options tab and set as follows:

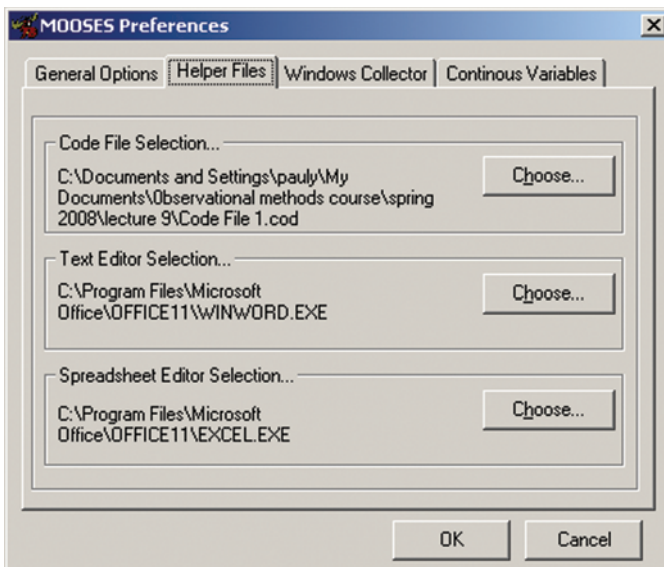


B Input file type ProcoderDV

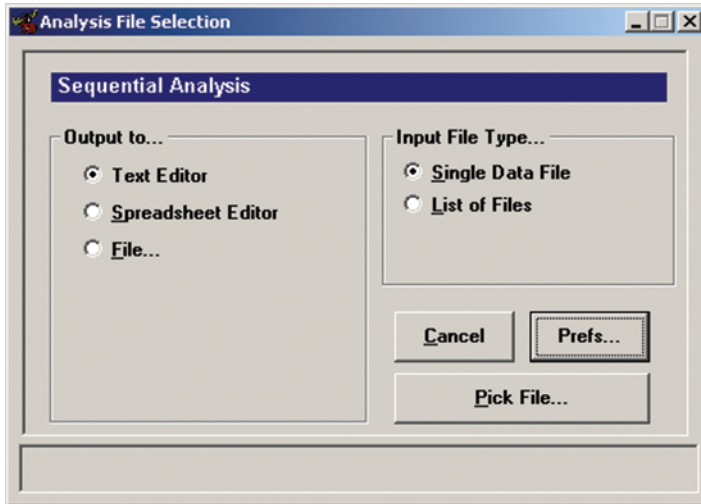
1 ProcoderDV settings set as above

- a Selecting “write the MOOSES format scratch files” is optional, but this time, do so to inform you how MOOSES tallies coded units.

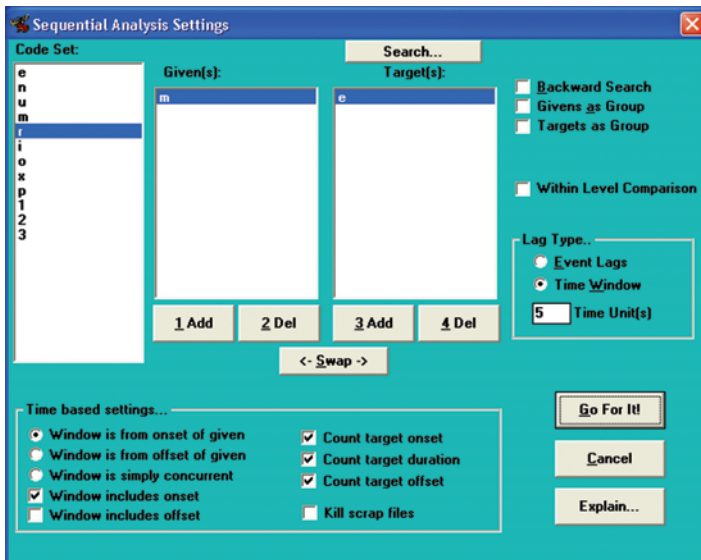
2 Select Helper Files tab



- a Under code file selection, navigate to code file on the web site
 - i Press OK



- C Select the Pick File button and navigate to input file name
 - 1 The input filename is “ProcoderDV timed event data for sequential analysis.pdv”
 - 2 Sequential analysis settings window:



- a Code set
 - i Highlight code for given (i.e., antecedent) by left-clicking on mouse
 - click on “m”
 - select button for Add under Given
 - ii Highlight code for target by left-clicking on mouse
 - click on “e”
 - select button for Add under Target
 - b Under Lag Type select Time Window
 - i Change the time units to the number of seconds in your time window. This example will use 5 seconds.
 - c Under time-based settings, select
 - Window is from onset of given
 - Window includes the onset
 - Count target onset
 - Count target duration
 - Count target offset
 - You can select Kill Scrap Files but this time don't so you can see how MOOSES tallies coded units for the 2×2 table.
 - d Press Go for It!
 - V Troubleshooting:
 - A If you get a run-time error permission denied, make sure that all files MOOSES is trying to access (including the output file from a previous run) are closed prior to using MOOSES to analyze the ProcoderDV file.
 - B You should get an output that looks like the following:

```

*** Sequential Analysis Results *** Date: 10-21-2008
File:ProcoderDV timed event data for sequential analysis.pdv
Givens: N = 1
m
Targets: N = 1
e
Analysis was forward from the Given(s), based on a time window
The number of time units forward was: 5

(G,T)      Freq      (Prob)      ExpFreq (ExpProb)
(Y,Y)      186      (0.1590)    171.1 (0.1462)
(Y,N)       5      (0.0043)    19.9 (0.0170)
(N,Y)     862      (0.7368)    876.9 (0.7495)
(N,N)     117      (0.1000)    102.1 (0.0873)

conditional probabilities (Applicable stats are on the 1st one)
(Y,Y)|(Y,Y)+(Y,N) 0.97382
(Y,Y)|(Y,Y)+(N,Y) 0.17748

Statistics:
Allison Liker's Z: 3.5316
Pearson's r: 0.1032
Yule's Q: 0.6694
Transformed Kappa: 0.7500

```

VI Interpreting MOOSES output for sequential analysis

- A** The cell values for the 2×2 table are given under “freq.” Note that the Y stands for yes and the N stands for no to the question: Does the second of interest fall within the 5-second time window and is the second of interest coded for the target (including onset, maintenance, or offset)?
- 1 Cell A is freq for (Y, Y)
 - 2 Cell B is freq for (Y, N)
 - 3 Cell C is freq for (N, Y)
 - 4 Cell D is freq for (N, N)
- B** The forward TP for the sequence of interest is
TP is $(Y, Y) / ((Y, Y) + (Y, N))$.
- C** The Yule’s Q is the third number from the bottom.
- D** The expected frequency for each cell is under “expfreq” for (Y, Y), (Y, N), (N, Y), and (N, N).

