



## Survival Analysis: Models for Time to Event Data

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Workshop Instructor

## The Mechanics of the Workshop: The lectures

- 1) Eight modules, 1 ½ to 2 hours long, with a one week break after week 4.
- 2) Participants can attend live lectures and/or watch taped lectures.
- 3) All participants will be able to download a pdf copy of the slides the day of the presentation.

## The Mechanics of the Workshop: Live attendance

- 4) If attending the lecture live:
  - a) Attendees are muted to reduce background noise.
  - b) Attendees can ask questions during the presentation by typing into the comment box.
    - i. Only the instructor can see the questions.
    - ii. The questions will be read out loud so those in attendance and those watching the recordings will know the question. The name of the person asking the question is not named.
  - c) Instructor will stop at the end of each section to answer the questions. At times, the questions will be answered when submitted.

## The Mechanics of the Workshop: After the lecture

- 5) At the end of the lecture the syntax/code to repeat everything shown in the lecture will be available in R.
- 6) There will be videos explaining how to use the menu bars when discussing a new topic when appropriate (some software require more menu explanation than others). The videos will also explain how the syntax/codes are used and all special options used.
- 7) Participants can download the syntax/code.

## The Mechanics of the Workshop: Exercises

- 8) Exercises will be available after the lecture to practice the concepts taught during the lecture.
- 9) Answers and the syntax/code to answer the questions will be available at the same time.
- 10) You can download the answers and syntax/code to all four software packages if you want.

## The Mechanics of the Workshop: Asking questions at any time

- 11) All participants (live and those watching the recordings) will be able to write in questions through a forum. The goal is to answer all questions within 24 hours.
- 12) All participants will be able to read and learn from other participants' questions.
- 13) Everyone can ask questions on the forum for up to a year.

## The Mechanics of the Workshop: Q&A sessions

- 14) There are eight one hour weekly Q&A's.
- 15) If you are unable to attend the Q&A live, you can send in your questions in advance and have them answered during the live Q&A.
- 16) We will answer any software specific questions for all four software packages.
- 17) The Q&A sessions are recorded and will be available for viewing within 24 hours.

## The Mechanics of the Workshop: Additional Resources

### 13) Specific topic videos.

- a) Ten Data Analysis Tips in R (102:34)
- b) The First 3 Steps to Statistical Modeling: How to Clarify the Research Question, the Design, and the Variables (58:40)
- c) 13 Steps to Running Any Statistical Model (58:06)
- d) Dummy and Effect Coding (1:30:24)
- e) Confidence Intervals (90:00)
- f) Correlated Predictors in Regression Models: Detecting Multicollinearity (1:02:28)
- g) Outliers and Influential Points (1:36:52)



## The Instructor



Steve Simon, PhD

# Outline of Material Covered in Workshop