Concept Check #9

HST 190: Introduction to Biostatistics

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- The project is out-of-sync -- use `renv::status()` for details.
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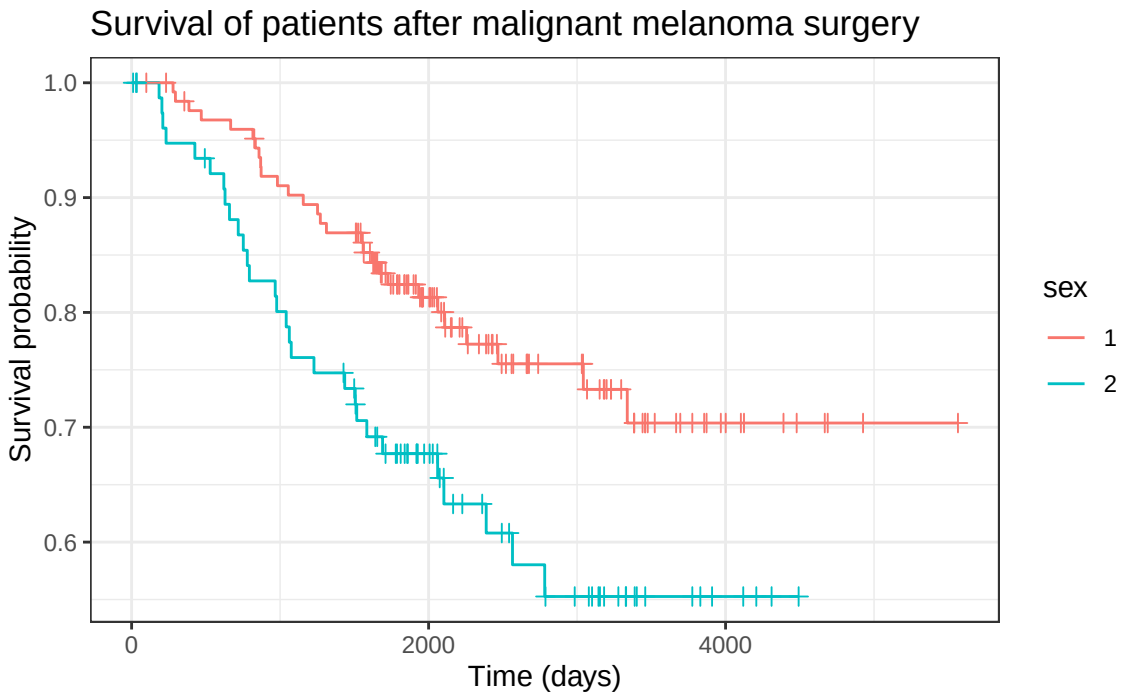
This worksheet is open-note. Take 15 minutes to consider the following questions. We will discuss as a group.

1. The figure displayed below shows the Kaplan-Meier estimates separately for two groups (male and female patients). Suppose that we know that the largest observation in the female group is a censored observation. Which group – 1 or 2 – represents the female group?



2. Imagine you are conducting a clinical trial for a promising cancer treatment, and you find that patients are more likely to drop out of the study if they are very ill.

   a. Is the assumption of non-informative censoring valid in this setting? Explain.

   b. If you were to plot a Kaplan-Meier curve based on the results of this clinical trial, how would you expect the estimate to compare to the *true* (or underlying) survival curve?