

# PH 716 Applied Survival Analysis

## Part 0: Syllabus Review

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### Contact

- Instructor: Zhiyang Zhou
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- Lectures
  - Mon/Wed 14:30–15:45
- Office Hours
  - By appointment, typically on lecture days

### Grading

- Assignments (60%)
  - Submitting PDFs via Canvas
  - Attaching both outputs and source codes (if applicable)
  - Including necessary interpretation
  - Organized in a CLEAR and READABLE way
  - Accepting NO late submission
- Final project (40%)
  - Refer to the final project guideline posted on Canvas
- Bonus points (TBD)
  - Potentially irregular quiz held on Canvas

### Materials

- Lecture notes and beyond
  - Posted on Canvas and zhiyanggeezhou.github.io
  - Subject to update **without prior notice**
- Recommended but not required
  - [DM] D. F. Moore. (2016). *Applied Survival Analysis Using R*. Switzerland: Springer.
    - \* Accessible via UWM library <http://ebookcentral.proquest.com/lib/uwm/detail.action?docID=4526865>
  - [KM] J. P. Klein & M. L. Moeschberger. (2003). *Survival analysis : techniques for censored and truncated data*, 2nd Ed. New York: Springer.

### Why Learn Survival Analysis in the AI Era?

Generative AI (GenAI) tools can write code, fit models, generate plots, and summarize results in seconds. When used appropriately, they can serve as valuable assistive tools for survival analysis. GenAI tools are particularly helpful for:

- accelerating implementation,
- supporting data exploration and communication,
- lowering the entry barrier to technical analysis.

However, a well-trained human analyst remains essential, because it requires deeper statistical reasoning and scientific judgment. Human expertise is critical for:

- understanding the context and nuances of data,
- formulating relevant questions and hypotheses,
- choosing appropriate methods,
- interpreting results critically,
- evaluating and improving AI-generated analyses rather than relying on them blindly.