

Course Learning Outcomes STAT 645

At the conclusion of this course, successful students will be able to:

1. Explore biostatistics data using pictures and summary statistics.
2. Apply a wide range of regression models to biostatistics data.
3. Identify and apply the appropriate exploratory and inferential methods to survival data.
4. Apply statistical knowledge to analyze clinical trial data.
5. Use diagnostic methods to assess the appropriateness of different models.
6. Use R statistical software for computation.
7. Interpret/express/communicate the results of the statistical analysis in writing.
8. Work in a collaborative environment.