

# Survival Analysis, Algorithmic Fairness, and COMPAS Recidivism Algorithm Case Study

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## Consulting Skills Focus

- In real life consulting, the client will frequently understand the data and surrounding research better than the data scientist/statistician.
- Analysis should center around a well-defined research question that drive the analysis and the data should be able to provide insight on the question of interest.
- Human bias and data analysis: We all have bias. This can influence data analysis. A data analyst, we should do our best to objectively present the data. When necessary to make assumptions, state them explicitly.
- Publication Bias example: Researchers frequently want “positive results.” Usually this means significant p-values. Variable selection is a simple way to change p-values, p-hacking. It’s common to need to change variables in a model be it should be done a principled way.
- Question: Have you heard of field of [algorithmic fairness](#)?
  - a. yes