

PhD position opening ("thèse CIFRE") to work on causal inference, in the context of time to event/survival analysis under the direction of Dr Julie Josse, INRIA, and jointly with Dr Bernard Sebastien from the 'Data, Data Science' department of Sanofi R&D, France. The project will include applications of causal inference to observational studies. The following aspects will be studied:

- *influence of missing data and censoring*
- *identification of heterogeneous treatment effects*
- *identification of optimal policies (Dynamic Treatment Regime)*
- *change in distributions (transportability methods)*

The methodological work could be complemented by the development of a dedicated R package. Applicants should have strong knowledge in Statistics or Machine Learning and experience in R is required.

If you are interested please contact Julie Josse (julie.josse@inria.fr) or Bernard Sebastien (Bernard.Sebastien@sanofi.com)