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](mailto:julie.josse@inria.fr)) or Bernard Sebastien ([Bernard.Sebastien@sanofi.com](mailto:Bernard.Sebastien@sanofi.com))