

## Economia, Statistica e Data Science, curr. Statistica

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<b>Progetto di ricerca</b>	<b>ITA:</b> "Inferenza causale per modelli multivariati continui e discreti in contesti caratterizzati da eterogeneità"
<b>Research project</b>	<b>ENG:</b> " <i>Causal inference for multivariate continuous and discrete data under heterogeneous settings</i> "
<b>Tipo/Type</b>	Scholarship funded by Università Cattolica del Sacro Cuore
<b>Borse/Scholarships</b>	1
<b>Abstract</b>	This project deals with causal inference based on a graphical model (directed acyclic graph) representation using a Bayesian methodology. In many settings data are collected under heterogeneity, which can be due to time-varying dependence structures or to the presence of hidden variables, implying the existence of latent sub-groups of observations. The objective is to develop methodologies for causal inference that, going beyond standard i.i.d. assumptions for the data, lead to causal effect estimates at cluster- or even observation-specific level, thus providing a more precise quantification of causal relationships between variables.
<b>Tutor</b>	<i>Da definirsi/To be defined</i>