Bocconi
Università Commerciale Luigi Bocconi

Department of Decision Sciences

Statistics Seminar

Decoupling Shrinkage and Selection in Bayesian Linear Models

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12:45pm Room 3-E4-SR03 Via Rontgen 1 Milano

Abstract

Selecting a subset of variables for linear prediction remains an area of active research. This paper approaches the problem from an explicitly Bayesian decision theoretic perspective, build- ing off of the many recent contributions to the shrinkage prior and model selection literature. A novel posterior graphical summary is proposed, which communicates valuable information concerning which variables associate most strongly with the outcome. Extension to the generalized linear model setting is also presented.

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