

On the power of IP in statistical modelling

- defensive point-of-view
 - IP protects against the potentially disastrous consequences of applying standard procedures under violated assumptions
 - robustness in frequentist and Bayesian settings
- offensive point of view.
IP is a powerful methodology, allowing for
 - separation of variability (variance) from indeterminism
 - active modelling of ignorance
 - active modelling of conflicting/surprising information
 - active use of weak knowledge that can not be used in the traditional setting

