



UNIVERSIDAD
DE LA FRONTERA

SEMINARIO CRUZ DEL SUR

Theory and new applications of Birnbaum-Saunders models

VÍCTOR LEIVA

ESCUELA DE INGENIERÍA INDUSTRIAL, PONTIFICIA UNIVERSIDAD CATÓLICA DE VALPARAÍSO
www.victorleiva.cl

Viernes 5 de Mayo del 2017, 11h00
Auditorio Prof. Manuel López Ramírez

RESUMEN.

The Birnbaum-Saunders model is an asymmetric distribution that competes with the well-known log-normal distribution. The Birnbaum-Saunders distribution is receiving a considerable attention with respect to its theory and applications. In the present talk, we introduce a pool of new applications of this distribution considering theoretical arguments for its use based on the law of proportional effects, extreme values models and monitoring tools. A computational framework and several data sets, as well as their modeling, are discussed.

References

Leiva V. (2016) The Birnbaum-Saunders Distribution. Academic Press, New York.