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Centre universitaire de médecine générale
et santé publique · Lausanne

Département Epidémiologie et Systèmes de Santé

**MARDI
24 OCTOBRE 2023
COLLOQUE**

HEURE: 11H30 – 12H30
LIEU: **Salle Delachaux, Bâtiment Proline
rte de la Corniche 10, 1010 Lausanne
& via WebEx**

OBJECTIVE INTERPRETATION OF STATISTICAL EVIDENCE:

■ PROF. FRANCK DUDBRIDGE DE L'UNIVERSITE DE LEICESTER

Frank Dudbridge is Professor of Statistical Genetics at the University of Leicester,

DESCRIPTIF

There are good arguments for different measures of evidence, including p-values, Bayes factors and information criteria. But they are undermined by the lack of an objective scale of interpretation, for "weak" and "strong" evidence are defined by the historical experience of eminent practitioners. Here I propose an objective scale for Bayes factors in base 3.73, based on modelling the effect of evidence on beliefs. Furthermore, I develop empirical Bayes factors that reconcile objective and subjective priors, and can be interpreted under frequentist, Bayesian and information paradigms. Together these proposals offer steps towards more objective reporting of statistical evidence.

Recommandé par la Société Suisse des Spécialistes en prévention et santé publique (SPHD) pour la reconnaissance de la formation continue. Participer à la réunion WebEx

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