

The Twin Continua of Inductive Methods

Dedicated to our good friend Jouko

J.B.Paris and A.Vencovská
School of Mathematics
The University of Manchester
Manchester M13 9PL

jeff.paris@manchester.ac.uk, alena.vencovska@manchester.ac.uk

March 13, 2015

Abstract

After dominating the subject of Inductive Logic for over 50 years Carnap's Continuum of Inductive Methods has in the past decade had its monopoly challenged by a second continuum of inductive methods, the NP-Continuum, which is also based on arguably rational principles. Does this mean there are (at least) two distinct notions of rational or logical probability? We describe the bases and key properties of both continua.

Key words: Uncertain Reasoning, Inductive Logic, Logical Probability, Carnap's Continuum, NP-Continuum