

## A New Database, Family Tree and Origins Hypothesis for the Indo- European Language Family

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This talk reports on a new Bayesian 'phylo-chronology' of humanity's most widely spoken language lineage. The results have reignited controversy over the age and origins of the Indo-European family — and over whether we can really trust such phylogenetic analysis methods to reliably recover how 'evolution' proceeds specifically in *language*. I present first the new IE-CoR language database — useful independently for many other research ends, too. I show how the phylogenetic analysis came to its results, in tree structure and chronology, and how those point to a new 'hybrid' hypothesis of Indo-European origins, assessed also against archaeology, ancient DNA, and some widely-held objections. I clarify some ongoing misconceptions about Bayesian phylogenetics, and how to read its results — but also illustrate outstanding issues that the methodology still faces, and possible next steps to attenuate them.

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