The Bohemian Eigenvalue Project

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A "Bohemian" family is a set of matrices with entries drawn from a single finite set, for instance F = {-1, 0, 1}. The name is a mnemonic for "BOunded HEight Matrix of Integers" (BOHEMI...close enough). Such matrices occur in very many applied contexts, including matrices whose entries are drawn "at random" from F, "at random" meaning according to some discrete probability distribution.

This talk will explore some recent results, touching on combinatoric, number theoretic, statistical, and computational subjects.
See the website bohemianeigenvalues.com.

Joint work with many people, but especially with Steven E. Thornton.