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An average Sato-Tate for non-tempered representations.

The (now proved) Sato-Tate conjecture predicts the distribution of Hecke eigenvalues of certain non-CM modular forms. After introducing a representation-theoretic reformulation and generalizations to groups beyond GL_2 , I'll discuss joint results with Rahul Dalal giving a Sato-Tate result on average for certain non-tempered representations on unitary groups.