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Tests of uniformity

Wednesday, October 30, 2024 9:00 AM (30 minutes)

I will present a Julia package. This package proposes two statistical tests aiming at testing uniformity of samples of data points on homogeneous compact Polish spaces. Such tests are based on the computation of nearest neighbours distances.

I will show numerical results on the flat torus, the circle, the sphere, and a subset of the Poincaré disk.

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