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Kathrin Bringmann, Chris Jennings-Shaffer and Karl Mahlburg*

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A unimodal sequence of integers is a sequence of positive integers that increase to a peak, and then decrease; there are many natural variants/subclasses: for example, the increasing parts might be required to increase strictly. I will discuss recent work on the combinatorial and asymptotic properties of such sequences, particularly focusing on the asymptotic behavior and asymptotic probabilistic distribution of the "rank" statistic. (Received September 15, 2019)