Abstract: We introduce the notion of the \( q \)-analog of the \( k \)-th order statistics. We give a distribution and asymptotic distributions of \( q \)-analogs of the \( k \)-th order statistics and the intermediate order statistics with \( r \to \infty \) and \( r - k \to \infty \) in the projective geometry \( PG(r - 1, q) \).

2000 AMS Mathematics Subject Classification: Primary: 60G70; Secondary: 51E20.

Keywords and phrases: Order statistics, limit theorems, \( q \)-analog, finite projective geometry.