1026-11-72 **Carl Pomerance*** (carl.pomerance@dartmouth.edu), Department of Mathematics, Dartmouth College, Kemeny Building, Hanover, NH 03755, and **Igor E. Shparlinski**. *Rank statistics for a family of elliptic curves over a function field*.

We show that the average and typical ranks in a certain parametric family of elliptic curves described by D. Ulmer tend to infinity as the parameter $d \to \infty$. This is perhaps unexpected since by a result of A. Brumer, the average rank for all elliptic curves over a function field of positive characteristic is asymptotically bounded above by 2.3. (Received February 13, 2007)