Zbl 146.25402
Erdős, Pál; Turán, Pál
On some problems of a statistical group theory (In Hungarian)
Magyar Tud. Akad., Mat. Fiz. Tud. Oszt. Közl. 17, 51-57 (1967).

After a general motivation (indicating even the necessity of a statistical algebra) several simple laws are given among others for the distribution of values resp. for the arithmetical structure of the (grouptheoretical) order $O(P)$ of the elements P of S_n, the symmetric group with n letters. A list of some further problems is added.

Classification:
20-99 Group theory and generalizations