

**Doob, Joseph L.**

**Probability vs. measure.** (English) [Zbl 0791.60001](#)

Ewing, John H. (ed.) et al., Paul Halmos. Celebrating 50 years of mathematics. New York: Springer-Verlag. 189-193 (1991).

The author remarks that some probabilists believe that the absorption of probability by measure theory was useless. He himself thinks that the “psychological integration” of the former by the latter is incomplete and that a certain aspect of probability does not need “subtle measure- theoretic concepts”. He also maintains that the previous stress on independence in probability is replaced now by an emphasis on conditional probability and conditional expectation and that the study of the “historical non-mathematical context” of probability led to success both in measure theory and probability proper.

For the entire collection see [[Zbl 0777.00059](#)].

Reviewer: [O.B.Cheinine \(Köln\)](#)

**MSC:**

- [60-03](#) History of probability theory
- [28-03](#) History of measure and integration
- [01A60](#) History of mathematics in the 20th century

**Keywords:**

[probability](#); [measure theory](#)