

# **PROBABILITY DISTRIBUTIONS OF THE VERSES, WORDS, AND LETTERS OF THE HOLY QURAN**

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## **ABSTRACT**

Classification of raw data through a frequency distribution is very important to determine the nature of the data distribution (probability distribution) and their structures. This paper describes the classifications of the number of verses (Ayas), words and letters in the chapters (Sura) of the Holy Quran using frequency distributions (tables) and then drawing histograms for each of the three types in order to find their structures. The main objective of this paper is to test and compare the frequency distributions of verses, words and letters of the Holy Quran with the common theoretical probability distributions using appropriate statistical methods. The results showed that the probability distributions for the number of verses and words per Quranic chapter are Exponential and Gamma respectively.

**KEYWORDS:** Holy Quran, Classification, Chapter (Sura), Verse (Aia), Frequency Distribution

Probability Distribution