2. Literature Review

Rainfall prediction has long been regarded as one of the most important jobs in meteorology and climate science, as it is closely related to several challenges such as water management, agricultural productivity, and catastrophe avoidance. Rainfall prediction could eventually play a key part in disaster management, with early warnings allowing governments, humanitarian groups, and rescue teams to plan ahead of time in flood-prone areas. With the development of AI and machine learning, new techniques have been developed to predict and classify data based on their analysis.