

Future Scope

Statistical convergence and ideal convergence has a lot of scope for future research point of view. Research in the following directions can enable the researchers to work towards strengthening the power of generalized convergence on certain spaces. In present work, we have introduced the idea of (λ, μ) - statistical convergence of order $\tilde{\alpha}$ for double sequence space. The idea of statistical convergence of order $\tilde{\alpha}$ can also be developed with the help of lacunary sequences and difference sequences for double sequence space. Further, ideal analogue of lacunary statistical convergence of order $\tilde{\alpha}$ can be explored to the future work. Also, the idea of Λ - statistical convergence of order $\tilde{\alpha}$ is open for double sequences on Random 2-normed spaces and Random n -normed spaces. Statistical convergence of order $\tilde{\alpha}$ is open to be discussed for double sequences in probabilistic normed spaces. Thus, we can say that these generalized convergence methods have a lot of scope for further developments.