Consider i.i.d. (independent, identically distributed) random vars $X_1, X_2, X_3, ...$ could be discrete. X_i has $\mu = E[X_i]$ and $\sigma^2 = Var[X_i]$ Unif (10, 11, 12, ..., 140) As $n \to \infty$,

$$\frac{X_1 + X_2 + \dots + X_n - n\mu}{\sigma\sqrt{n}} \longrightarrow N(0, 1)$$

Restated: As $n \rightarrow \infty$,

$$M_n = \frac{1}{n} \sum_{i=1}^n X_i \to N\left(\mu, \frac{\sigma^2}{n}\right)$$

