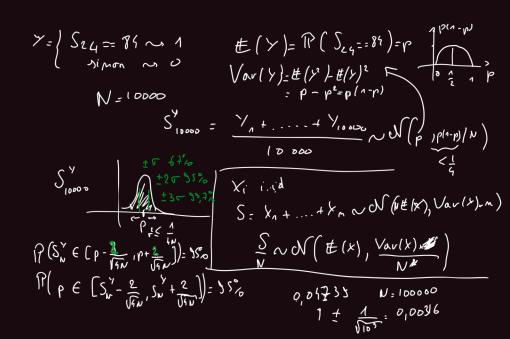
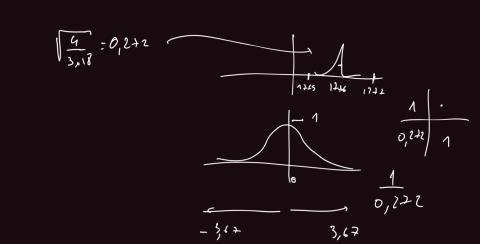
$$X_{i} \sim \mathcal{U}\left\{1_{1,...,6}^{2}\right\} \qquad \mathbb{E}(x_{i}) = \frac{7}{2} \quad Var(x_{i}) = \frac{4}{2}(x_{i}^{2}) - (\mathbb{E}(x_{i}))^{2} = \frac{35}{12}$$

$$S_{21} = x_{1} + ... + x_{21} \qquad \mathbb{E}(S_{21}) = 34 \quad Var(S_{21}) = 70$$

$$S \sim \mathcal{N}(89, 70) \quad S \approx S_{21} \quad \text{min'}$$





$$X = \begin{cases} 2 & \text{ave pulm } \frac{1}{9} & \text{E}(x) = -\frac{1}{9}, & \text{E}(x') = \frac{1}{9}, & \frac{3}{9}, & 1 = \frac{7}{9}, \\ -1 & -\frac{3}{9} & \text{Var}(x) = \text{E}(x') - \text{E}(x)' = \frac{7}{9} - \frac{1}{16} = \frac{27}{16} \\ \text{P}(S_{240} > 0) = \end{cases}$$

$$\frac{1}{4}$$
 V

S 46 NOV (-60, 27,240)