Imegalitatea Ehermoff-Hoeffding $P(|\bar{X}-\mu|\geq 2)\leq 2e^{-\frac{2\pi n_2^2}{(7-x)^2}}$

umale

- · m -> mr de simulari
- 02 marja de moore donità
- * × 4-19 unt limitele intervalului in eare variase variabila alpatorie

Pt a avea 1 mivel de imerodere:

1-2e 7-x12 = 1

Derivarea formulai

- D Reorganisain pt m: 2e - 9-2 ≤ 1-1
- 1 Loam log nat.

@ Obtinem

n=- Pn (1-4)(4-x)2

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Eakulaim mr. de simulari Îm Pateria 6/49 imterialil volonilar posibile pt mr ale bilete este [1,13,993,916]. Astfel x=1 51 4=13 993 2-16

$$m \ge -\frac{\ln(\frac{7-0.9}{2}) \cdot (139838115)^2}{2 \cdot (60000)^2}$$

Pt a respecter complitio uni nivel de încreptere de esti, prob de prouve trebcip sa fre cel mult osos

2.
$$e^{\left(\frac{2me^2}{m_{bi}l_{e}l_{e}}\right)} \leq 0.05$$
 / lm
 $m_{bi}l_{e}l_{e} \geq \frac{2me^2}{-lm(0.025)}$

Calculul dimensionii sample alai