
1. INDICACIONES

Se utilizó los siguientes parámetros:

- $m \in \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$
- $\text{unaD} \in \{\text{True}, \text{False}\}$

En total, se plantean 25 preguntas.

2. BANCO DE PREGUNTAS

2.1 Poisson

1. Poisson - 1

Sea $X \sim \text{Poi}(6)$. Calcule $P(2 \leq X \leq 9)$.

- $0.8987 \pm 0.001 \checkmark$

2. Poisson - 2

Sea $X \sim \text{Poi}(4)$. Calcule $P(9 \leq X \leq 10)$.

- $0.0185 \pm 0.001 \checkmark$

3. Poisson - 3

Sea $X \sim \text{Poi}(5)$. Calcule $P(X \geq 0)$.

- $1.0 \pm 0.001 \checkmark$

4. Poisson - 4

Sea $X \sim \text{Poi}(1)$. Calcule $P(0 \leq X \leq 3)$.

- $0.981 \pm 0.001 \checkmark$

5. Poisson - 5

Sea $X \sim \text{Poi}(8)$. Calcule $P(9 \leq X \leq 11)$.

- $0.2955 \pm 0.001 \checkmark$

6. Poisson - 6

Sea $X \sim \text{Poi}(7)$. Calcule $P(X = 5)$.

- $0.1277 \pm 0.001 \checkmark$

7. Poisson - 7

Sea $X \sim \text{Poi}(6)$. Calcule $P(7 \leq X \leq 14)$.

- 0.3923 ± 0.001 ✓

8. Poisson - 8

Sea $X \sim \text{Poi}(7)$. Calcule $P(10 \leq X \leq 12)$.

- 0.1425 ± 0.001 ✓

9. Poisson - 9

Sea $X \sim \text{Poi}(10)$. Calcule $P(4 \leq X \leq 15)$.

- 0.9409 ± 0.001 ✓

10. Poisson - 10

Sea $X \sim \text{Poi}(8)$. Calcule $P(7 \leq X \leq 9)$.

- 0.4032 ± 0.001 ✓

11. Poisson - 11

Sea $X \sim \text{Poi}(5)$. Calcule $P(7 \leq X \leq 10)$.

- 0.2241 ± 0.001 ✓

12. Poisson - 12

Sea $X \sim \text{Poi}(8)$. Calcule $P(X \geq 6)$.

- 0.8088 ± 0.001 ✓

13. Poisson - 13

Sea $X \sim \text{Poi}(5)$. Calcule $P(X = 1)$.

- 0.0337 ± 0.001 ✓

14. Poisson - 14

Sea $X \sim \text{Poi}(4)$. Calcule $P(X \leq 0)$.

- 0.0183 ± 0.001 ✓

15. Poisson - 15

Sea $X \sim \text{Poi}(4)$. Calcule $P(2 \leq X \leq 6)$.

- 0.7977 ± 0.001 ✓

16. Poisson - 16

Sea $X \sim \text{Poi}(2)$. Calcule $P(X \geq 4)$.

- 0.1429 ± 0.001 ✓

17. Poisson - 17

Sea $X \sim \text{Poi}(2)$. Calcule $P(3 \leq X \leq 5)$.

- 0.3068 ± 0.001 ✓

18. Poisson - 18

Sea $X \sim \text{Poi}(6)$. Calcule $P(X \geq 1)$.

- 0.9975 ± 0.001 ✓

19. Poisson - 19

Sea $X \sim \text{Poi}(9)$. Calcule $P(X = 9)$.

- 0.1318 ± 0.001 ✓

20. Poisson - 20

Sea $X \sim \text{Poi}(3)$. Calcule $P(2 \leq X \leq 4)$.

- 0.6161 ± 0.001 ✓

21. Poisson - 21

Sea $X \sim \text{Poi}(10)$. Calcule $P(X = 3)$.

- 0.0076 ± 0.001 ✓

22. Poisson - 22

Sea $X \sim \text{Poi}(1)$. Calcule $P(X = 1)$.

- 0.3679 ± 0.001 ✓

23. Poisson - 23

Sea $X \sim \text{Poi}(10)$. Calcule $P(11 \leq X \leq 22)$.

- 0.4167 ± 0.001 ✓

24. Poisson - 24

Sea $X \sim \text{Poi}(4)$. Calcule $P(X = 1)$.

- 0.0733 ± 0.001 ✓

25. Poisson - 25

Sea $X \sim \text{Poi}(7)$. Calcule $P(X = 10)$.

- 0.071 ± 0.001 ✓