

## DEPARTMENT OF ECONOMETRICS, STATISTICS AND APPLIED ECONOMY

Business Administration and Management Degree

Statistics I. Computing Practice 2. Probability and Random Variables

Correction Date: 2018-12-13 12:30:41

Final Mark: 9.5 [10 available points]

Student's Information

Niub: 99999999

Class Group: 1



Statement	Student's Results	Computed Results	Mark(*)
01.- [0.5 points]. Discrete. $P(X \leq 3)$	0,62	0,62	0,5
02.- [0.5 points]. Discrete. $P(2 < X \leq 5)$	0,385	0,385	0,5
03.- [0.5 points]. Discrete. $P(X > 2)$	0,568	0,568	0,5
04.- [0.5 points]. Discrete. Binomial. $P(Y = 8)$	0,089	0,089	0,5
05.- [0.5 points]. Discrete. Binomial. $P(8 < Y \leq 13)$	0,684	0,684	0,5
06.- [0.5 points]. Discrete. Binomial. $P(Y > 8)$	0,818	0,818	0,5
07.- [0.5 points]. Discrete. Poisson. $P(Z = 5)$	0,175	0,175	0,5
08.- [0.5 points]. Discrete. Poisson. $P(Z > 7)$	0,133	0,133	0,5
09.- [0.5 points]. Discrete. Poisson. $P(7 \leq Z < 9)$	0,133	0,17	0
10.- [0.5 points]. Continuous. Uniform. $P(U < 4)$	0,375	0,375	0,5
11.- [0.5 points]. Continuous. Uniform. $P(2 < U < 3)$	0,125	0,125	0,5
12.- [0.5 points]. Continuous. Uniform. $P(U \geq 2)$	0,875	0,875	0,5
13.- [0.5 points]. Continuous. Exponential. $P(V > 10)$	0,05	0,05	0,5
14.- [0.5 points]. Continuous. Exponential. $P(V < 20)$	0,998	0,998	0,5
15.- [0.5 points]. Continuous. Exponential. $P(10 < V < 20)$	0,047	0,047	0,5
16.- [0.5 points]. Continuous. Normal. $P(W > 27)$	0,067	0,067	0,5
17.- [0.5 points]. Continuous. Normal. $P(W < 26)$	0,894	0,894	0,5
18.- [0.5 points]. Continuous. Normal. $P(23 < W < 25)$	0,15	0,15	0,5
19.- [0.5 points]. Given $T = 200 + 6 \cdot K$ compute the $E(T)$	980	980	0,5
20.- [0.5 points]. Given $H = 50 + 2 \cdot Q$ compute the $V(H)$	72	72	0,5

(\*) A tolerance of +/- 5% has been applied.

State of the Practice: Final Mark [X] Checking [ ]

Revision of the practice: Use teacher's visiting hours. Emails dealing with the practice won't be answered. Thank you.

R-Script by Jordi López-Tamayo, - July 2019 -