Lecter on Reviews Random Variables 08/25/2020

Student Gorad/Under trogramming R, python Eam Chen hn un Shouyu Chen 2 No poindors Grad Cris Clark Joshep R, Java, Matlas, Mae Cred Colin under C++, R, python, Me Bai under 34 R, SOL, Windows Coral Sin 2 Grack New, Ricttimas kailun 4 Un Diago (---), mae Yayun 2 92 Resecc Grad Ctt Caillin Josluph Jorg C++, 17then, winder ms Shuang and Qimu Yuan 1 CFT ( L chima

(1) = 2 (ee-27) (20)  $\int f(y) = \int f(y) + \int f(y)$ = 0 dy + [ce-27 dy  $f(\gamma) = \frac{1}{\sqrt{2n}} e^{-x/2}$ J J(7) 24

Solesewhere
$$\int f(y) \approx \int 5$$

$$-\infty$$

$$2$$

$$x_{17} = C$$

$$X + Y$$

$$-1 \times X = 1$$

$$1 \text{ Let}$$

$$f(x_{1}7) = C C$$

$$= \underbrace{C. e. x.e. Y}_{g(x)} \text{ independent}$$

$$f(x_{1}7) = C (x-y)^{2} \text{ Jependent}$$

$$f(x_{1}7) = \int (x,y) = \int ce^{x} \underbrace{O(x_{1}x)}_{O(x_{1}x_{2})} \underbrace{O(x_{2}x_{2})}_{O(x_{1}x_{2})} \underbrace{O(x_{2}x_{2})}_{O(x_{2}x_{2})}$$

$$\int (x, y) = \int ce^{x}$$

$$0 < x < y < 1$$

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$$1 \land 1$$

$$0 \land 1 \land 1$$

$$0 \land 1 \land 1$$

$$0 \land 1 \land 1$$

$$f(y_{1},y_{2}) = 3y_{1} \quad 0 = y_{2} \le y_{1} \le 1$$

$$P(0 \le y_{1} \le 0.5, \quad 0.25 \le y_{2})$$

$$3y_{1} \quad dy_{2} \quad dy_{1}$$

$$y_{2} = 0.25$$

$$y_{2} = 0.25$$

$$y_{3} = 0.25$$