Quedionos
10e have 4 components miniture of bivariate gardie
VW to 1 years
be for far far and fq. lit 21.
22 23 24, be the worceponding parameters for
Az Az, Aq, be the worceponding parameters for neepertuo bivariate Gaussian Driet ribution.
Then the minture deverty will
f= 2,f1 + 2,f2+ 2,f3+ 2,qfq], xuch that 2,1+2,2+2,3+2,5
Suppose we have dataset as $0 = \{n_1, n_2, n_3 - 2n\}$. Now we introduce variables which are hidden, $7,7$
Now we introduce variables which are hidden, 7,7)
z. zn; where-

2i = { o if no \(18t \) component

if no \(2^n \) component

if no \(2^n \) component

if no \(3^n \) component

if no \(3^n \) component

if no \(6 \) 3^n component

if no \(6 \) 4^n component

let & be on parameters. Now we can write umplete data Wy-like Whood ar follows: $log p(ni z_{i} | 0) = log (2if_{i}) \frac{(2i-1)(2i-2)(2i-3)}{-6}$ $72f_{2}\frac{7i(2i-2)(2i-3)}{2}$ $73f_{3}\frac{7i(2i-1)(2i-3)}{-2}$ 29tq 21(21-1)(21-2) } where fr. to, for and for are denotices of I historiate Gaussian Distribution present in minture.