If $\begin{pmatrix} x \\ y \end{pmatrix} \sim N(m(t), \Sigma(t))$ and m(t), Z(t) are cts in t, Then If [|XLt)| 14(t)] is confinences (and so build on a supart set) ENSITY E[XIt) E[XIt)

Xi ~ N(mit), oi(t))

Xi ~ N(mit), oi(t))

Xi ~ N(mit), oi(t)) Then F[T 1xil] is bounded on a compact set t: Deven, then

E[T(Xil^k) < TE[Xil^D]"= TE[Xil^D]"= Prof: Deven, then should be act frof the mijoi!, so acts frof to is odd.

 $f(E) \leq E(f)$