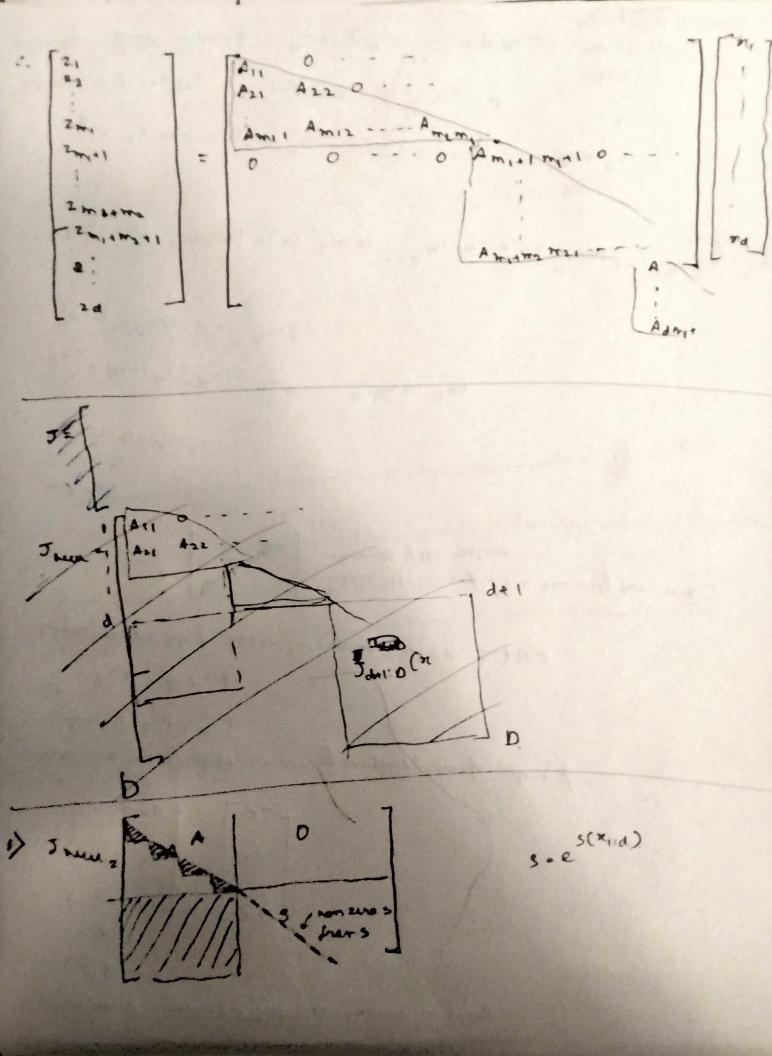
ECE792 (061) HWY SOMSHUBHRA ROY 1) given as Normalised Flow has 1 affine coupling f:x HZ m, Z ERP ie  $x = \begin{bmatrix} x_1 \\ \vdots \\ x_D \end{bmatrix}$   $\begin{bmatrix} 2^2 \\ 2^4 \\ \vdots \\ z_D \end{bmatrix}$ Three is a modification in during sampling / transformation of x instead of Zid 2 M 1:d Let Zied a A Kied. ahve Aisa bleck Louwr Triangelar Matrin. suchthat about the triengles are the only non-zero elements of the watrin. such that 21= A11 7, 222 A2171 + A22 ×2 ? 2me 2 Amil 1, + Amia 12+ Zmitl = Amiti mitl 2mi+m2 = Ami+m2 mi+1 + Ami+m2.mi+2 ni+2 + ... A mi+m2 mi 2d = Ad, m, e - mh-1+1 2m, + ... mn-1+1 + - 4... Add nd. where 05 mi, me, -... may sid & 2 mi =d. where . 5(.),+() finally month 2 delib = nd+1200 es(nid) + tonid) map Rd + R and . 4 0 is the alementantee



at | J | = T | det (triangular block = of A) @ dig (S)

Inercaring the number of triangular blocks allows the model, to capture more complen correlation in data arthous the model to be more enpressing. However it also increase the number of harmable parameters thus increasing computational complenity I only thing.

3) The modified Jacobian chargesthe geometry of the transformed data manifold & captures more complemedate correlations artich increases the enpressioners of the model thus invecasing the richness of the synthesised data.