SCORE MATCHING IN SHORT

DATA REALLY LOMES FROM 9/21.
I MODER THIS WITH \$(2,0).

HEURISTICS ARGMIN Egl Vx log g(x) - Vx log x(x, s)

= ARGMIN Eg [(7x log fix,0)] - 2 Eg[7x log fix,0) 7x log gix,]

= ARGMIN Eg [(Tx log fix, 0))]-2/2 Tx log fix, 0) Tx gix) ox

= A26MIN Eg[(Vx log f(x,0))2] - 2[Vxlog f(x,0)g(x)] + 2 E[Vxlog f(x,0)]

 $\approx ARGMN = E_{S} [(7x log f(x,0))^{2} + 2 \sqrt{x} log f(x,0)]$

EDI(1/2/0)2-20x1/03

HEURISTICS IS NOT ENOUGH MOTIVATED. I PROPOSE A DIFFERENT IDEA: LOOK AT WEF OF DILLING UD, ODD = KROL = k.e. VI'ds WASSERSTEIN GRADIENT FLOW.

DO MOVES MONOTONICALLY ALONG (STRICTLY) CONVEX WASSERSTEIN CEODESICS TOWARDS NO.

IF UB & DO MEN THE FLOW IS ALMOST STATIONARY. SO THE WASSERSTEIN GRADIENT IS SMALL.

FACT VW Dn. (Ng No)(x) = 72V(x) + 72log g(x).

FACT IF X ~ Ng, AND I EVOLVE X VIA X =- PWDAL (X E)
THEN LAW(X E) FOLLOWS THE WGF. IDEA: I WANT ED[1-72/0 - 12/0g g) 3 SMALL.

= E) [(| Px log f(x,0) - 7x log g(x) |]