

into independent component

Nam: - Parshua Shah, UID: 2019230071 Tutorial 4 Independent Component Analysis
- Mixing statistically independent sources now variance of = $uar(x) = \langle (x - \langle x \rangle)^2 \rangle$ = $\langle x^2 \rangle - (\langle x \rangle)^2$ = < (\(\xi\) \(\xi\) \ = \(\omega \omega \omega \) (< \disk; > - < \disk; > - < \disk; >) + £ w; ω; (< δ, δ, > - < δ; >) = \(\omega \cdot 2 \left(< \dagger \dagger \right) > - < \dagger \cdot 2^2 \right) + \(\dagger \omega \cdot \omega \cdot \omega \cdot \omega \cdot \dagger s; & s; are statistically independent for; #j and rul (5:) = 1 val(x) = \(\xi\) \(\frac{2}{3}\) to guarantee that mixture has · Swi = 1 = The following constraint has to be imposed on the weight us for the nixture to have unit variance x - connot be separated