









Q: Do we now know our modes?? A: No. Fundamentelly some ambiguity exist. 1) Could soy a= u, then at = o, v, $o = \overline{\alpha} = \sigma, \overline{u}, \overline{v}, \overline{v} = \overline{v}, \overline{v}$ 2) Similarly: We could have chosen 2, To I be mixtue at the & the. All we really know is that we have a 4-D subspace. Can Modily our model : Each movie has a vedur of to reflect what is possible of gradidies associated Each perron has a vedor 5 of sensitivities. $r(3, 5) = E \sigma_k g_k s_k$ $\begin{array}{c}
\left(\begin{array}{c}
\left(\overline{u},\right);\\ \left(\overline{u},\left(\overline{u},\right);\\ \left(\overline{u},\left(\overline{u},\right);\\ \left(\overline{u},\left(\overline{u},\right);\\ \left(\overline{u},\left(\overline{u},u\right);\\ \left(\overline{u},u,\right);\\ \left(\overline{u},u$ Now our learned model has Recell ti's an In long J's are n long. $\frac{1}{S_{2}} = \begin{bmatrix} (\overline{\nabla}_{1})_{2} \\ (\overline{\nabla}_{2})_{2} \\ (\overline{\nabla}_{2})_{2} \\ (\overline{\nabla}_{2})_{2} \\ (\overline{\nabla}_{2})_{3} \end{bmatrix}$ Next Hime: Using the model to do prediction?