Given that u_i is expressed by index I we have to okknine the I vector b such that is comes as close as possible to the true value of ui C "As close as possible is quantified by var(ui-ui) where (ui-ui) is colled prediction error and its variance is known as prediction error variance (PEV) PEU = var (4: -4:) -> minival => PEV= var (u; -ui) = var (ui-I) = var (ui-64*) = var (ui) + var (by*) - 2 cor (ui, by#) = 502 + brailyt) b - 26 cov(ui,y*) = 52 + 576 - 26G G= cov(n; y*) variance-covariance matrix