

To minimize residual projections: $\min \ge || x_i - (x_i^T u)u||^2$ $\min \sum X_i^T X_i - Z(X_i^T u)^2 + (X_i^T u)^2$ min \(\times \t min - Z(x, Tu)2 is same as max Z(x, Tu)2 Variance of projected point is $\frac{1}{20}$ solve $\frac{h}{max} \geq \left(\frac{1}{n} \times \frac{N}{2} \times \frac{1}{n} \cdot u \right)$ I \(\frac{N}{N} \) \(\frac{N}{1} \); = 0 \(\frac{1}{N} \) 50 variance simplifies to $M \times \sum_{i=1}^{N} (X_{i}, L^{i})^{2}$