

$$= \begin{pmatrix} 1 & x_1 & z_1 \\ \vdots & \vdots & \vdots \\ 1 & x_n & z_n \end{pmatrix} \begin{pmatrix} \frac{1}{n} - \frac{1}{n} & x_1/\|x\|^2 - x_n/\|x\|^2 \\ x_1/\|x\|^2 - x_n/\|x\|^2 & z_1/\|z\|^2 - z_n/\|z\|^2 \end{pmatrix}$$

$$= \begin{pmatrix} \frac{1}{n} + \frac{x_1^2}{\|x\|^2} + \frac{z_1^2}{\|z\|^2} \end{pmatrix}$$

First step: check power between best & perm in simple example

2nd step code up perm & best versions of Friedman - lane.

check the AFR & compare power!

