Real-world example: graduate admissions

- 3,000+ candidates in 3 categories: Admitted with Fellowship, Admitted without Fellowship, and Denied

  - Form paired comparisons between categories

- 5 features: GPA, GRE verbal, GRE quantitative, GRE writing, letters of rec. score (LoR)

Feature interactions in $\widehat{M}$.

$\lambda_1 = 1991$	0.909 GRE writing $- 0.392$ GPA
$\lambda_2 = 1971$	0.919 GPA $+ 0.393$ GRE writing
$\lambda_3 = 1178$	0.982 LoR
$\lambda_4 = 861$	0.942 GRE quant $- 0.310$ GRE verbal
$\lambda_5 = 286$	0.942 GRE verbal $+ 0.319$ GRE quant

Aim 1 summary

Existing forms of simple feedback can learn much richer preference models than previously established!

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