Lecture 3

Structure in matrices and where it comes from in applications.

Hankel structure in least squares.

Toeplitz matrices

Circulant matrices -

Common questions about these types of structure

Most important classes:
- Sparse matrices in studying random walks on the integers
- Positive Definite (Thursday Video)

Announcements.
- HW1 posted
- Office hours (see Piazza)
- Talk tomorrow 2:30pm Lawson 3102
- Video-only class Thursday