

## MATH 158: LIBRARY NOTES

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- all 7 colleges have representation in library
- anonymized data
- central controller makes log file (1 big string)
- signal strength vs access point analysis
  - how close? can indicate more or less access points
  - where are people sitting
  - what kind of furniture
  - general feedback
  - create space people want to come to
- signal strength vs location
  - session count
  - campus and locations? (cliques??)
- connection count by machine
  - how many sessions does a busy patron have?
- travel within the building
  - "spot bunny trail"
  - movement pattern (coming in from campus direction)
- hour of highest bandwidth usage
  - strong patterns
  - time of day (lunch, dinner)
- machine count per patron id
  - how many machines are people carrying out (1.8?)
  - could differ by campus
  - patron type: fresh, soph, faculty, staff ,etc
- determine thresholds of signals between floors?
  - shouldn't be happening
- proxy everything