Internet Research

1. Relate core of the network to activity at the edges

    - nature of packet losses on transit links. Are they correlated?
      How correlated? Transient behavior?
    - why large hierarchical network: need long hop counts and
      competition with other traffic.

2. Traffic models at the packet level: long range dependences

    - host traffic
    - transit traffic
    - network feedback on user behavior

3. New middleware web services

    - modeling user behavior & network feedback on users (closed models)
    - do better than HTTP 1.0: evaluate caching, replication,
      information discovery, prefetching

Crovella 1997