

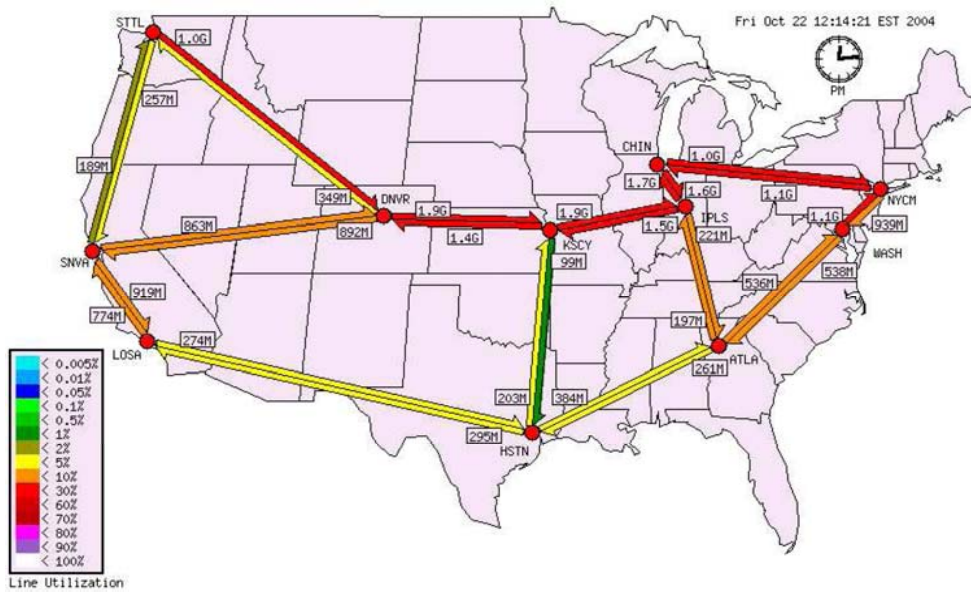
A Framework for Analysis of Anonymized Network Flow Data

Mark Meiss

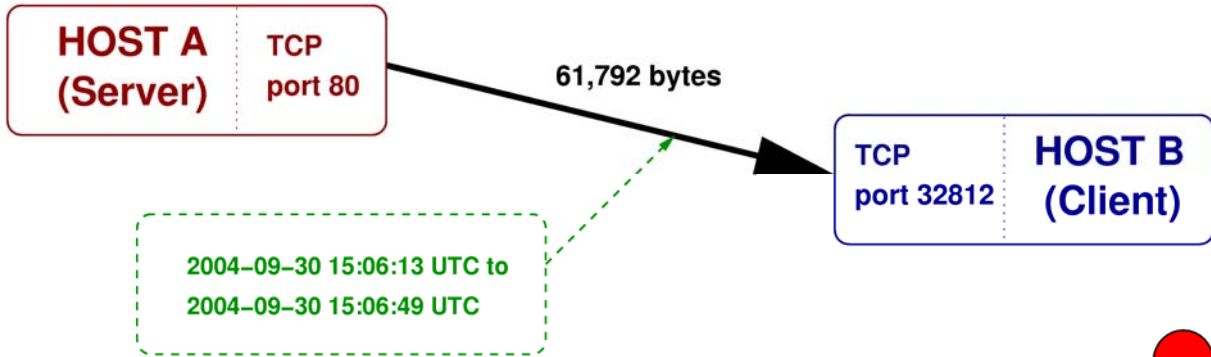
Filippo Menczer

Alessandro Vespignani

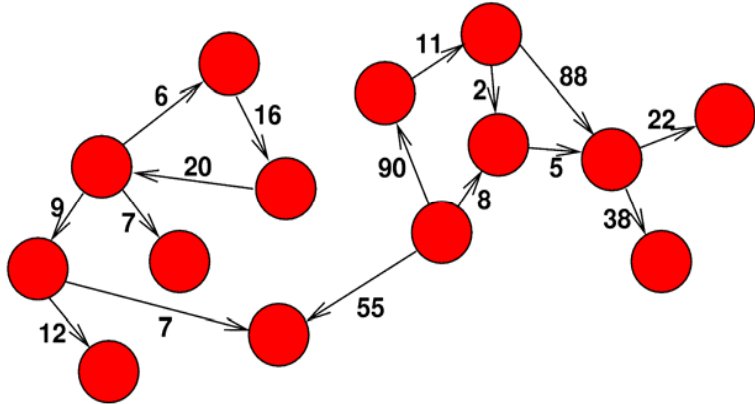
Indiana University



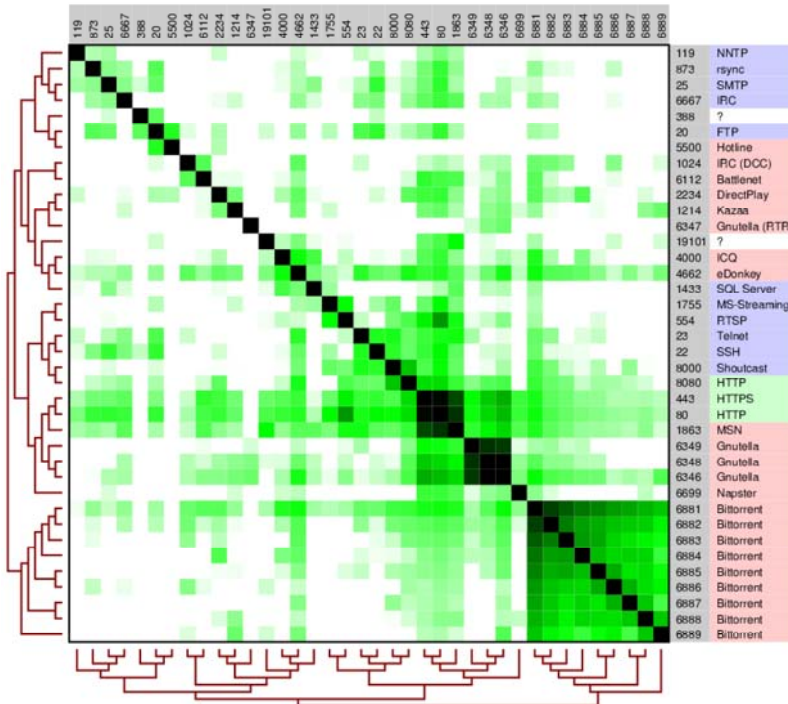
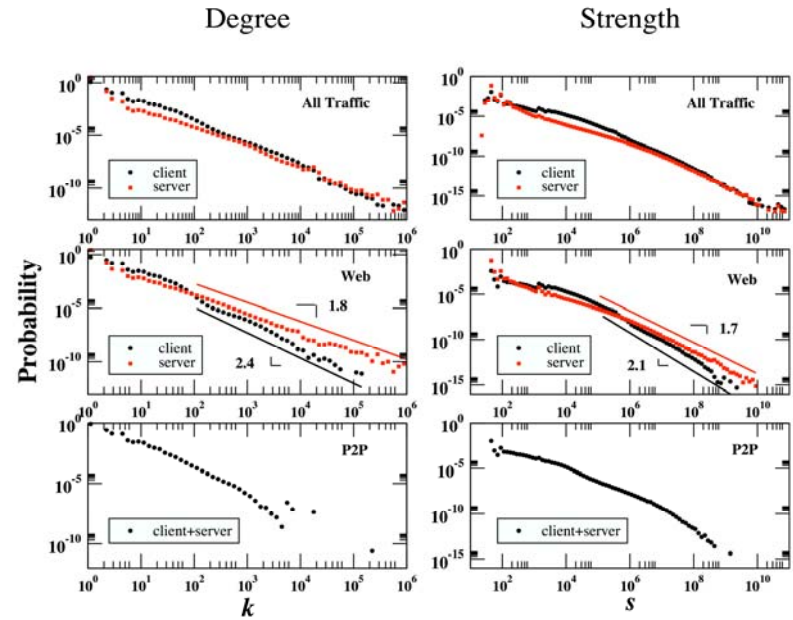
We gather **network flow data** from the Abilene network...
 ...treat each flow as an edge in a **weighted digraph**...



...and aggregate over time to form **behavioral networks** for Internet applications.



We can characterize applications using properties of these behavioral networks...



...and even construct a taxonomy of network applications.