



GOALS

- Understand DNS infrastructure and protocols
 - Understand related and dependent infrastructure (IP addresses, ASes, etc.)
 - Utilize datasets for meaningful passive analysis
 - Utilize tools for meaningful active analysis
 - Develop skills for interpreting and presenting analysis
-

CAVEATS AND CONSIDERATIONS

- Curriculum has time limitations
 - Courses often include students that are not well-versed in the topic area
 - Data must be shareable – either innocuous or anonymous
-

CURRENT APPROACH

- 2 weeks of overview of Internet protocols and infrastructure
- Every class involves reading, presenting, and discussing a measurement paper on a common topic
- 2 projects:
 - One is based on authoritative DNS data
 - One is open (with some suggestions: reproducibility, active measurement, extension of first project, etc.)



MORE

- Can we integrate cybersecurity and operations?
 - Can we work with undergraduate- as well as graduate-level education?
-