

Political Science 101, i.e., Paxos

Groked

- Paxos has **rounds**; each round has a unique ballot id
- Rounds are asynchronous
 - Time synchronization not required
 - If you're in round j and hear a message from round $j+1$, abort everything and move over to round $j+1$
 - Use timeouts; may be pessimistic
- Each round itself broken into phases (which are also asynchronous)
 - Phase 1: A leader is elected (**Election**)
 - Phase 2: Leader proposes a value, processes ack (**Bill**)
 - Phase 3: Leader multicasts final value (**Law**)