

## Self-Consistency & Voting Mechanism

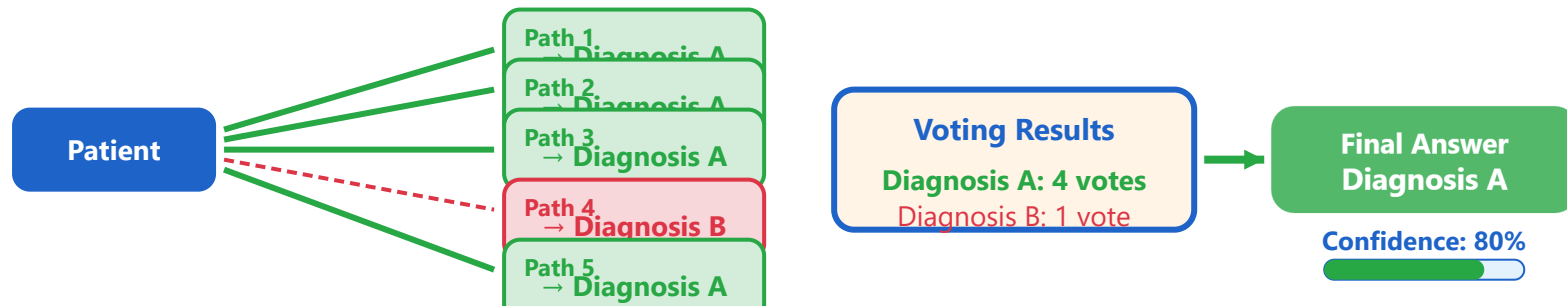
### Multiple Reasoning Paths

**Generate Multiple Solutions:** Sample 5-10 different reasoning paths

**Voting Mechanism:** Select most consistent answer across paths

**Confidence Boost:** Agreement increases reliability

### Example: 5 Reasoning Paths



Performance improvement: **5-15% accuracy gain** over single-path CoT