Weekly Iterations

Development approach: work organized into one-week cycles with clear goals and deliverables.

Why Weekly Iterations?

- Manageable scope

- Regular checkpoints for feedback

- Predictable cadence

- Quick learning for new members

- Visible progress

- Adaptability to changing priorities

The Weekly Cycle

1. Set clear objectives (research, modeling, development, docs)

2. Execute plan

3. Review and integrate (test, verify, consolidate)

4. Reflect and plan next iteration

Getting Started

1. First week: Understand scope, complete small task

2. Early iterations: Work closely with experienced members

3. Growing responsibility: More complex tasks

4. Full participation: Lead planning, contribute to retrospectives

Best Practices: Balanced Focus

Advance all areas each week: research, modeling, code, documentation. No area neglected too long.

Integration of Work Streams

- Connect empirical findings to theoretical models

- Translate models into implementations

- Document properties and foundations

- Ensure empirical work tests theory

Quality Standards

- Rigor in methodology

- Mathematical precision

- Robust testing

- Clear documentation

- Peer review

Communication

- Share progress regularly

- Raise blockers early

- Document decisions

- Ask when unclear

- Explain assumptions and limitations

- Use Discord for quick collaboration

Continuous Improvement

Each week advances understanding. Address gaps incrementally. Refine processes based on learning.