Modeling Workflow Overview

- 1. Capture the current loan baseline: balance, rate, payment, and PMI schedule.
- 2. Configure each refinance offer's rate, term, points, and fees \(with financing as chose
- 3. Generate amortization schedules, PMI streams, and monthly payment savings for the
- 4. Apply the savings rule:
 - Keep savings as cash? no extra principal or investing.
 - Apply savings to principal? redirect the payment gap back into the mortgage.
 - Invest savings monthly? invest upfront cash slack plus monthly savings in the selec
- 5. Grow home value along the CPI path and apply the chosen PMI cancellation trigger.
- 6. For investing, run nominal return paths adjusted for CPI across rolling windows to cap
- 7. Combine equity, side-account value, and cash effects \(in both nominal and real dolla