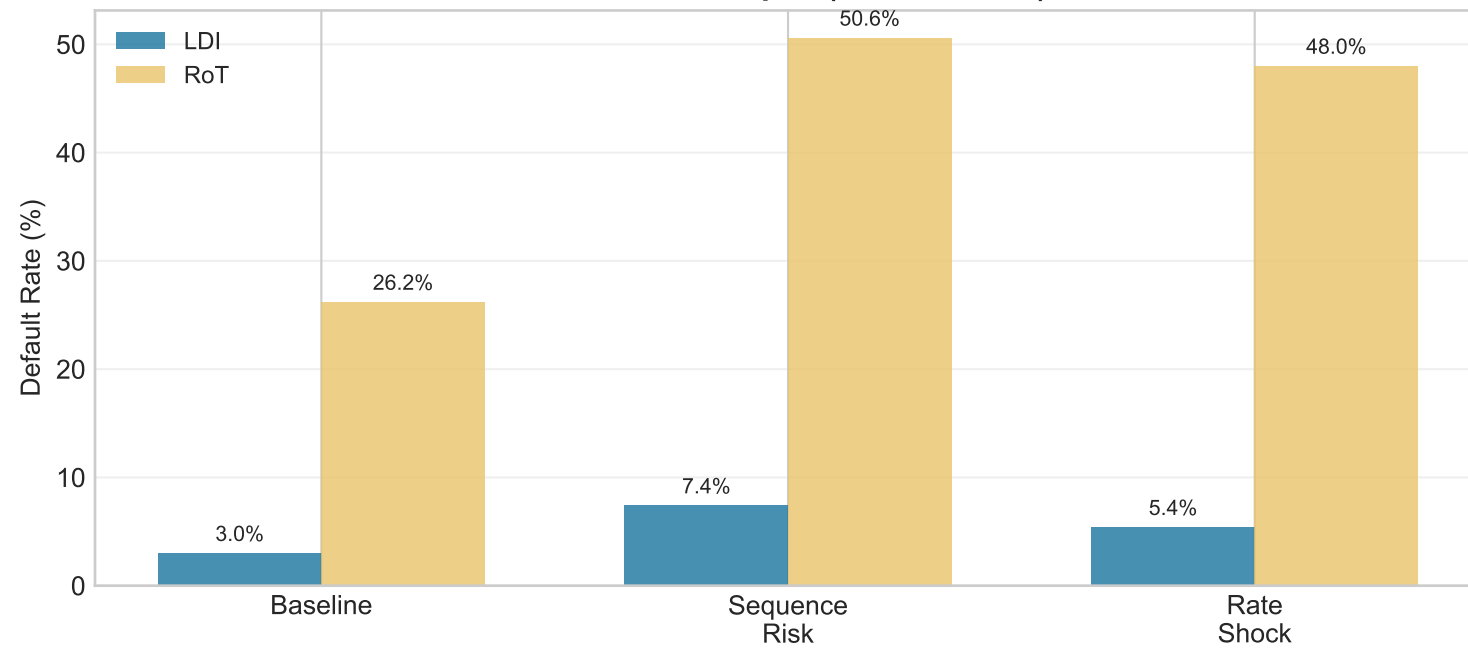
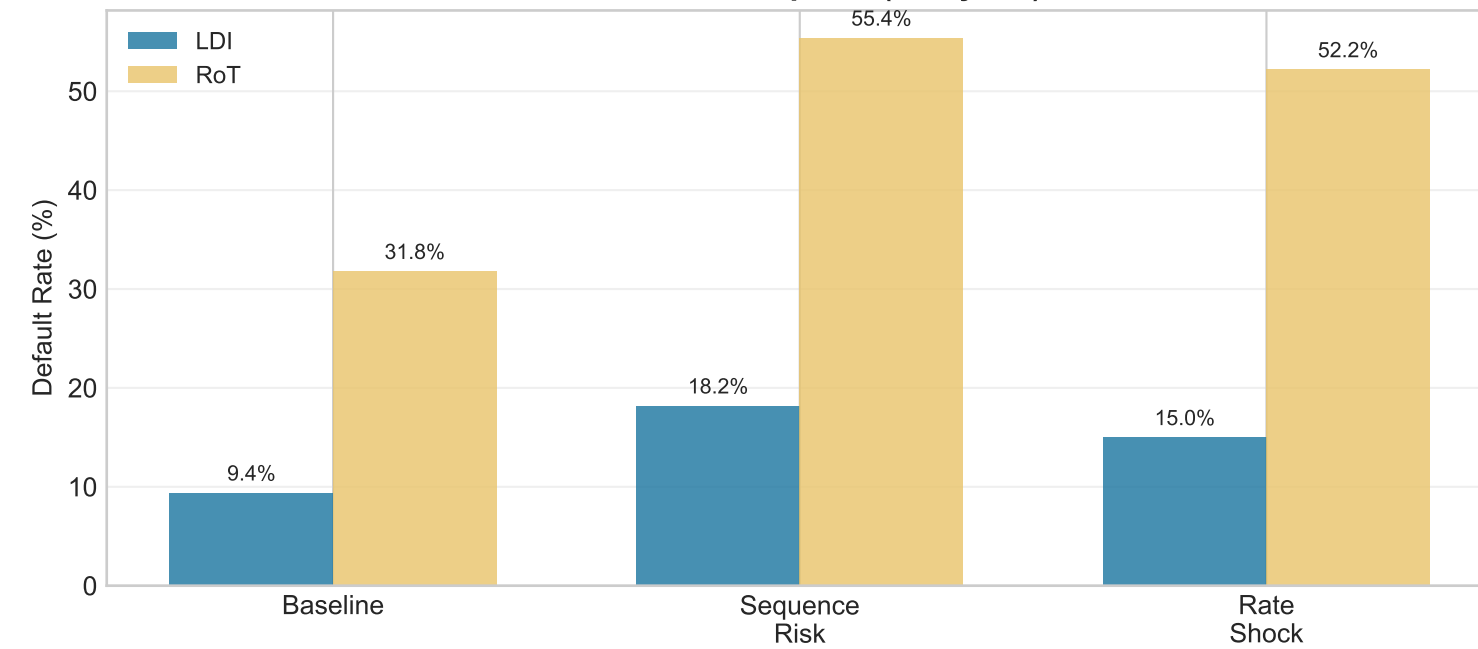


# LDI vs Rule-of-Thumb: Strategy Comparison Across Scenarios

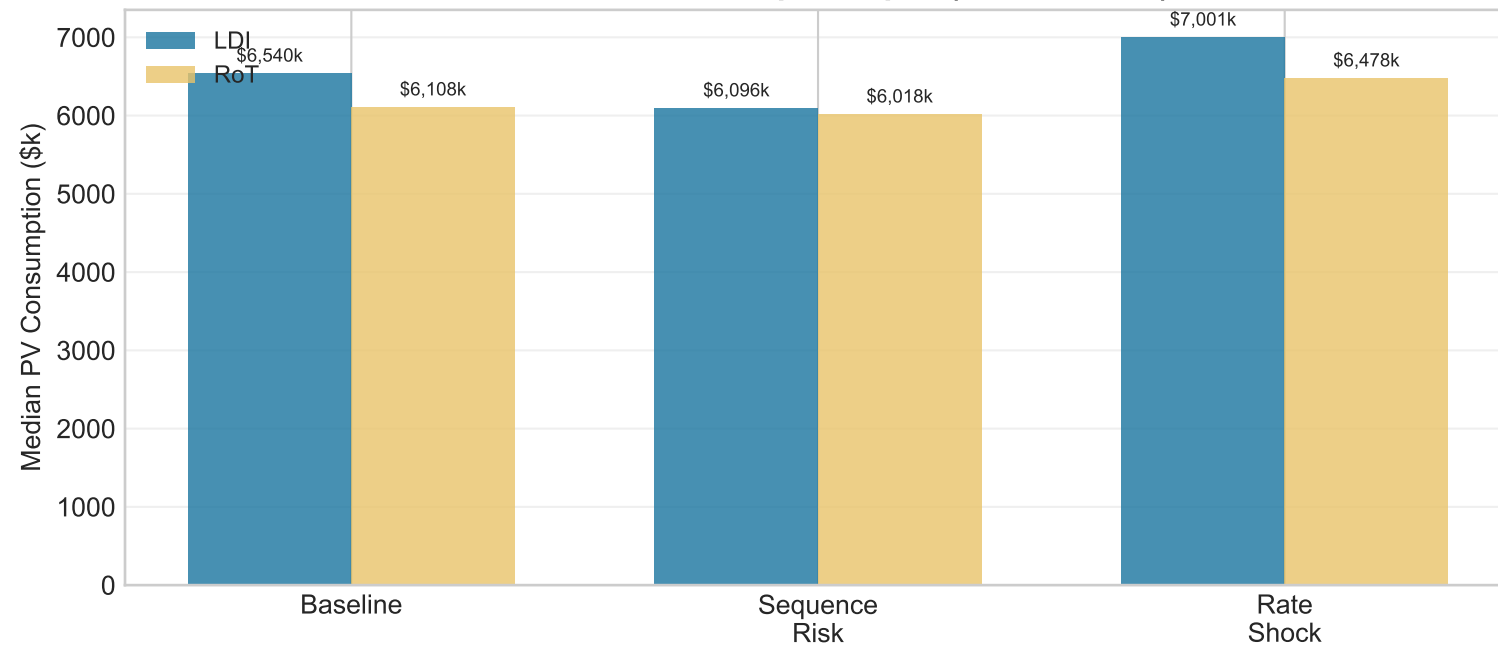
## Default Rates - $\beta=0$ (Bond-like HC)



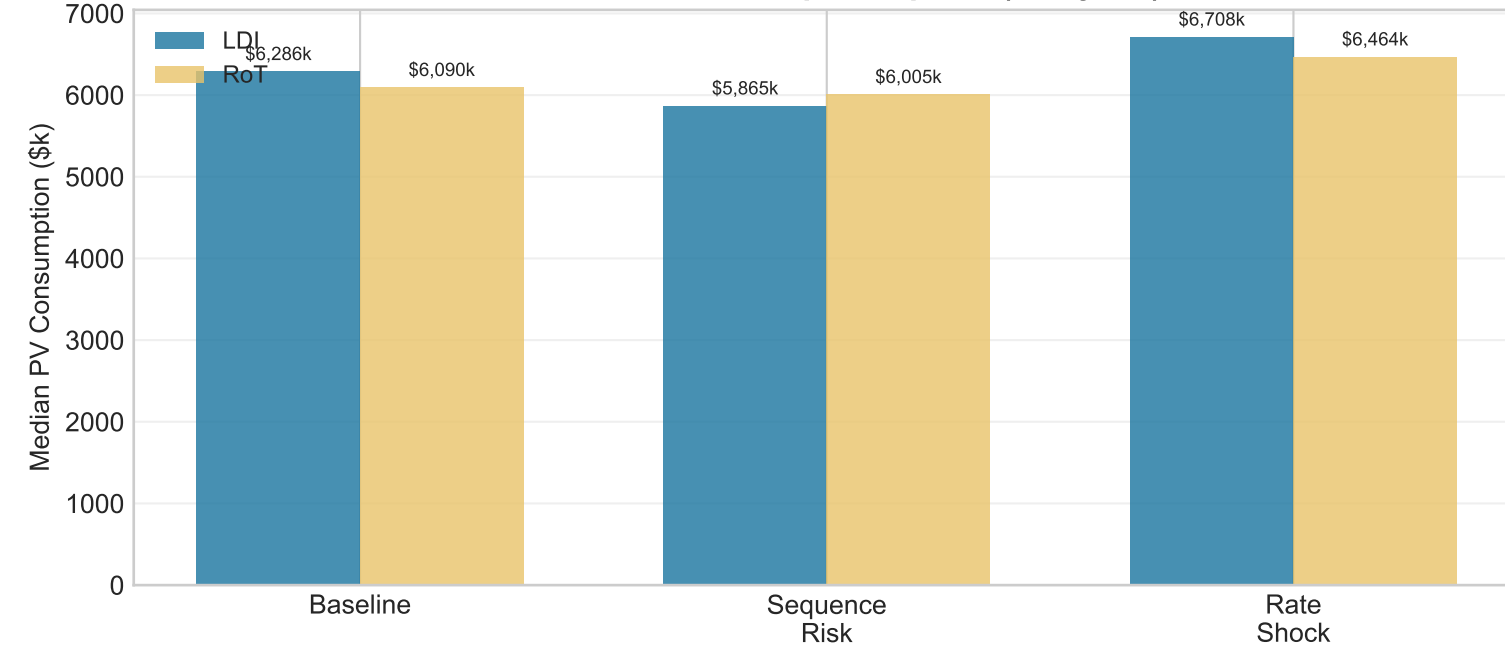
## Default Rates - $\beta=0.4$ (Risky HC)



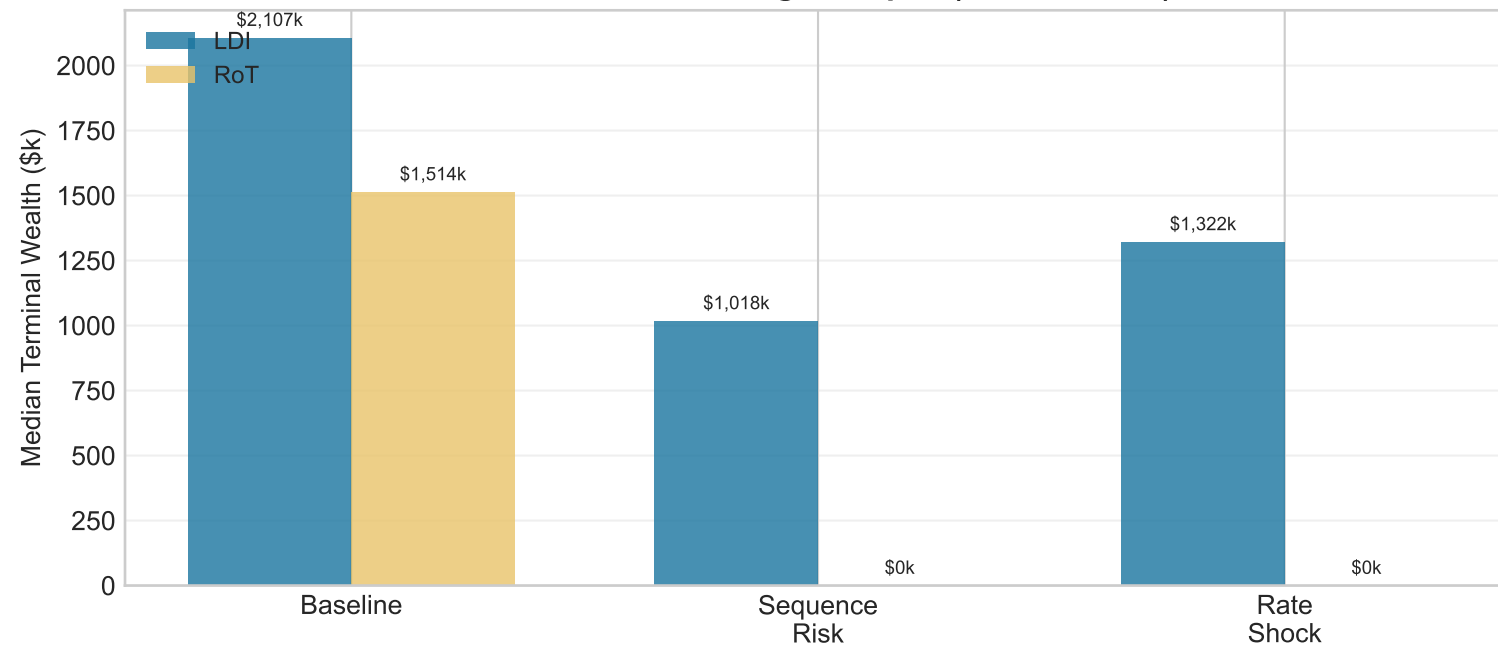
## PV Lifetime Consumption - $\beta=0$ (Bond-like HC)



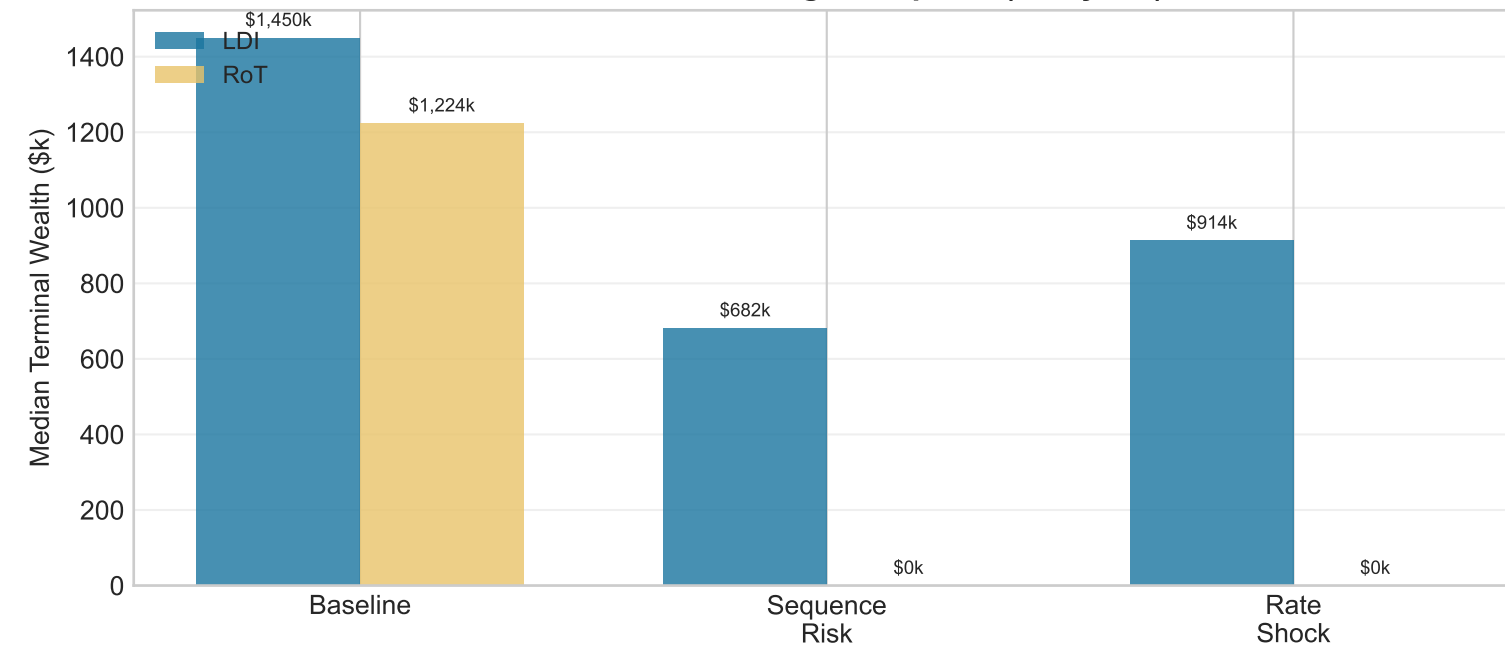
## PV Lifetime Consumption - $\beta=0.4$ (Risky HC)



## Terminal Wealth at Age 95 - $\beta=0$ (Bond-like HC)

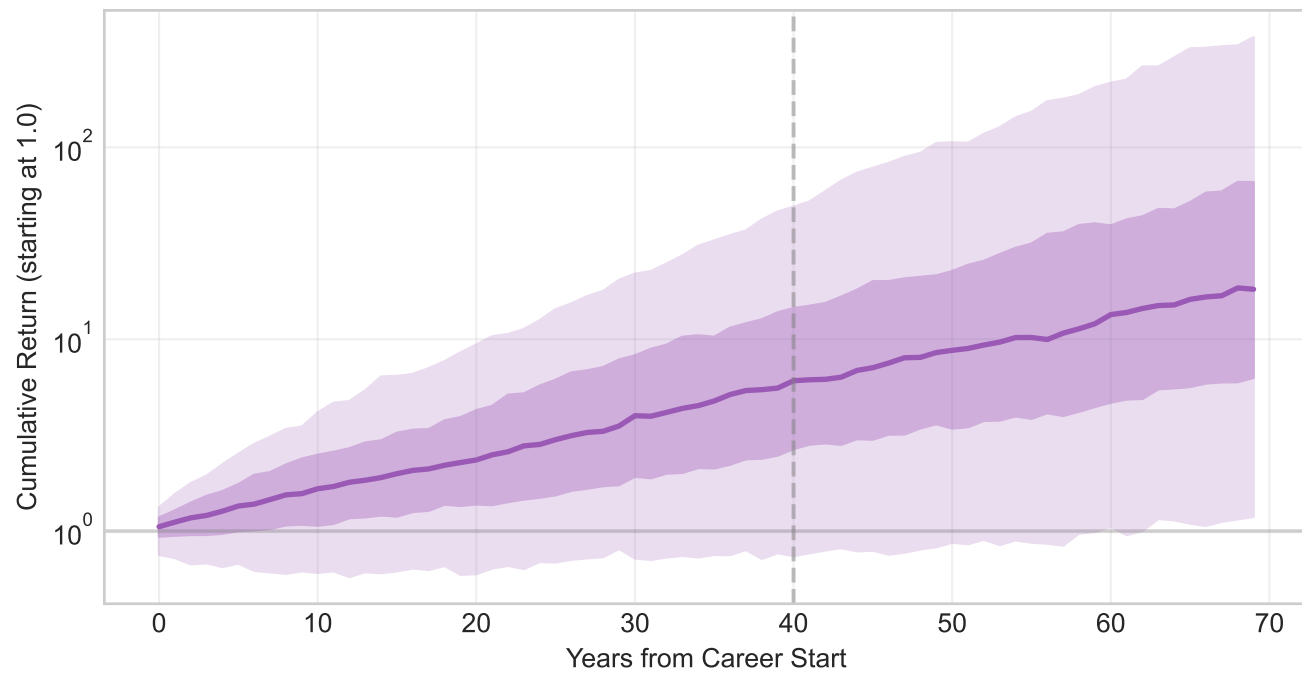


## Terminal Wealth at Age 95 - $\beta=0.4$ (Risky HC)

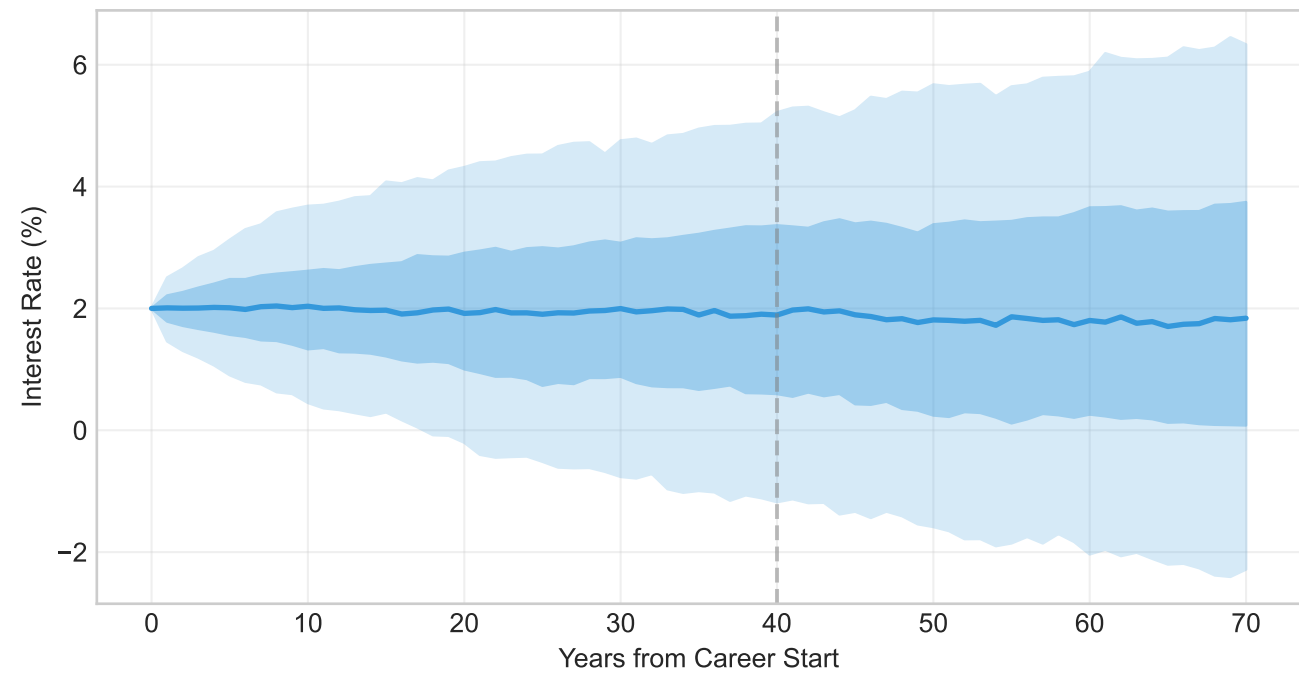


Baseline: Normal Monte Carlo ( $\beta=0$ , Bond-like HC)  
Standard random shocks - no scenario manipulation

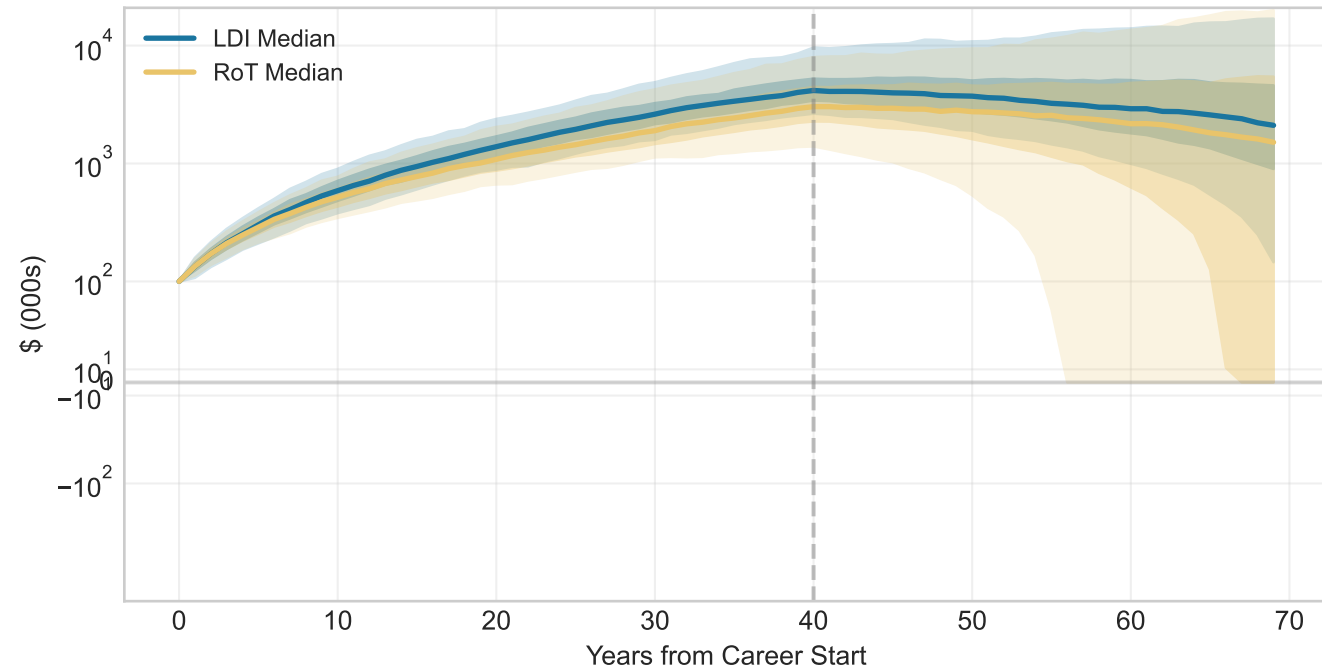
Cumulative Stock Market Returns



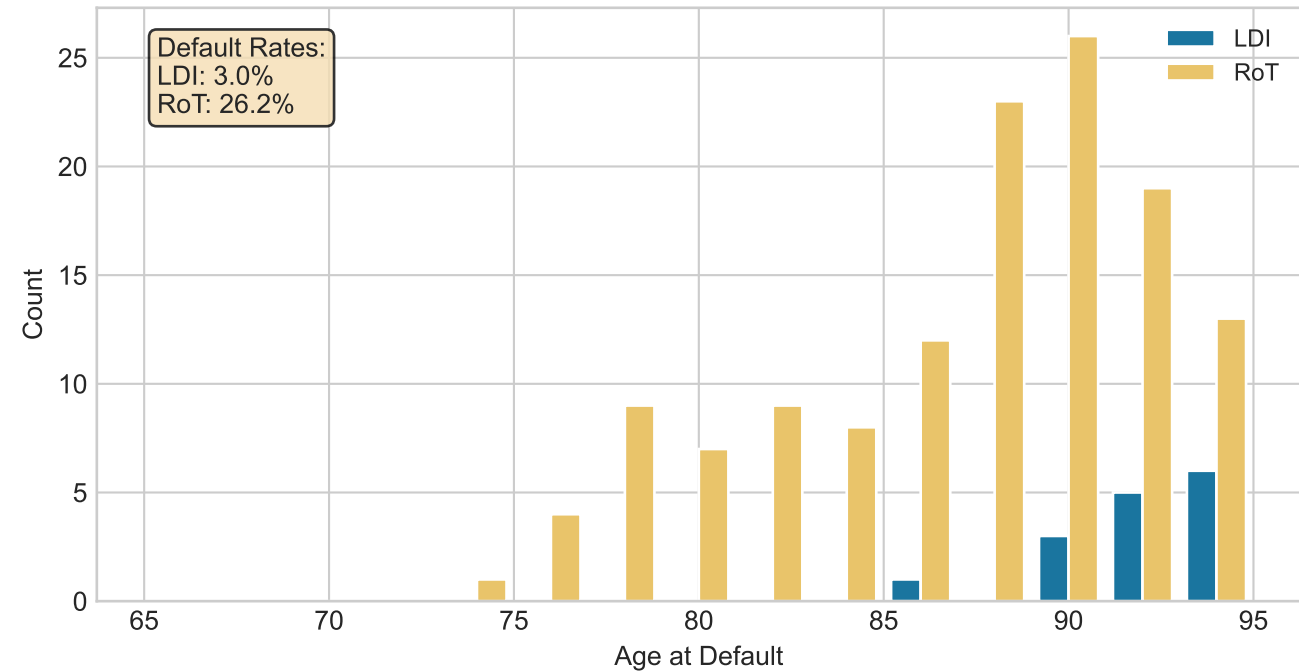
Interest Rate Paths



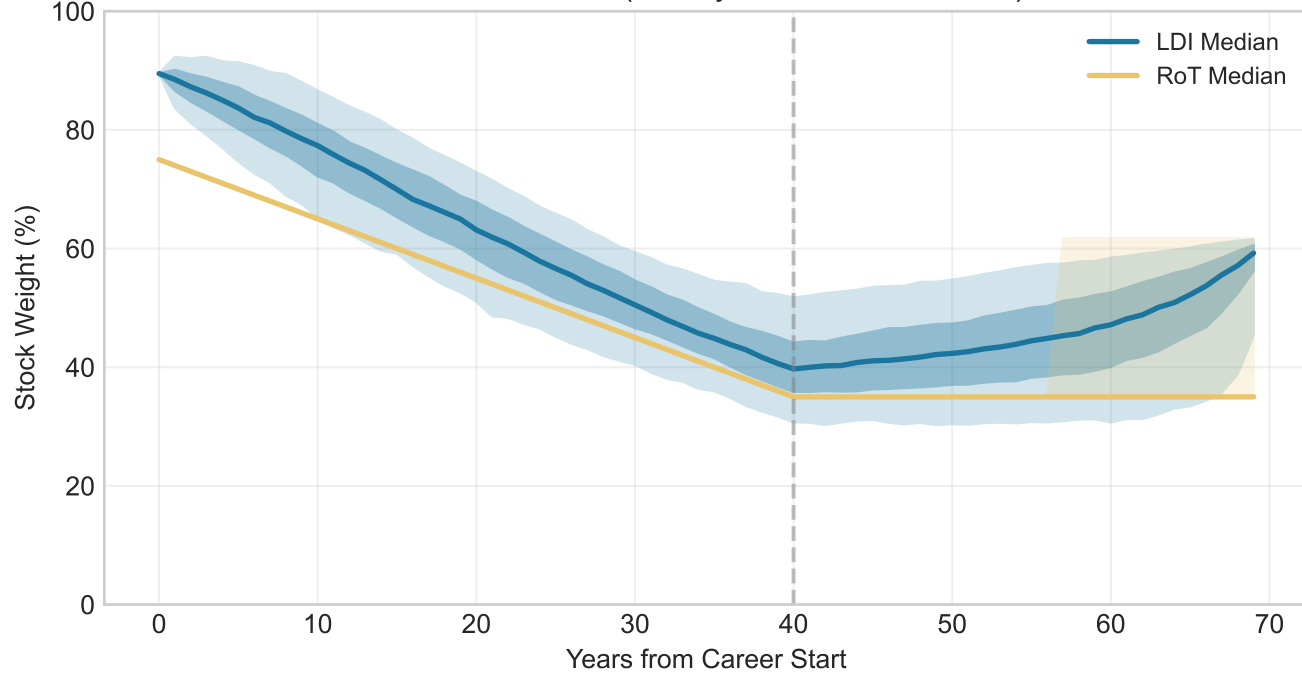
Financial Wealth



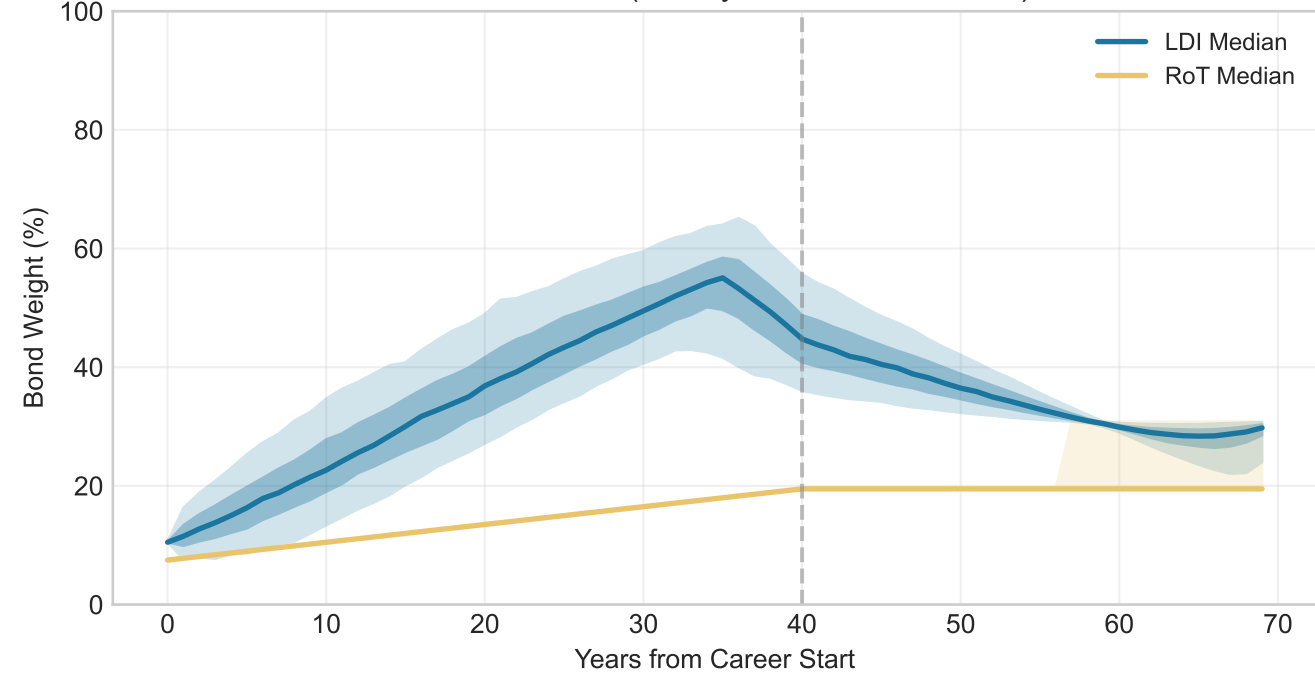
Default Timing



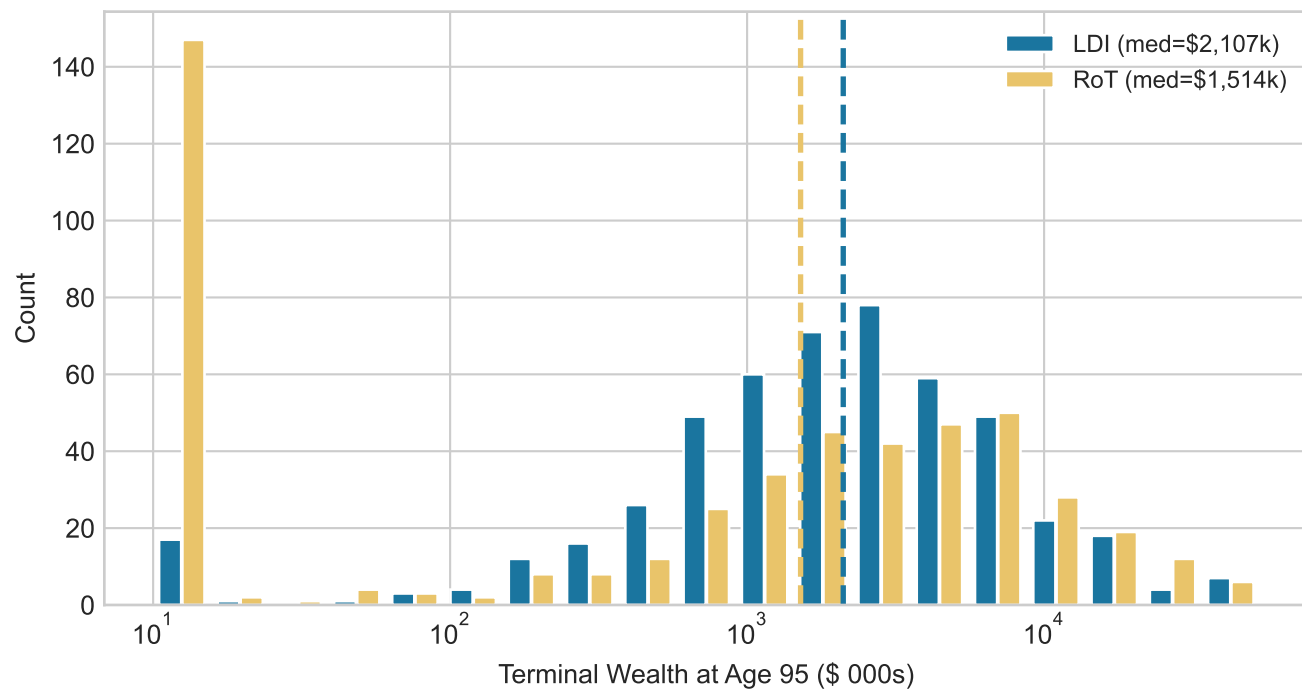
Stock Allocation (LDI Dynamic vs RoT Static)



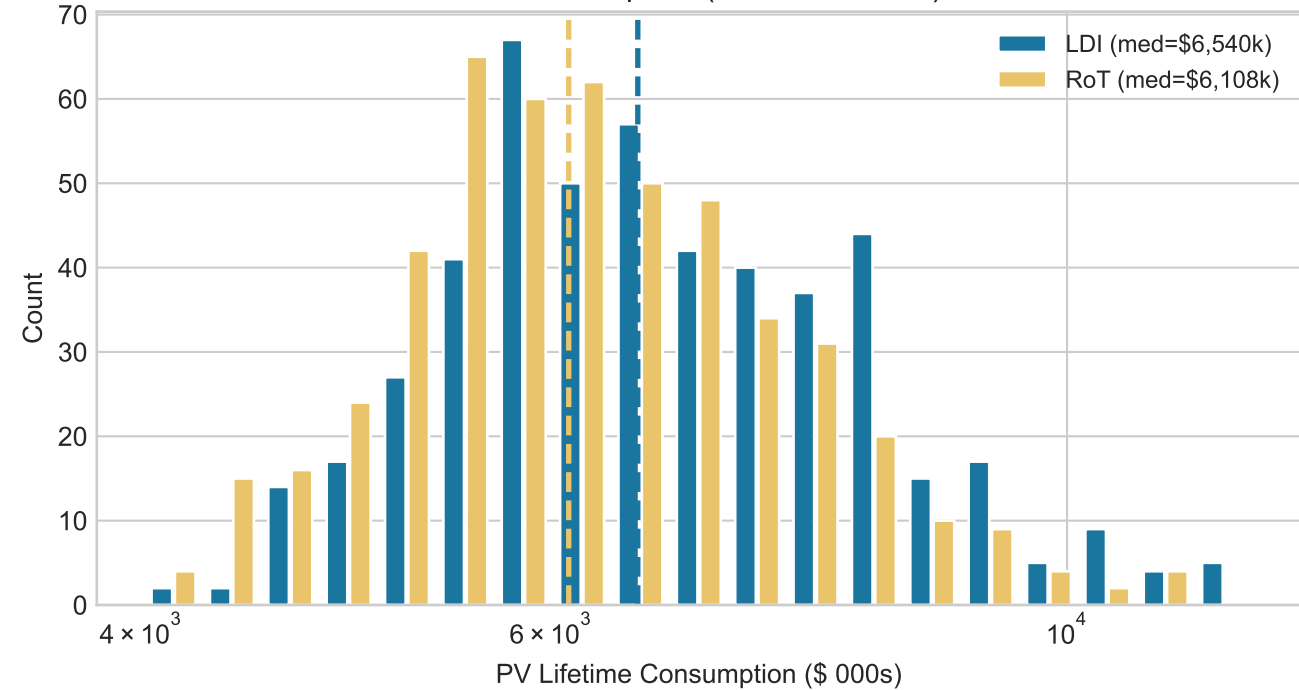
Bond Allocation (LDI Dynamic vs RoT Static)



Terminal Wealth Distribution

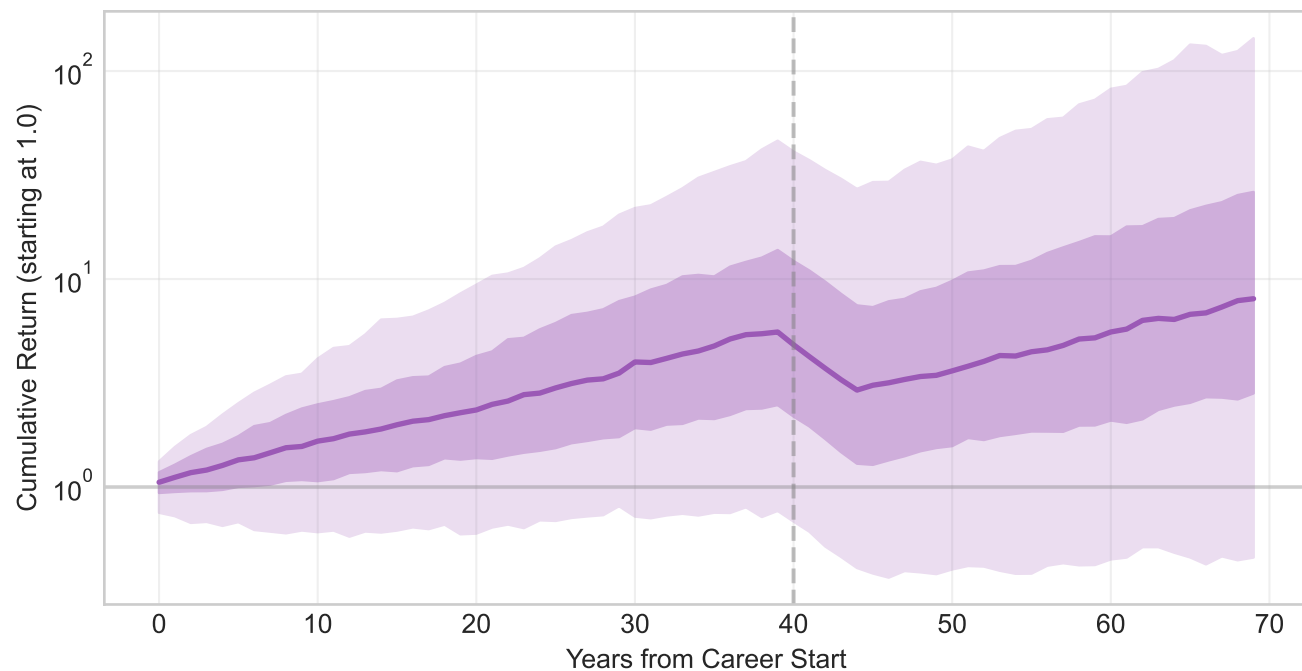


PV Consumption (Realized Rates)

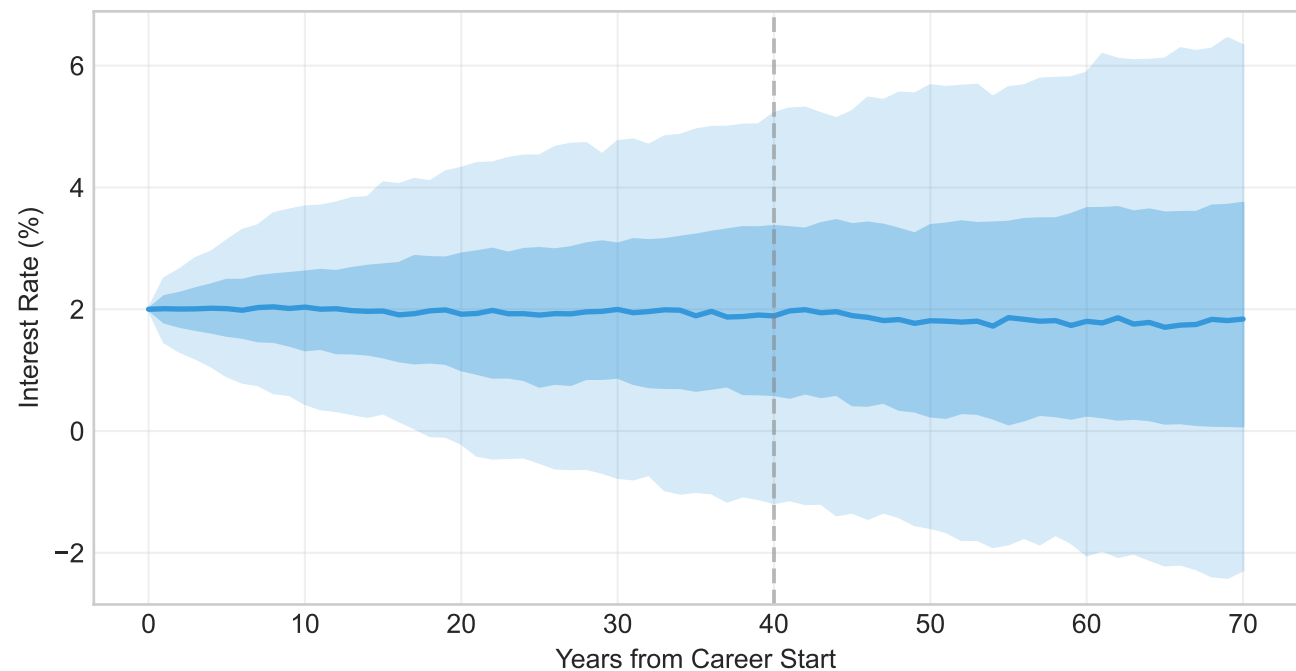


Sequence-of>Returns Risk ( $\beta=0$ , Bond-like HC)  
Bad stock returns (~-12%/yr) in first 5 years of retirement

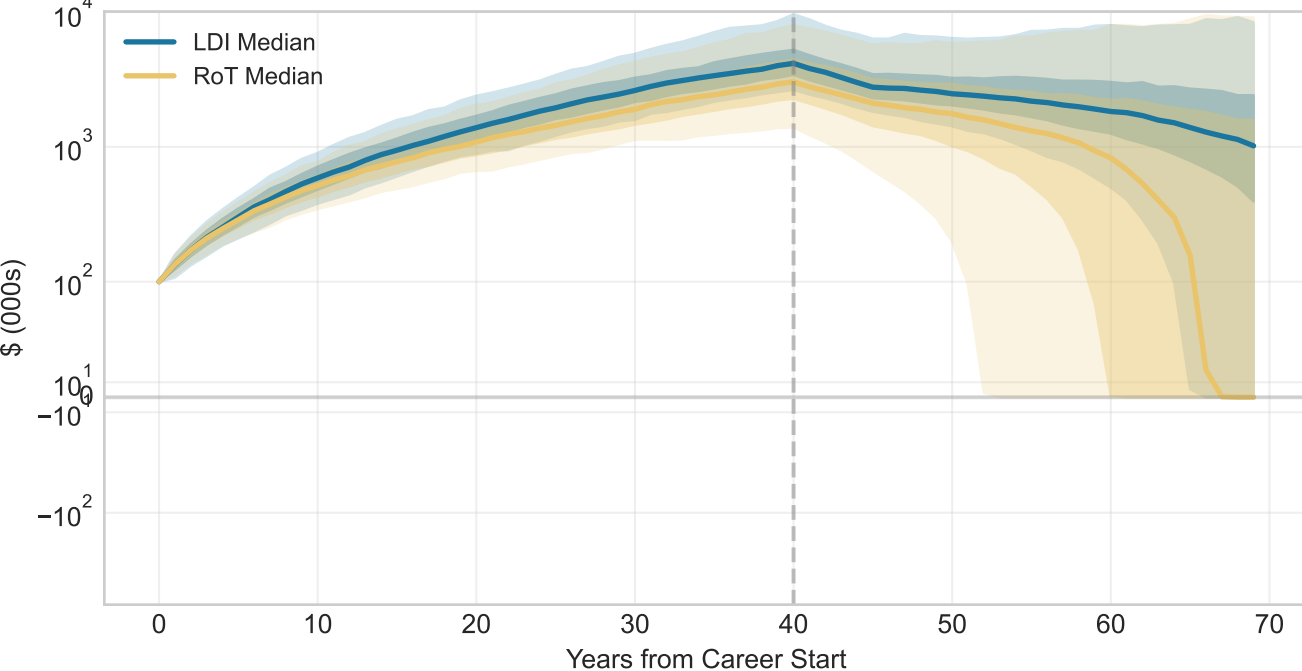
Cumulative Stock Market Returns



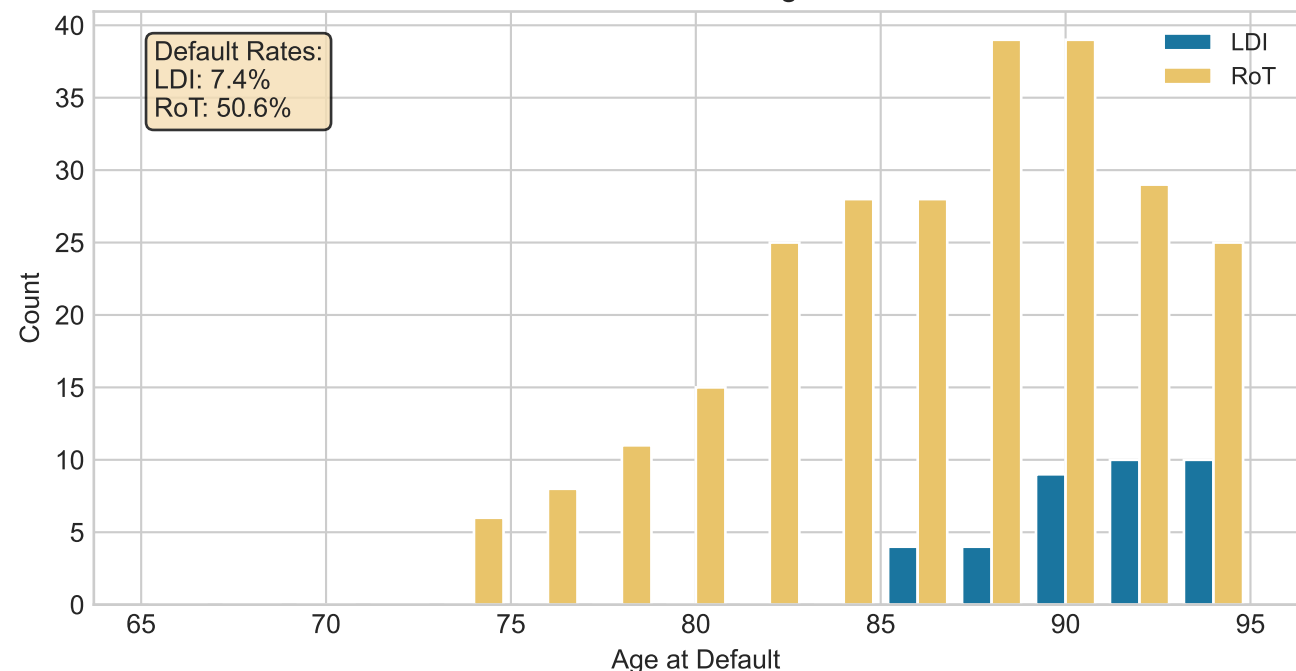
Interest Rate Paths



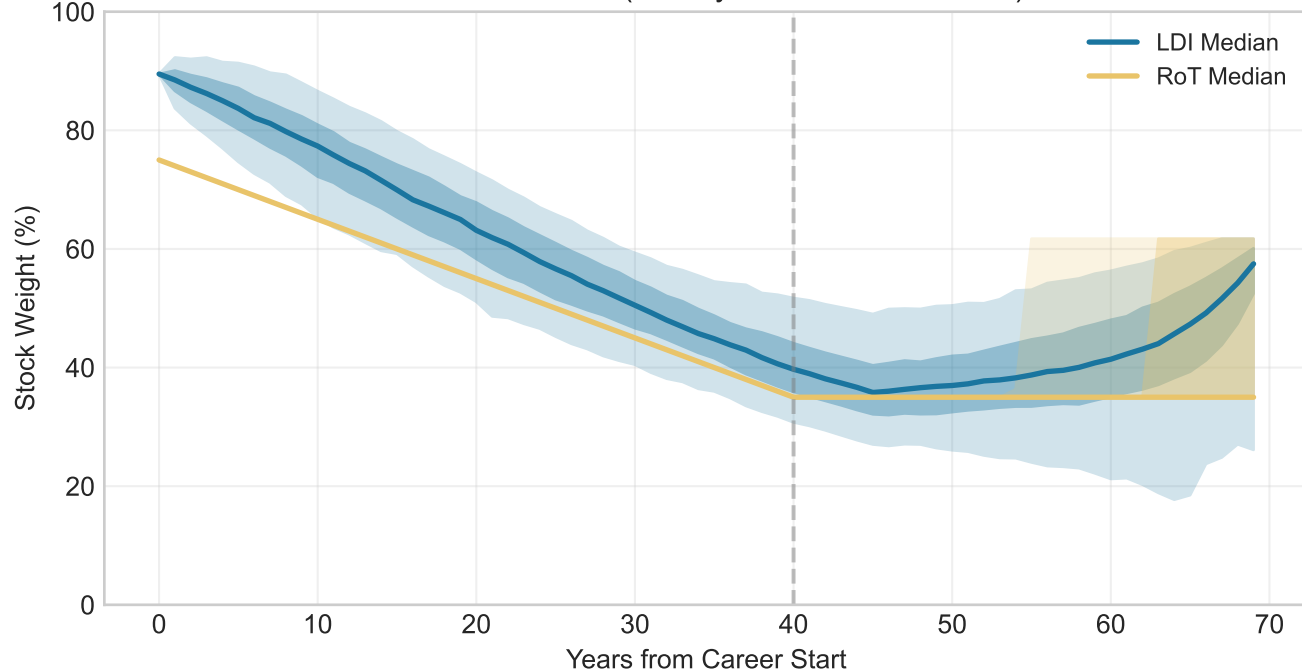
Financial Wealth



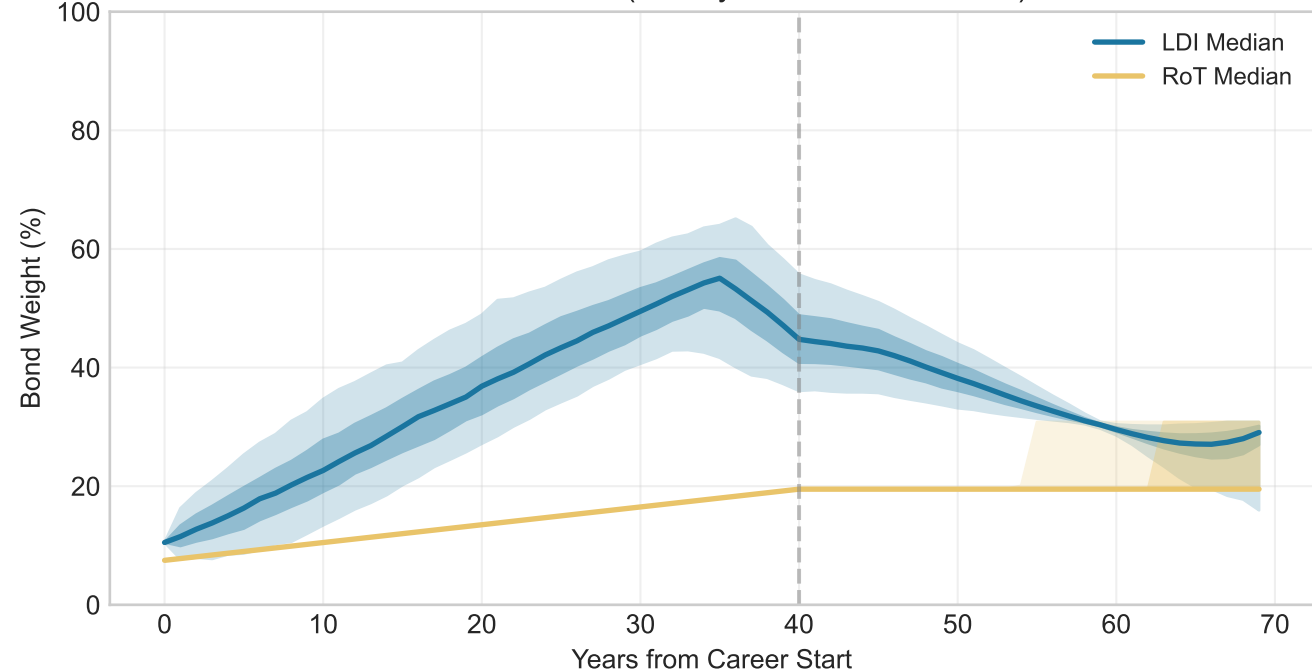
Default Timing



Stock Allocation (LDI Dynamic vs RoT Static)



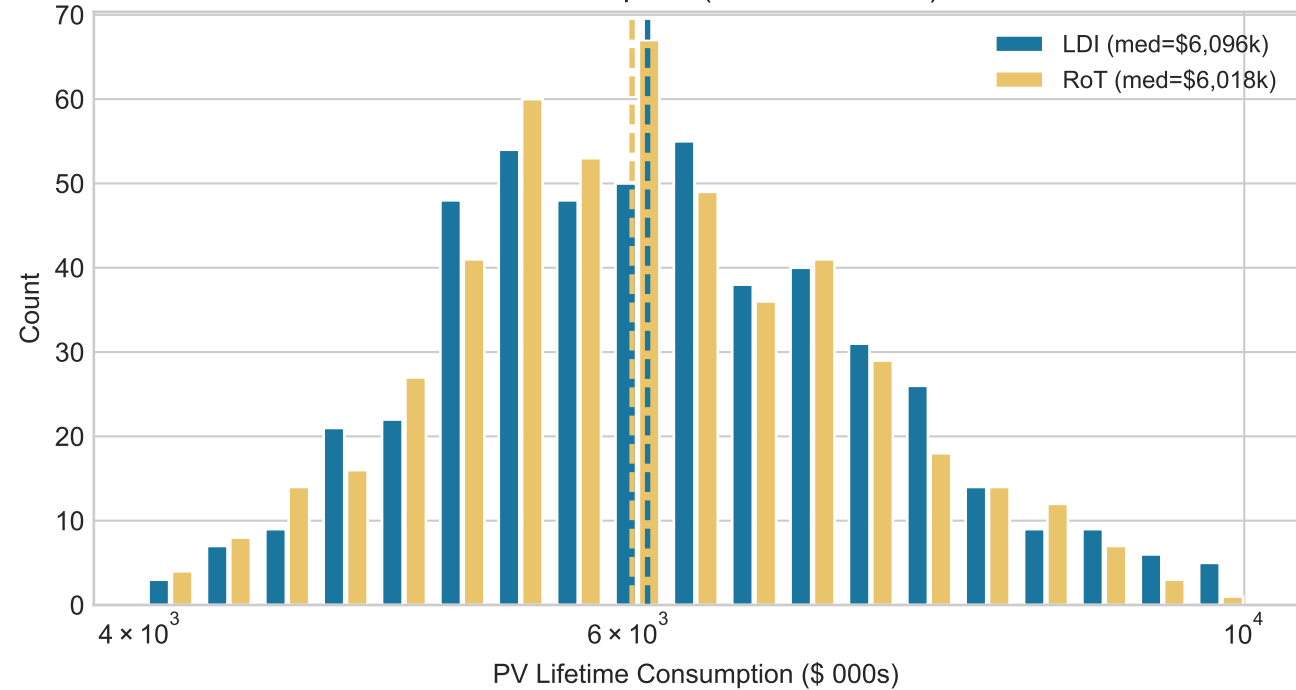
Bond Allocation (LDI Dynamic vs RoT Static)



Terminal Wealth Distribution

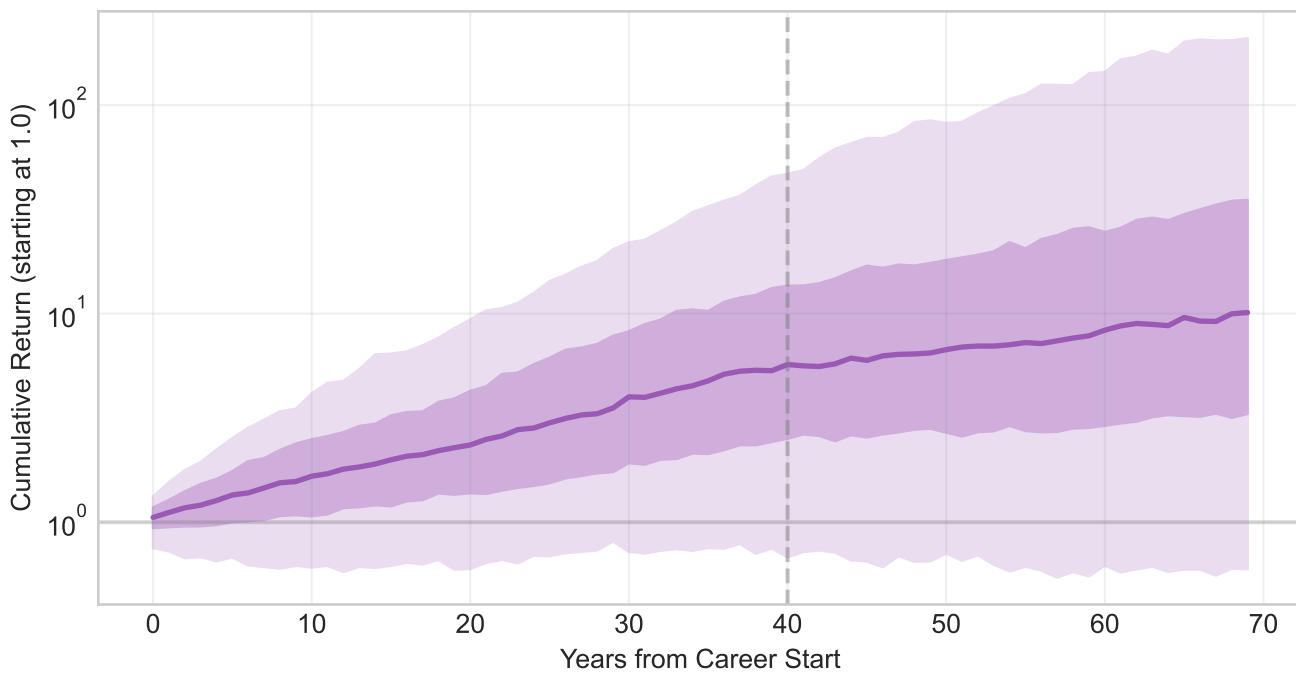


PV Consumption (Realized Rates)

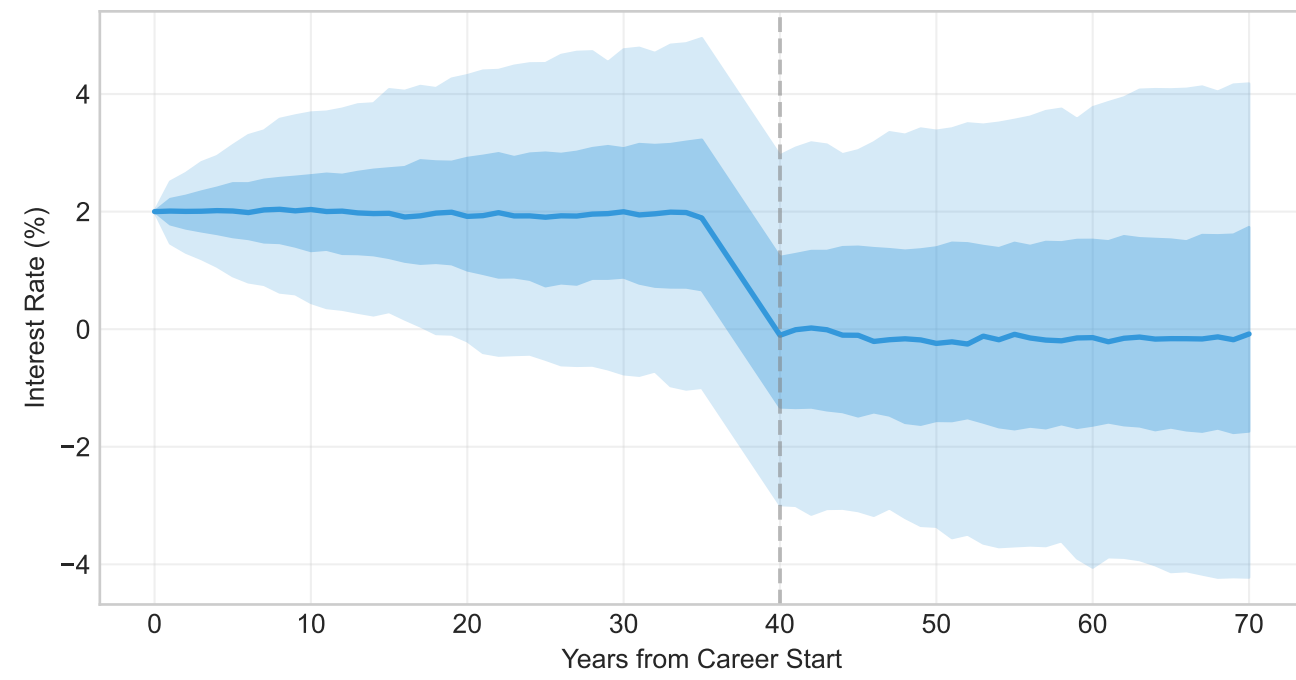


Pre-Retirement Rate Shock ( $\beta=0$ , Bond-like HC)  
Interest rate drop (~4% cumulative) in 5 years before retirement

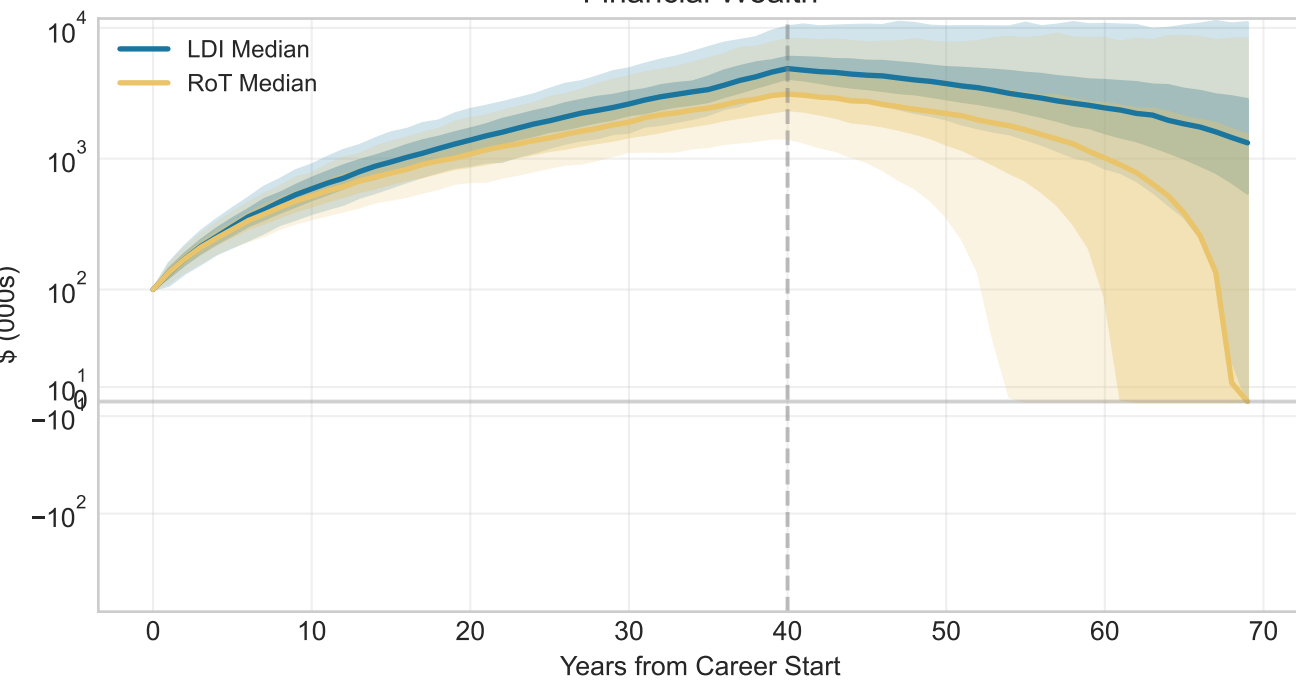
Cumulative Stock Market Returns



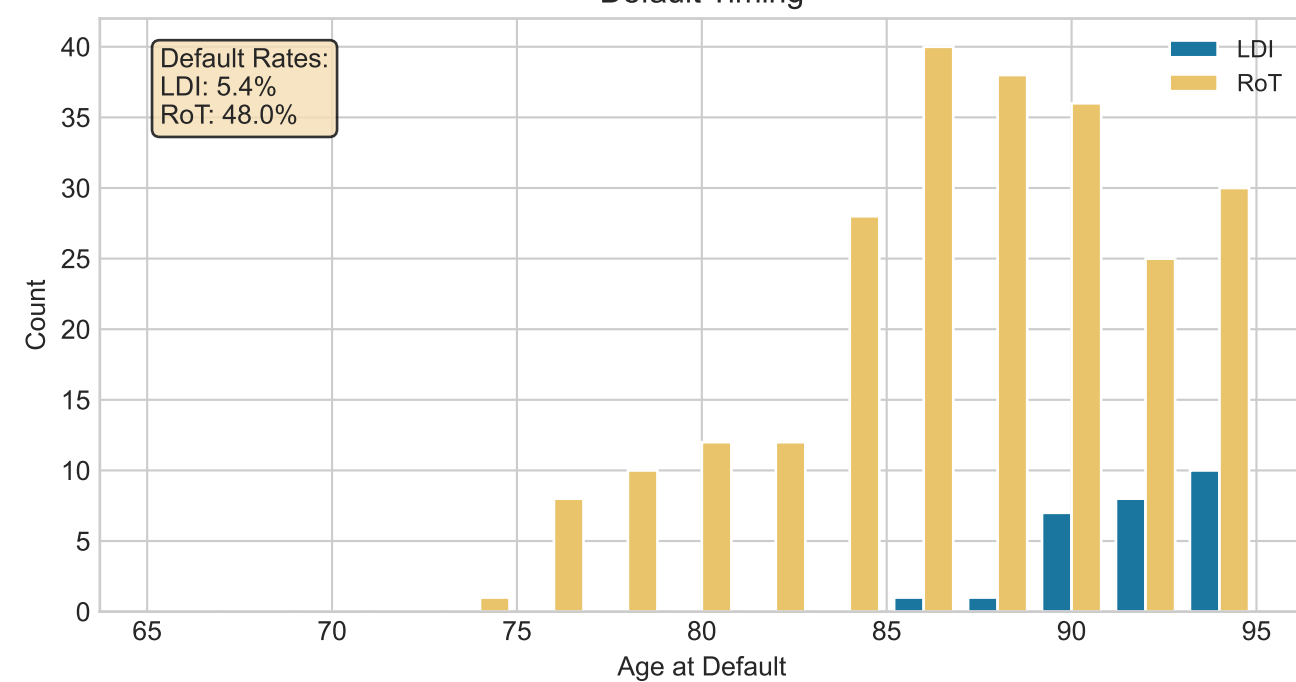
Interest Rate Paths



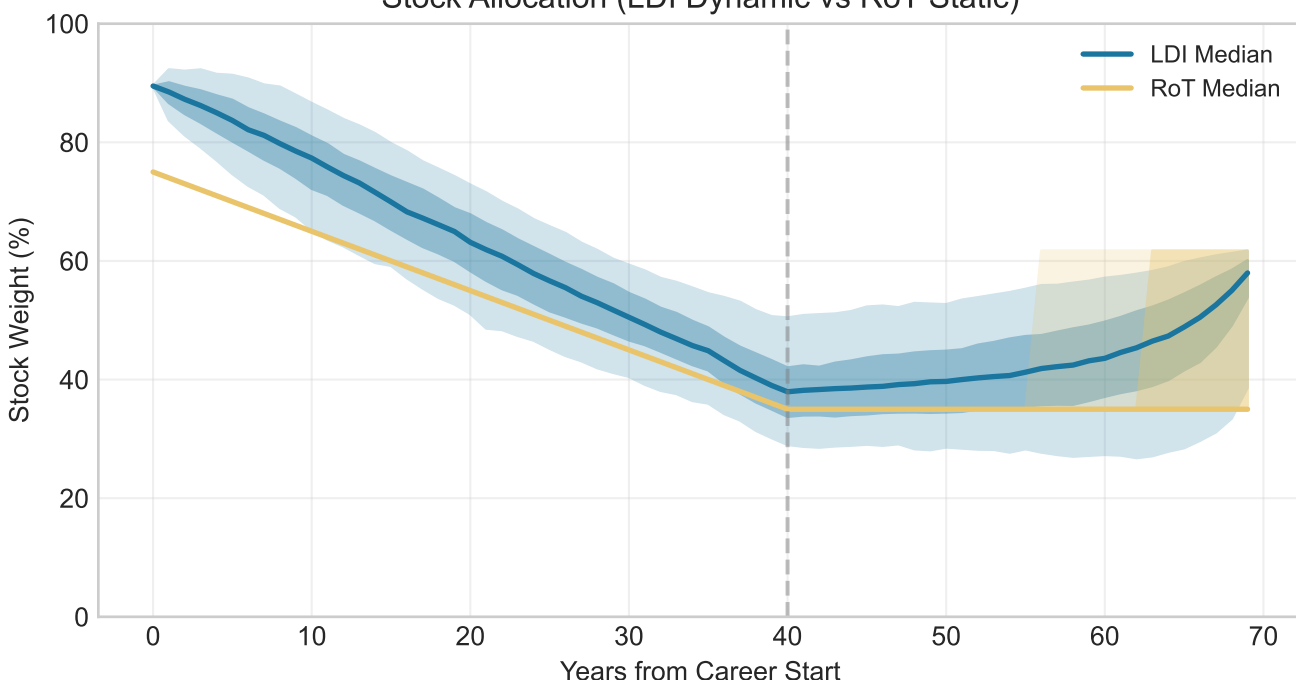
Financial Wealth



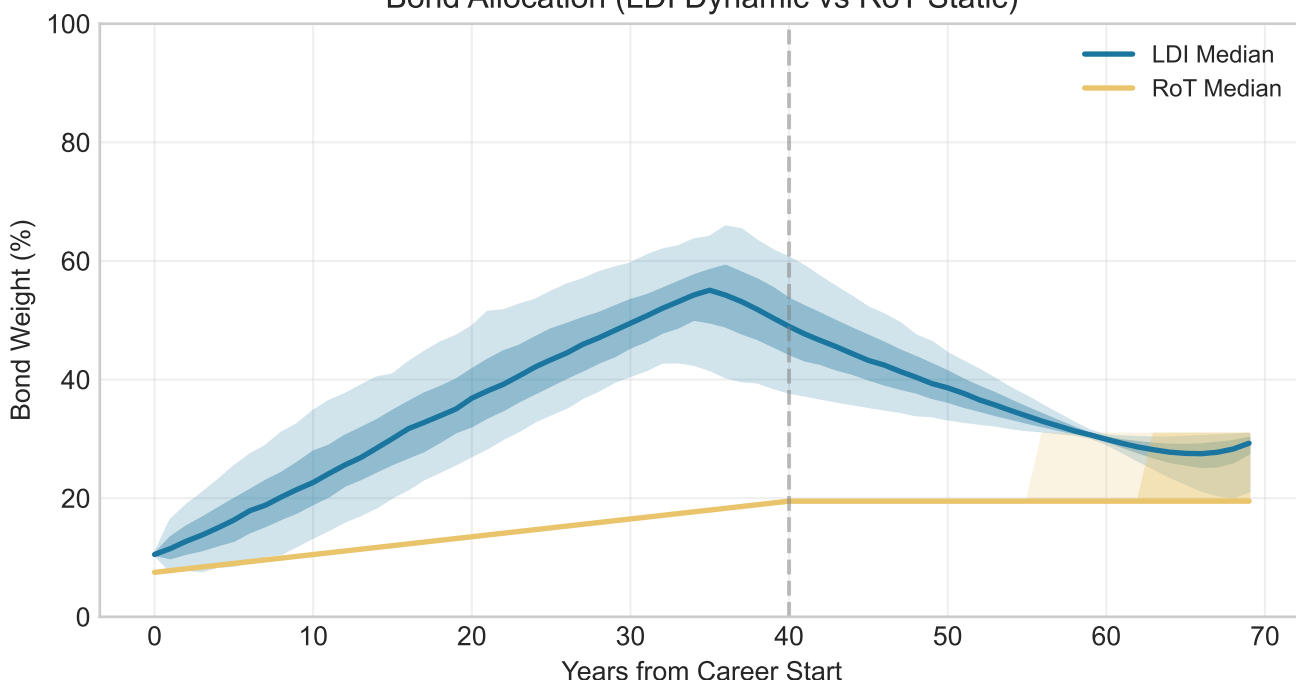
Default Timing



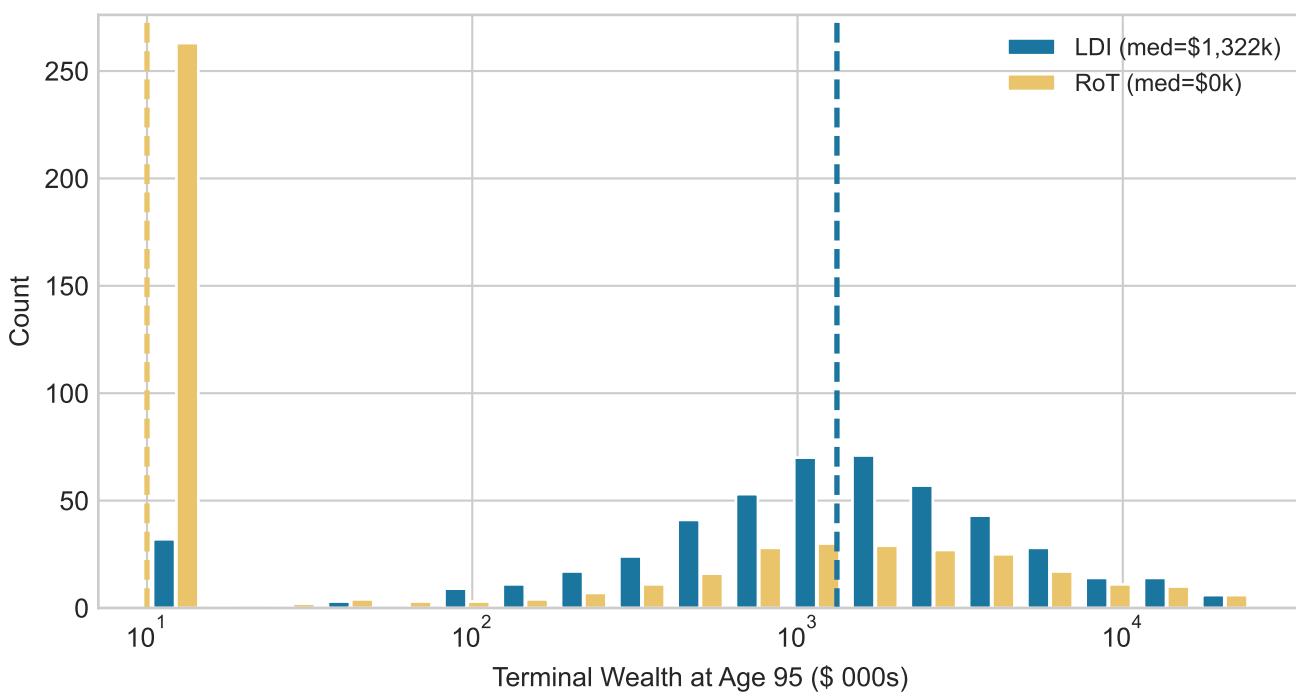
Stock Allocation (LDI Dynamic vs RoT Static)



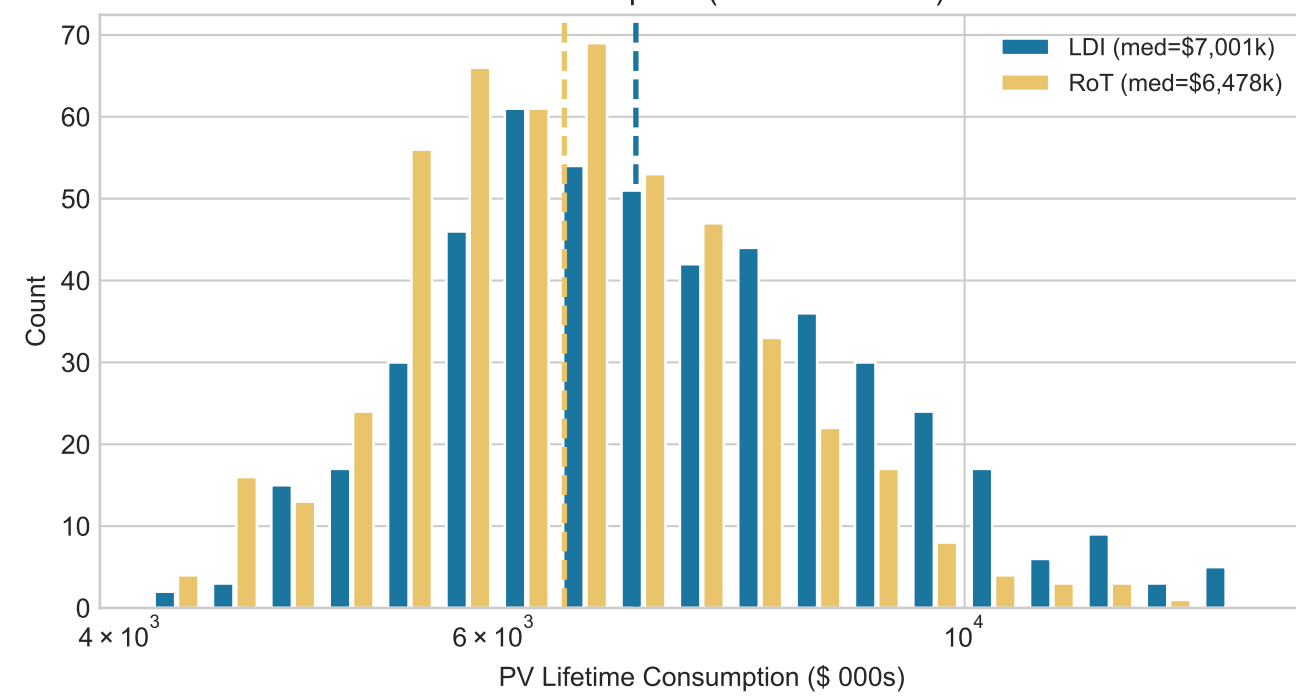
Bond Allocation (LDI Dynamic vs RoT Static)



Terminal Wealth Distribution

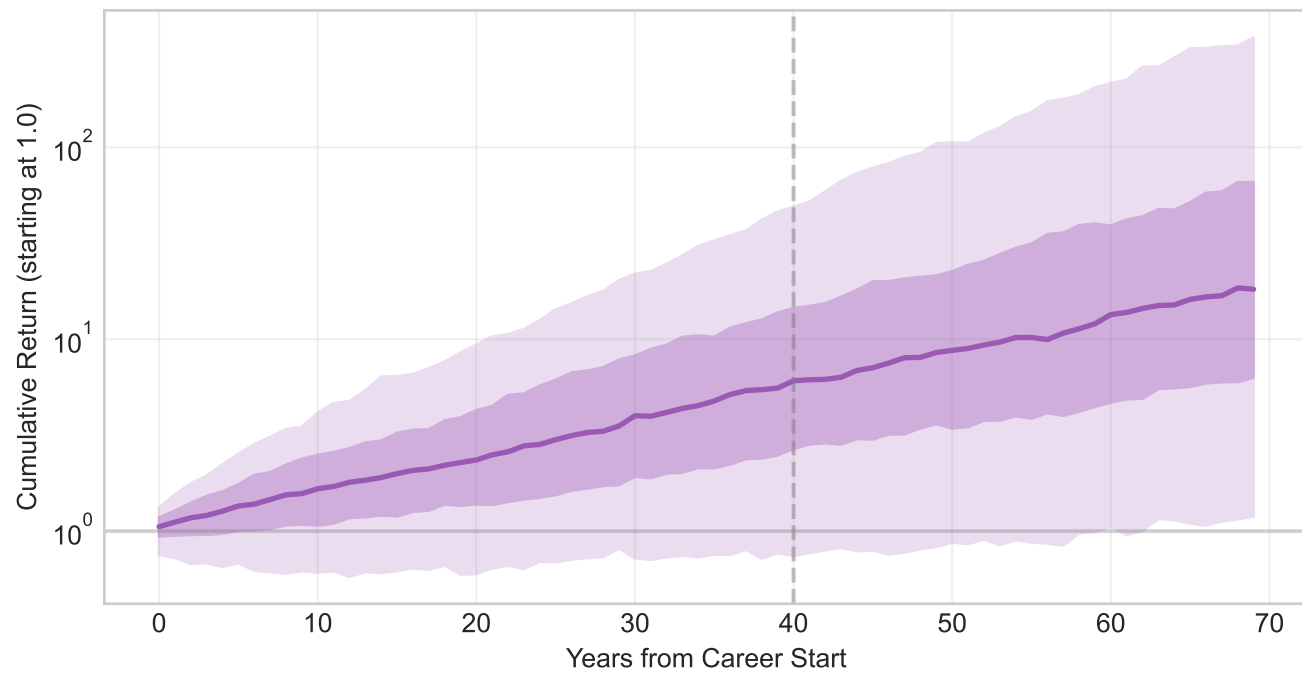


PV Consumption (Realized Rates)

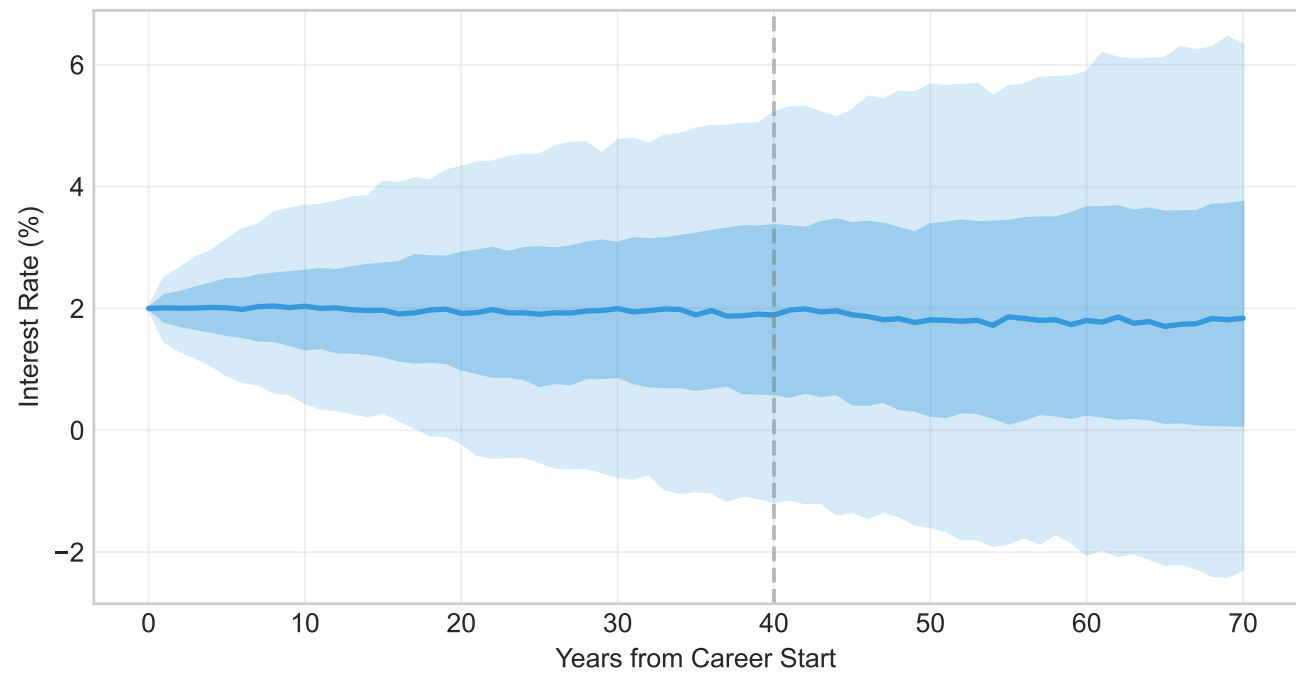


Baseline: Normal Monte Carlo ( $\beta=0.4$ )  
Standard random shocks - no scenario manipulation

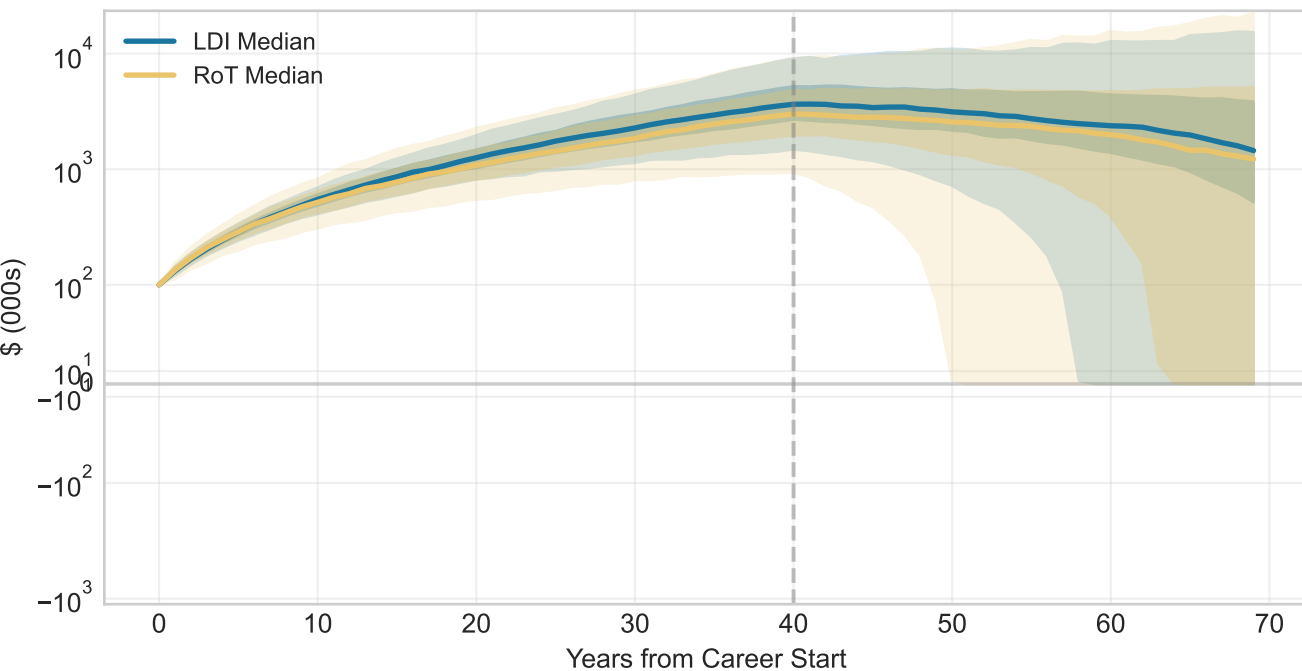
Cumulative Stock Market Returns



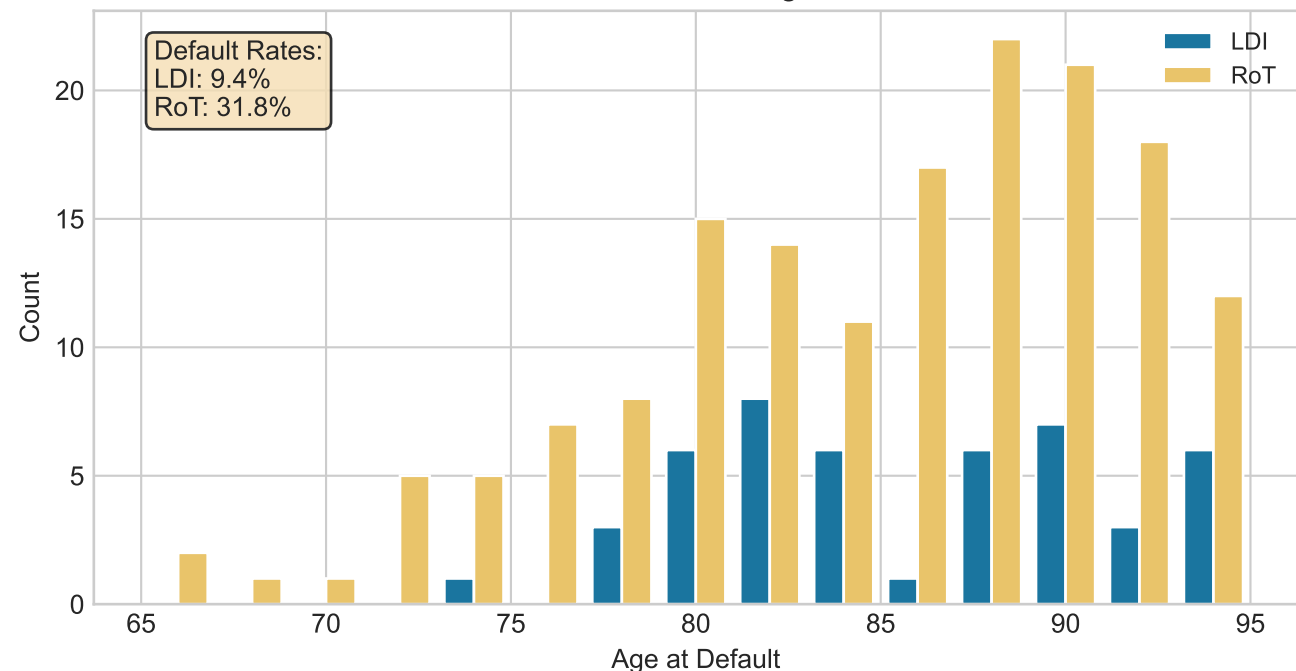
Interest Rate Paths



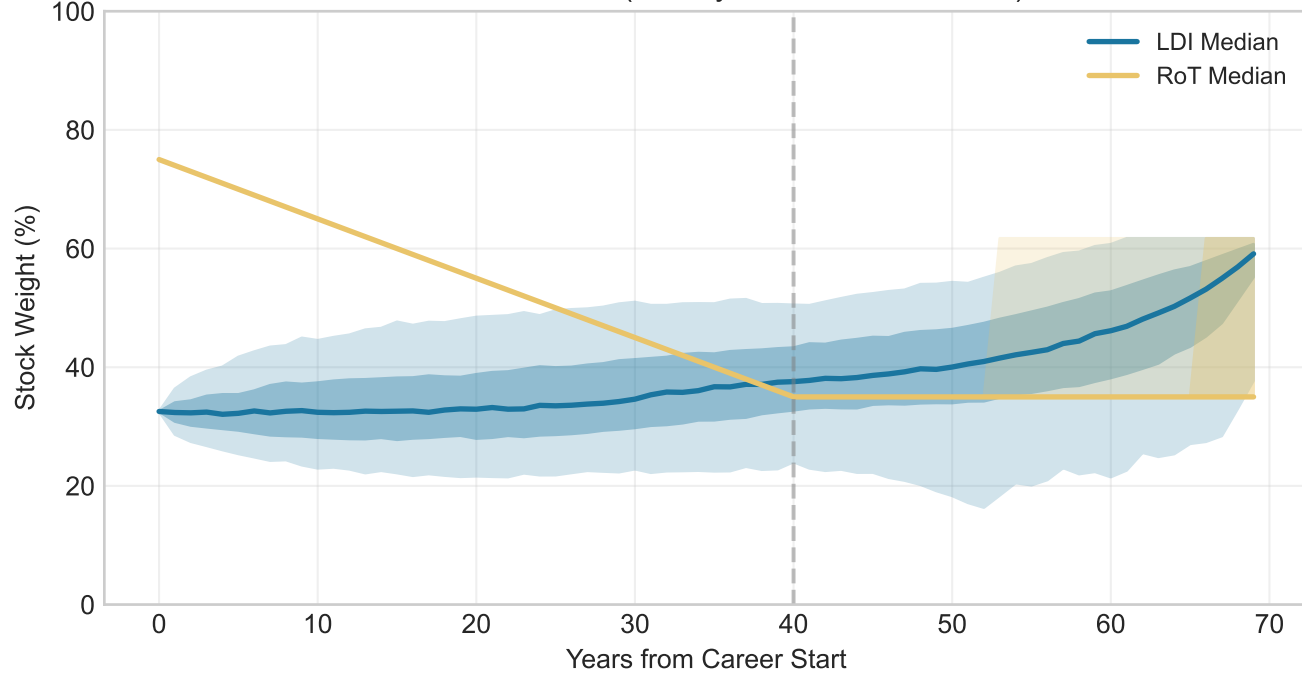
Financial Wealth



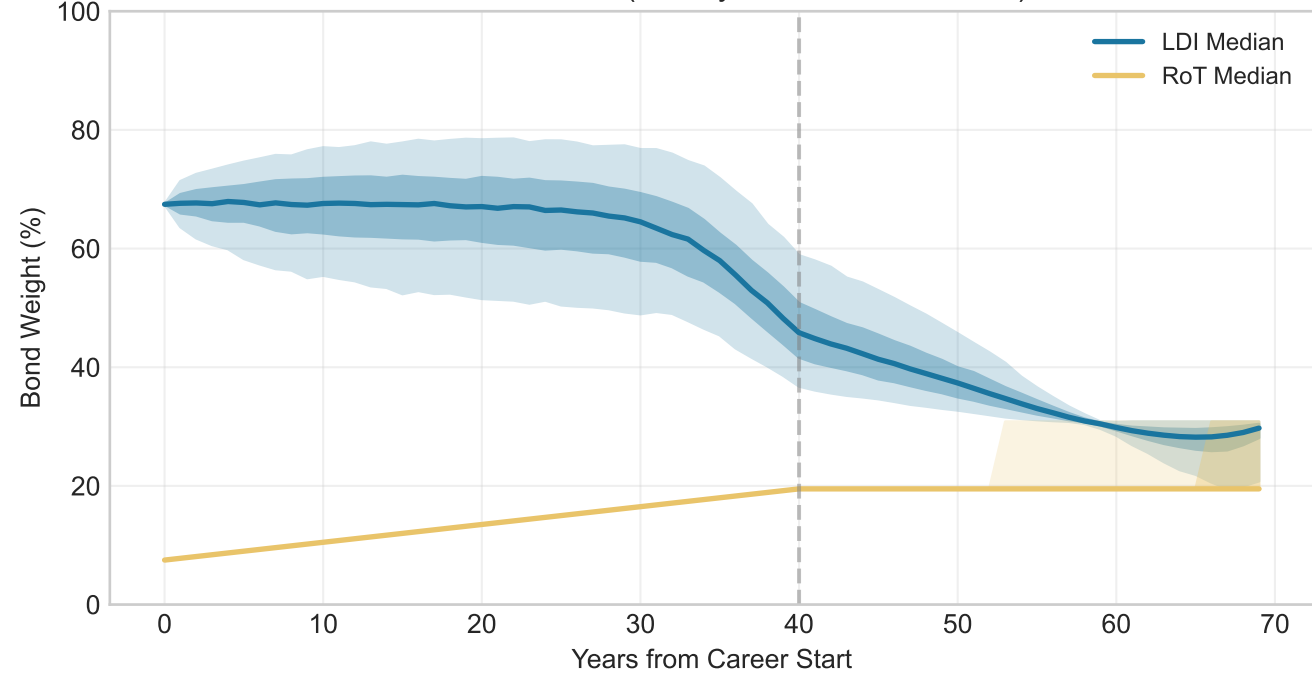
Default Timing



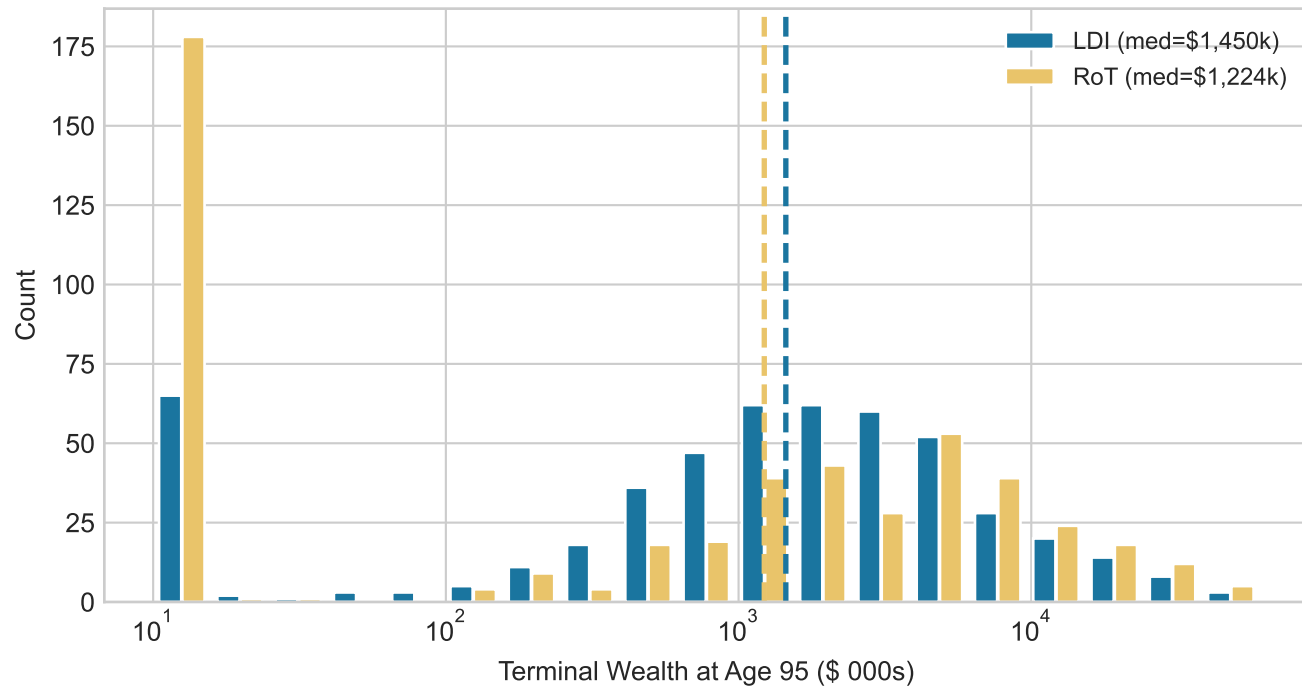
Stock Allocation (LDI Dynamic vs RoT Static)



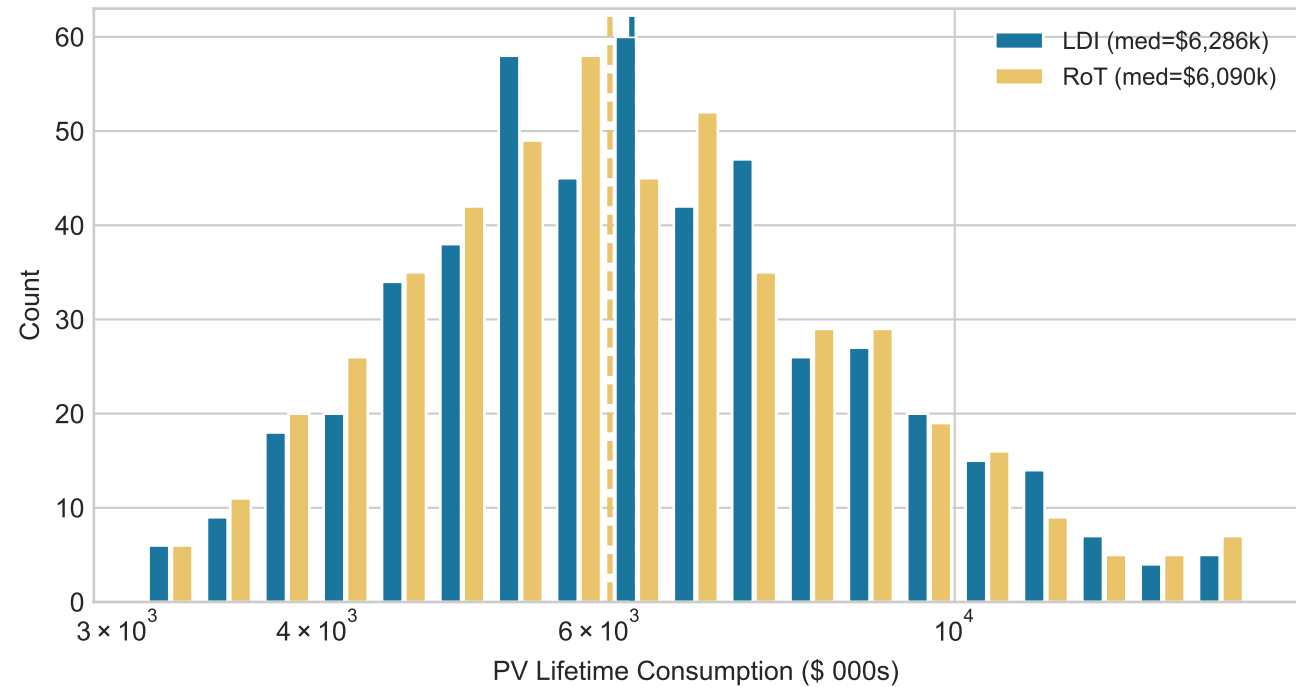
Bond Allocation (LDI Dynamic vs RoT Static)



Terminal Wealth Distribution

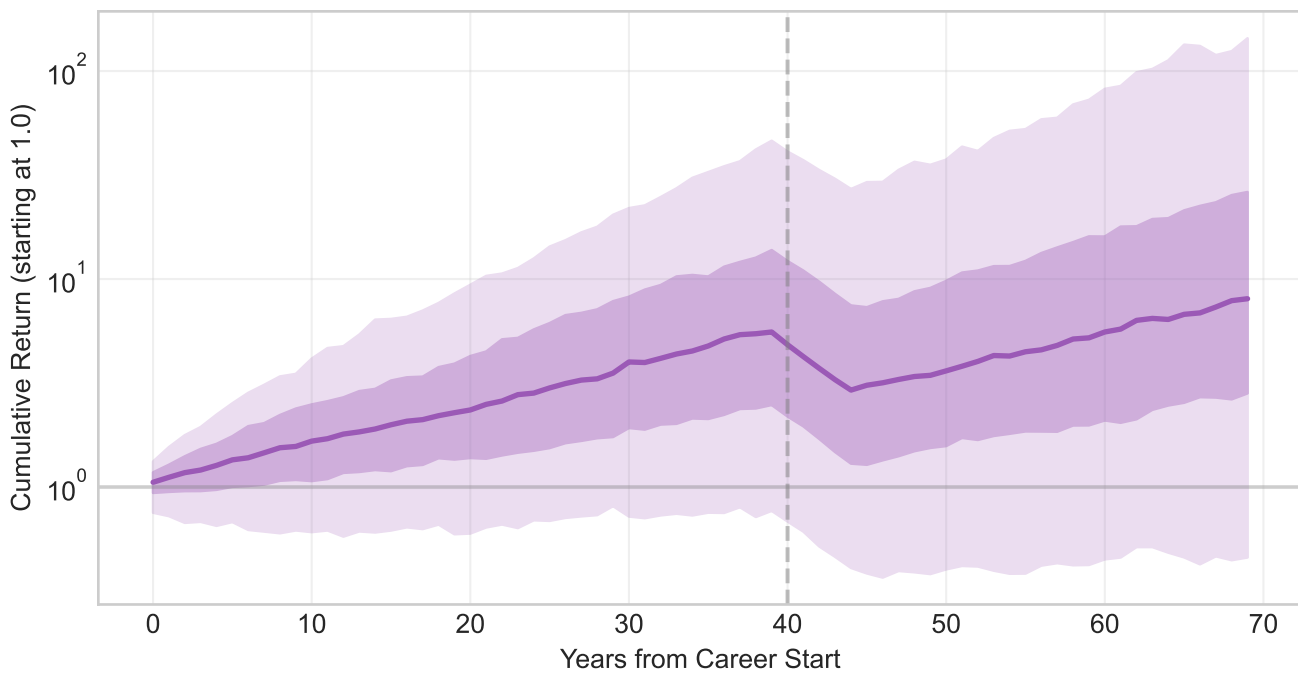


PV Consumption (Realized Rates)

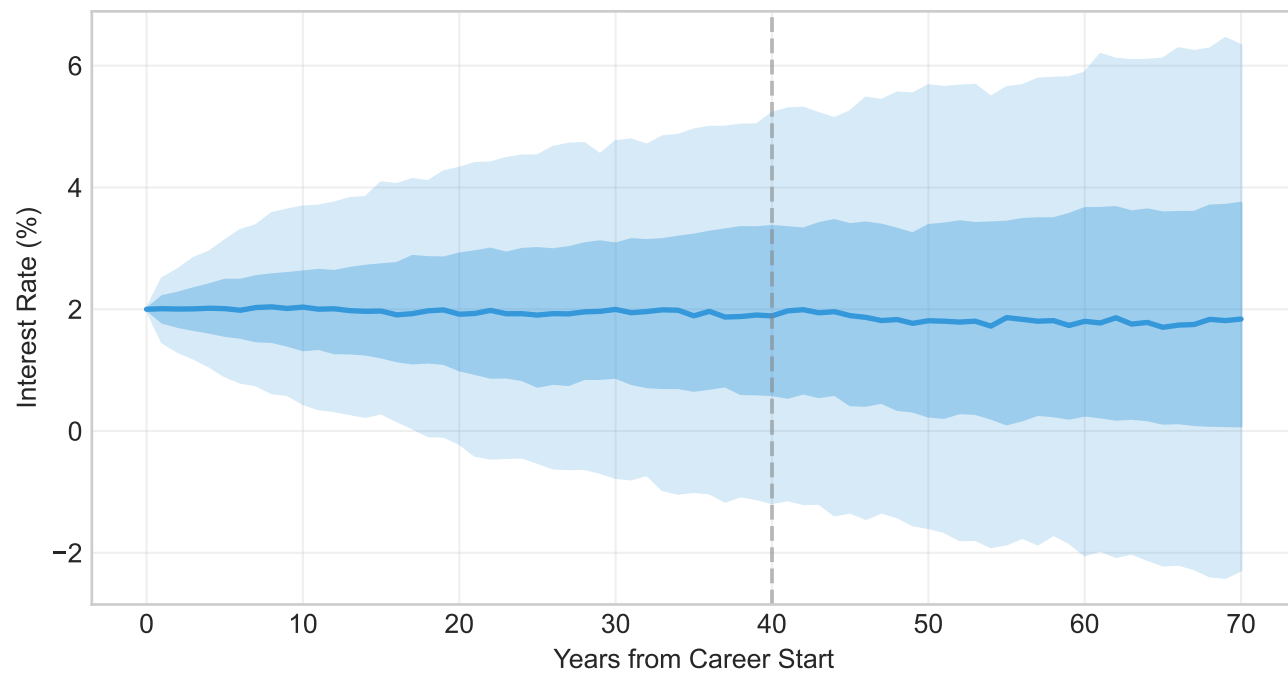


Sequence-of-Returns Risk ( $\beta=0.4$ )  
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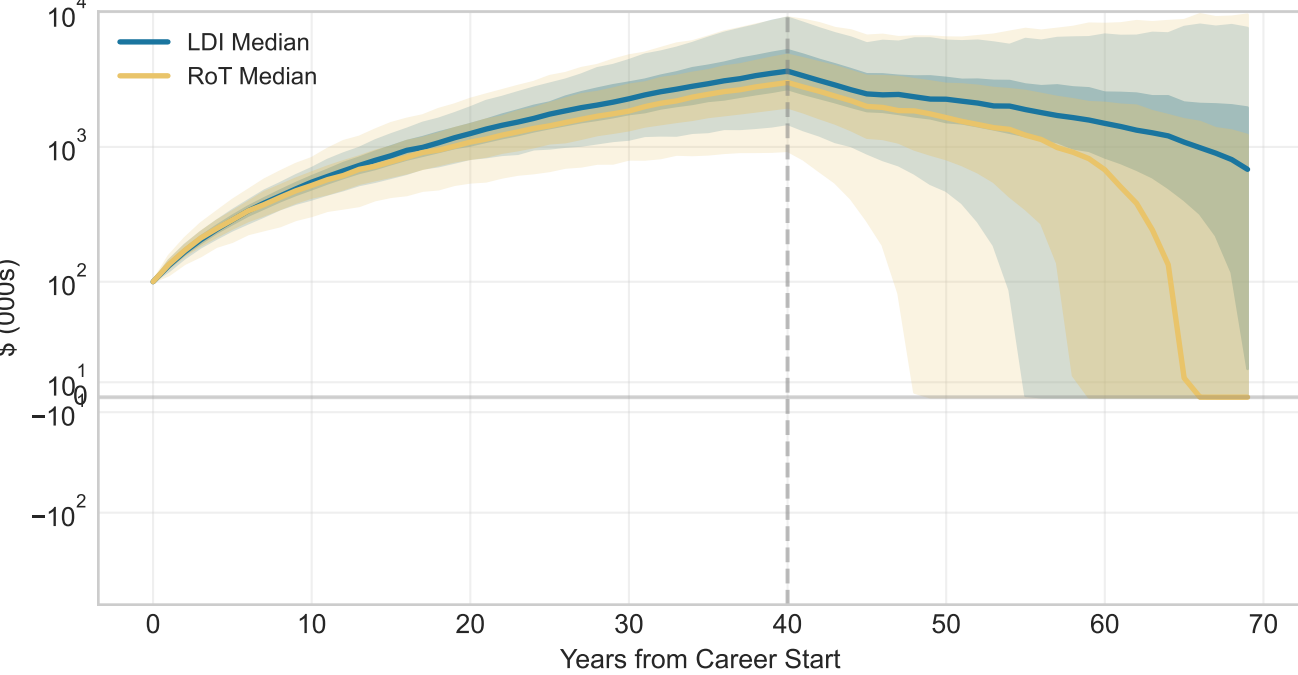
Cumulative Stock Market Returns



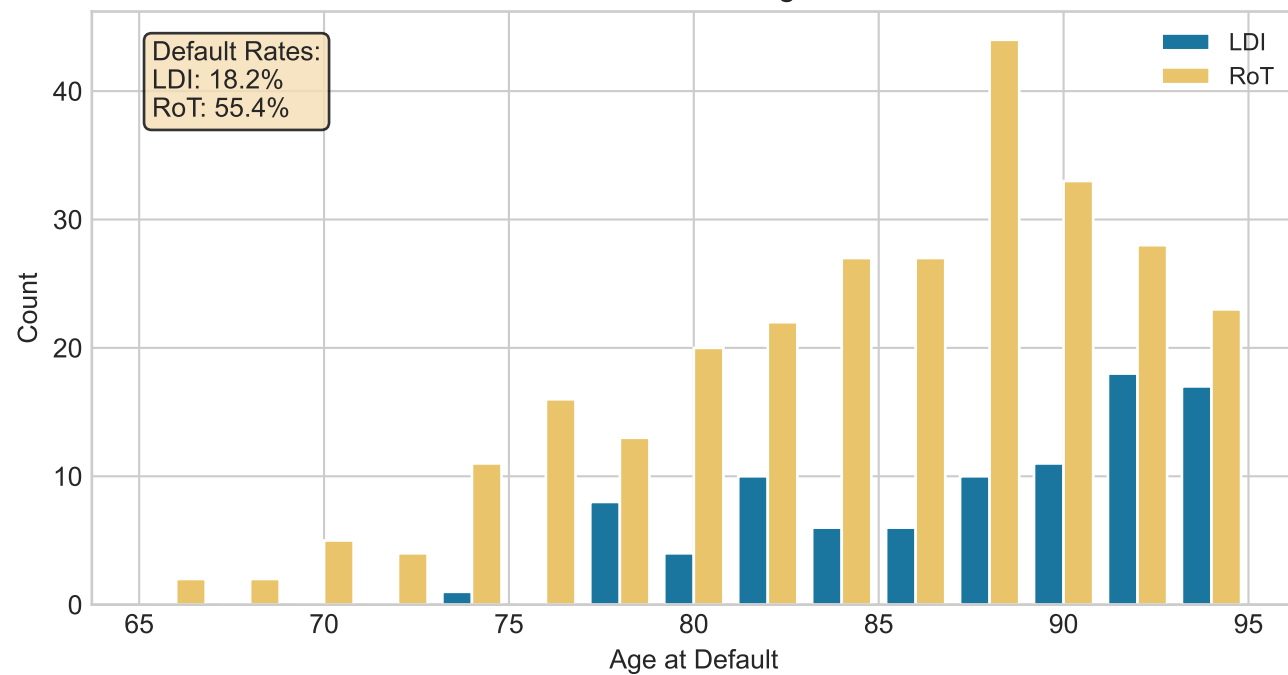
Interest Rate Paths



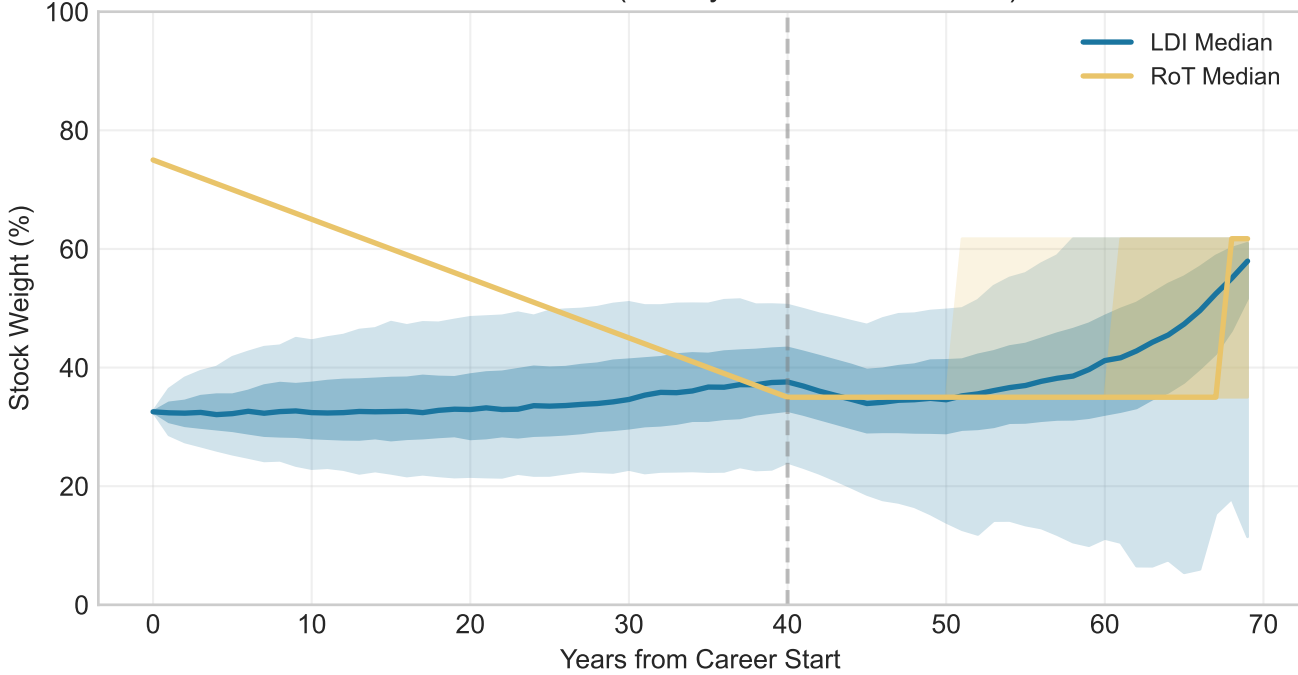
Financial Wealth



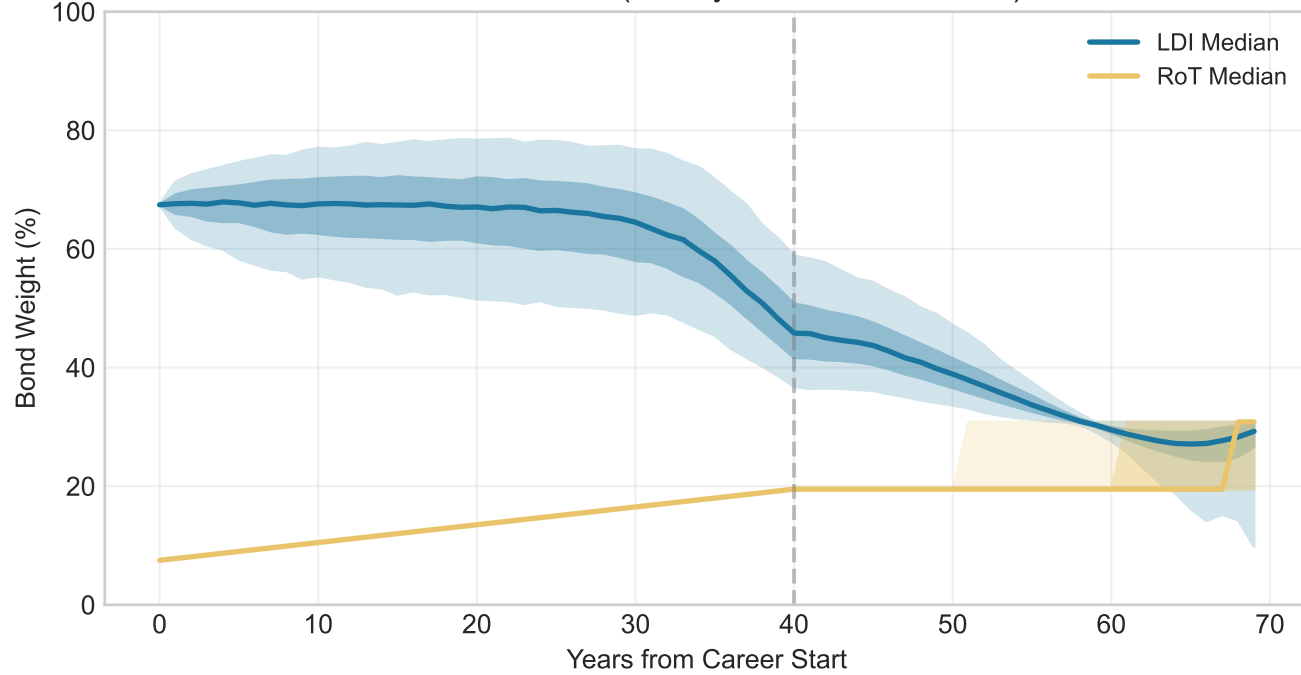
Default Timing



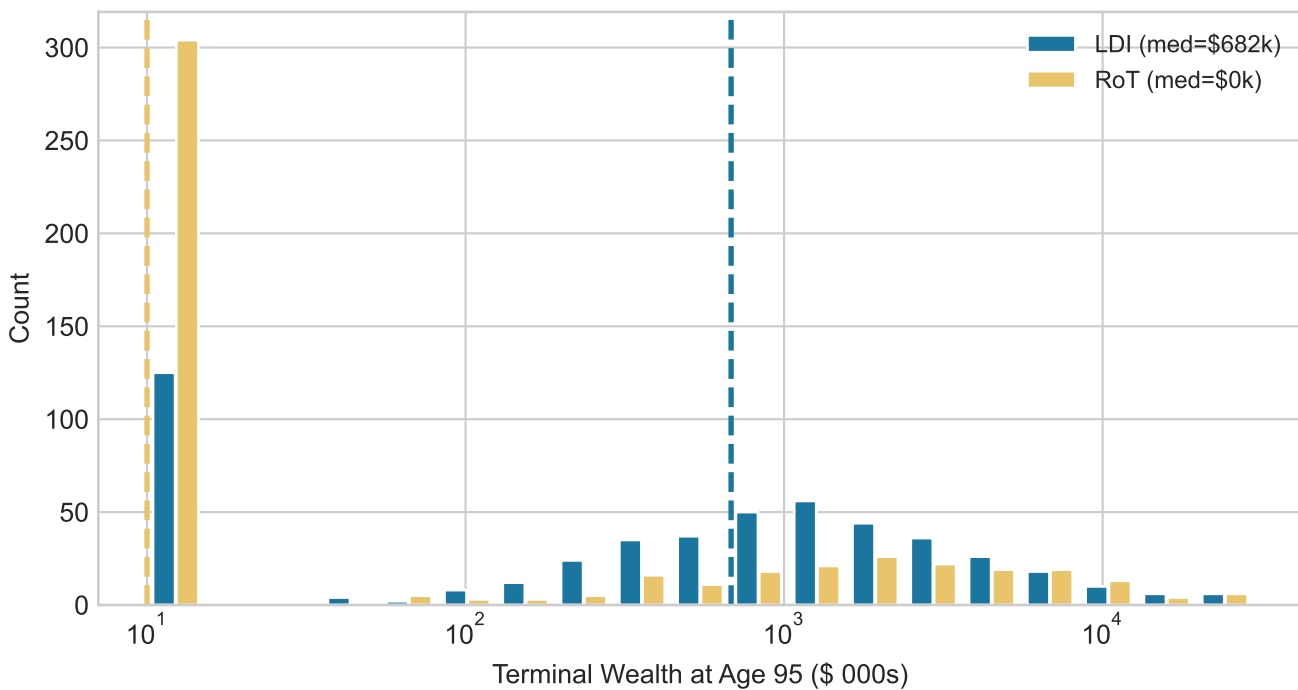
Stock Allocation (LDI Dynamic vs RoT Static)



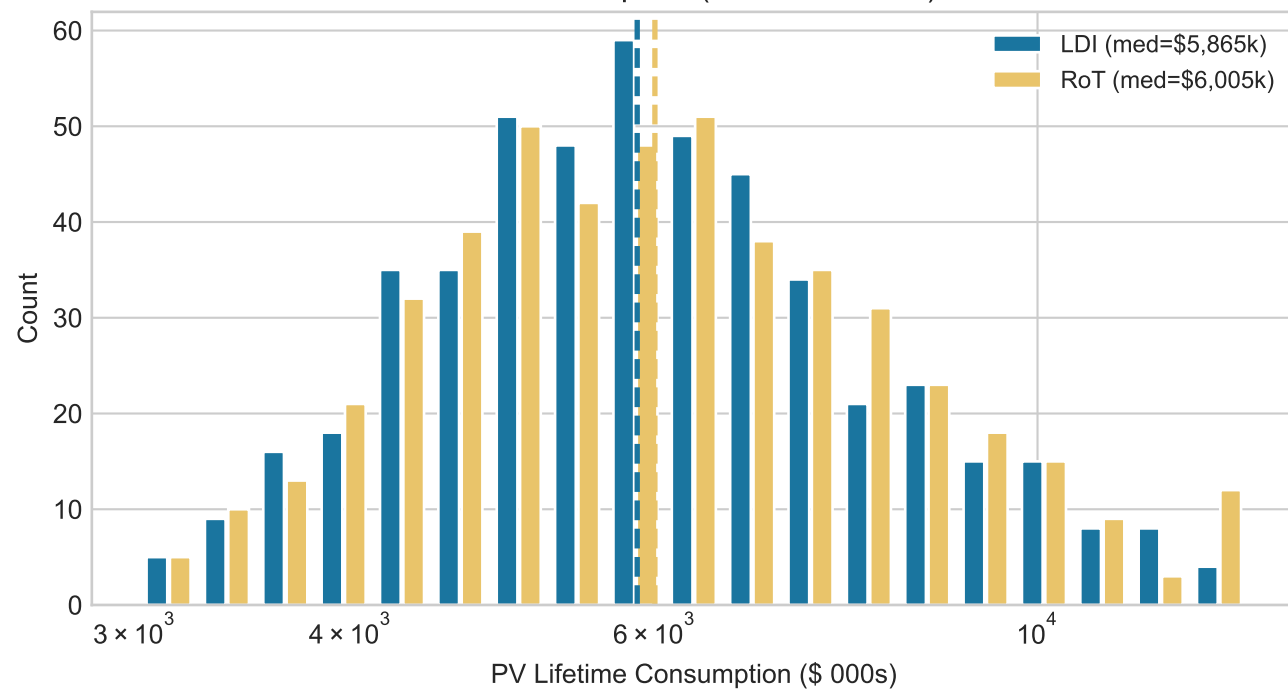
Bond Allocation (LDI Dynamic vs RoT Static)



Terminal Wealth Distribution

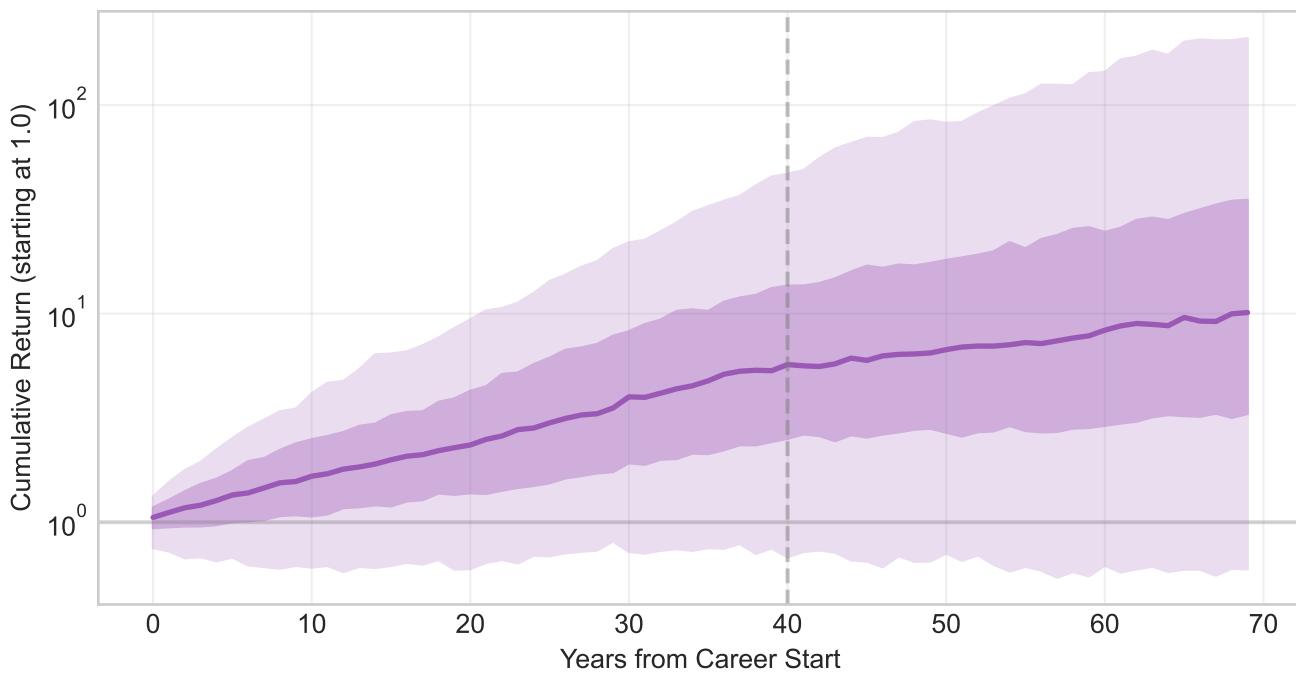


PV Consumption (Realized Rates)

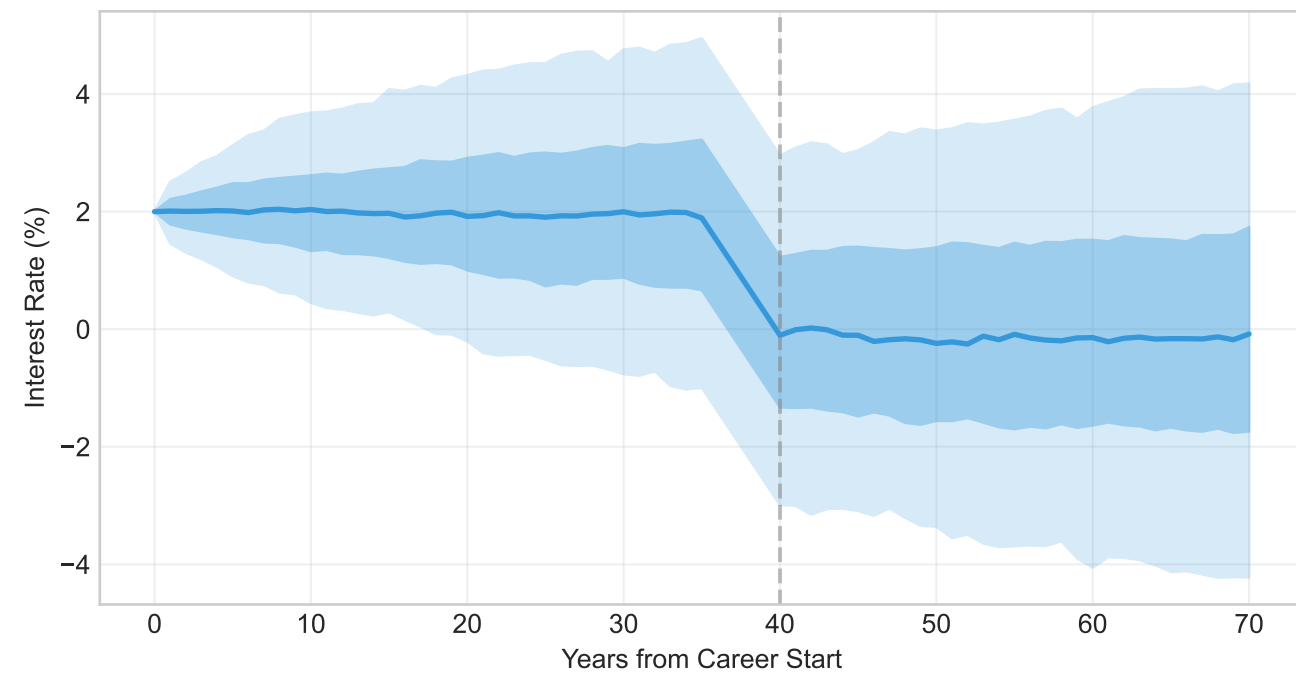


Pre-Retirement Rate Shock ( $\beta=0.4$ )  
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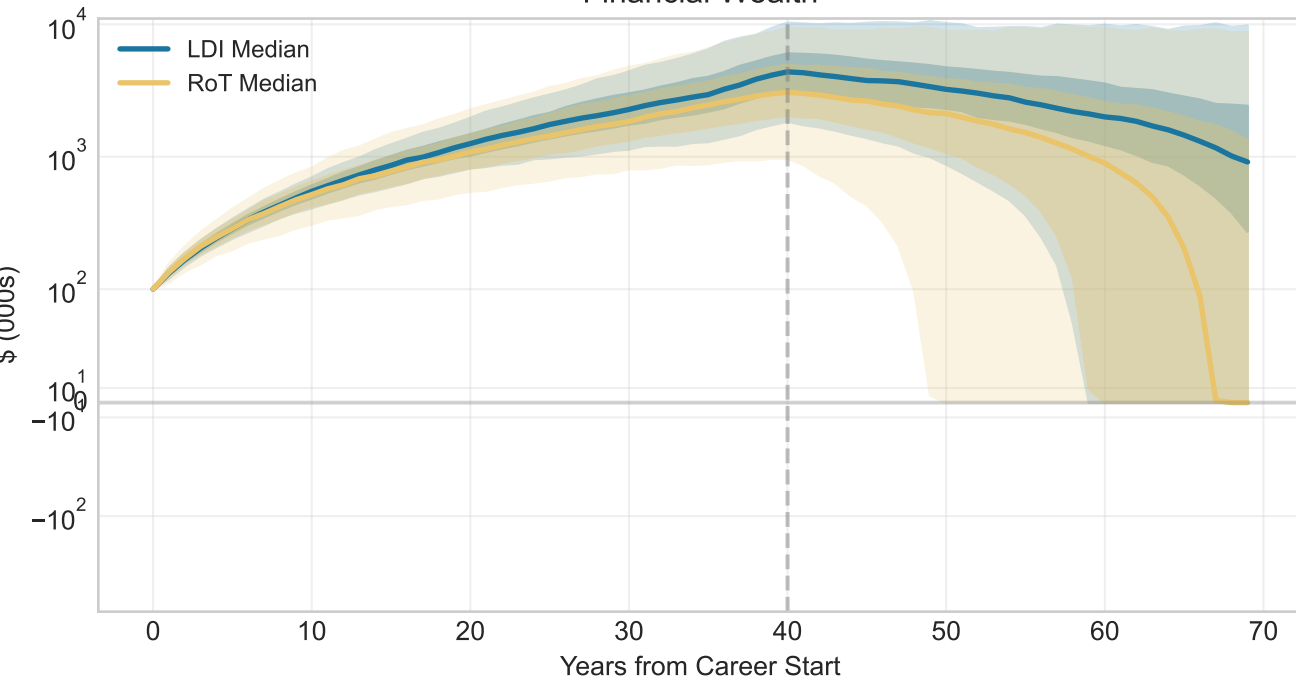
Cumulative Stock Market Returns



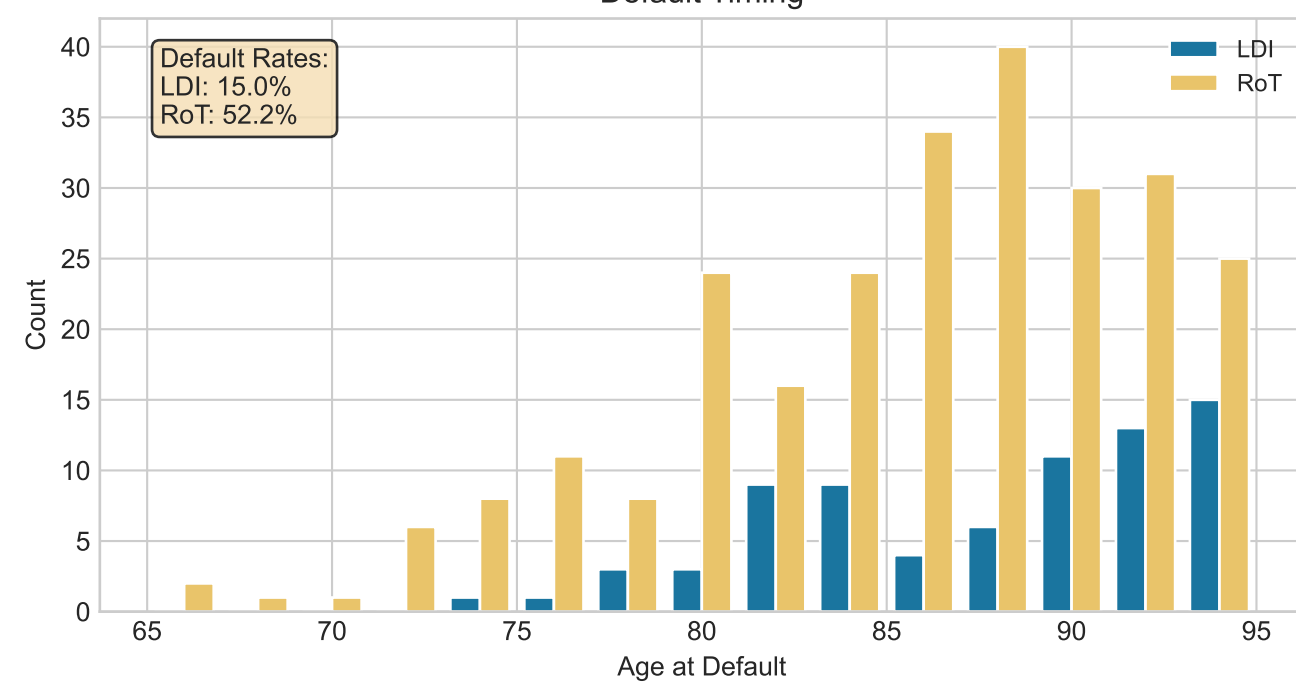
Interest Rate Paths



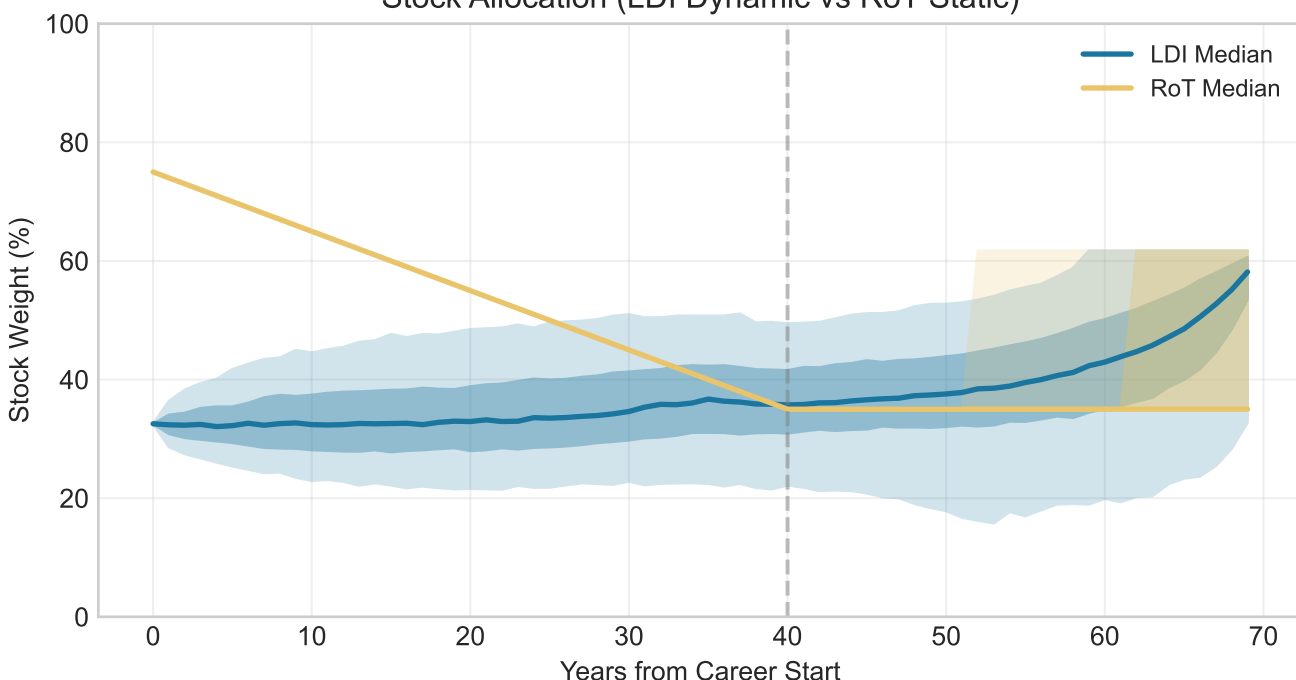
Financial Wealth



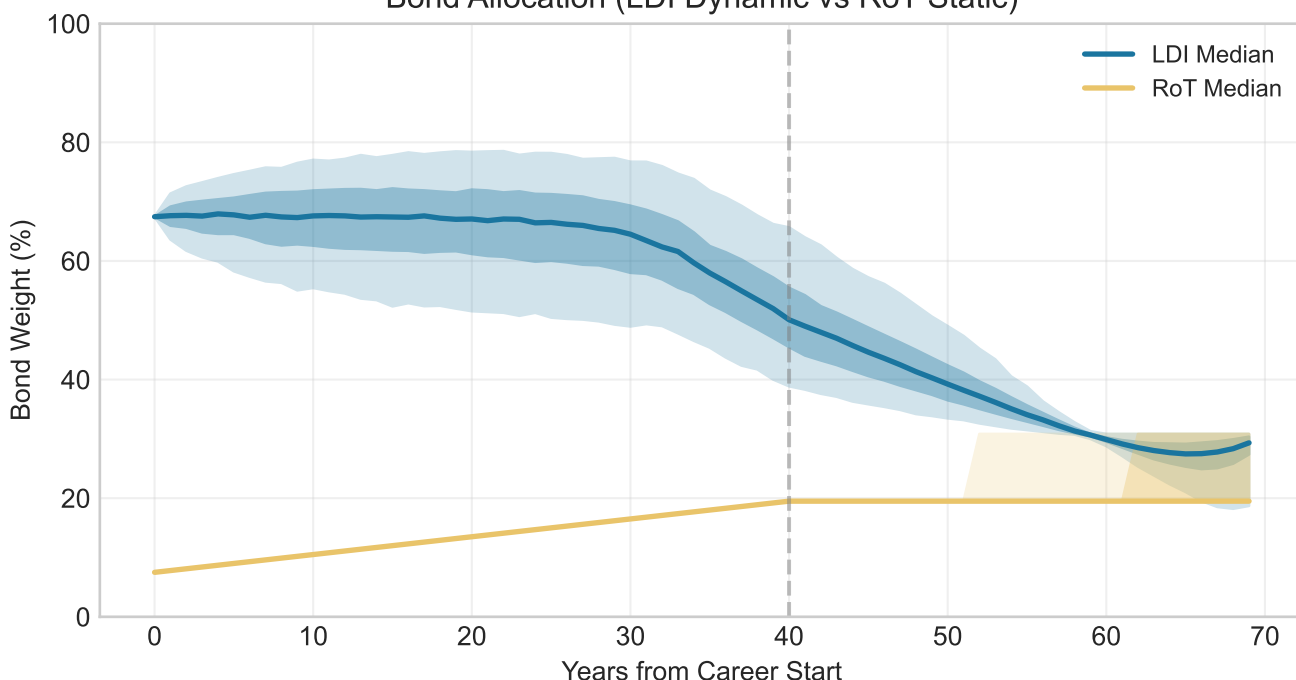
Default Timing



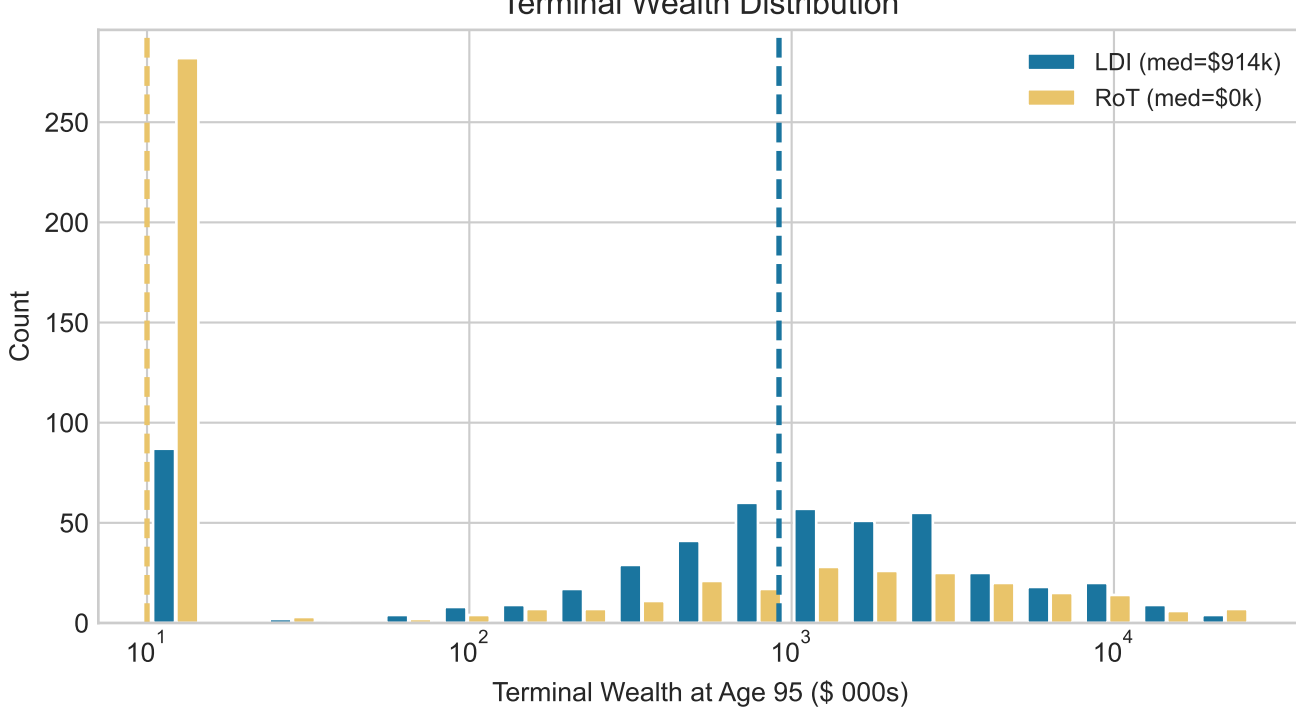
Stock Allocation (LDI Dynamic vs RoT Static)



Bond Allocation (LDI Dynamic vs RoT Static)



Terminal Wealth Distribution



PV Consumption (Realized Rates)

