A) Different time trend in arm 1 B) Different time trends in arms 1 and 2 Stepwise time trend Stepwise time trend 0.100 0.100 0.075 0.075 -Type I error rate Type I error rate 0.050 0.050 0.025 0.000 -0.000 -0.1 0 0.15 0.05 0.05 0.15 0.2 0.2 0.1 0.25 -0.050 0.25 -0.05 λ_1 λ_1

Analysis approach: → MAP Prior → Regression model → Separate approach → Time machine