

I used algorithm from slides: "EGM for RCE". For EGM I relied on code from PS06. (with Rouwenhorst fn) taken from Sergio.

• EGM is used to solve for policy functions G_c, G_{kp} using endogenous grid on cash on hand (V_{endo}). To solve for labor policy fn G_l , it shall be solved via numerical routine. It is assumed G_{ul} is fixed for simplification.

• Equil. involves value and policy functions. EGM works with FOCs and eliminates the use of optimisation techniques. EGM relies on interpolation to map the optimal decisions from endogenous grid back into exogenous grid.

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Implied values today

Given optimal decisions about states tomorrow, taken from exog. grid

This grid changes with every iteration

• Interpolation translates policy functions back to exogenous grid.