**Learning timeline**

**Week 1 and 2**

- Normalisation of a problem in the BFS model with CRRA utility and multiplicative transition equation of the permanent income

- Markov operator, density kernel, multiplicative law of motion

- Persistent vs permanent income shocks in buffer stock savings (Druedahl, Jorgensen 2016)

- Aggregating heterogeneous agent models with permanent income shocks (Harmenberg, 2021)

- computing Euler equation with dynamic programming, lagrangian static, value function iterated (base and howard improved), Time iterated (base, improved, endogeneous grid points)

- seminars: Basile Grassi about markup, Julia Cage about politically driven donations,

- Julia: Setting up github, building a function, fields, broadcast, data type

- Dolo, dolark, hark, theoretical foundations of buffer stock savings

- log-normal shock, say mean 1, can take value -1, but then you take exponential, and thus it is never negative but between 0 and 1.