

GeneEvolve Practical

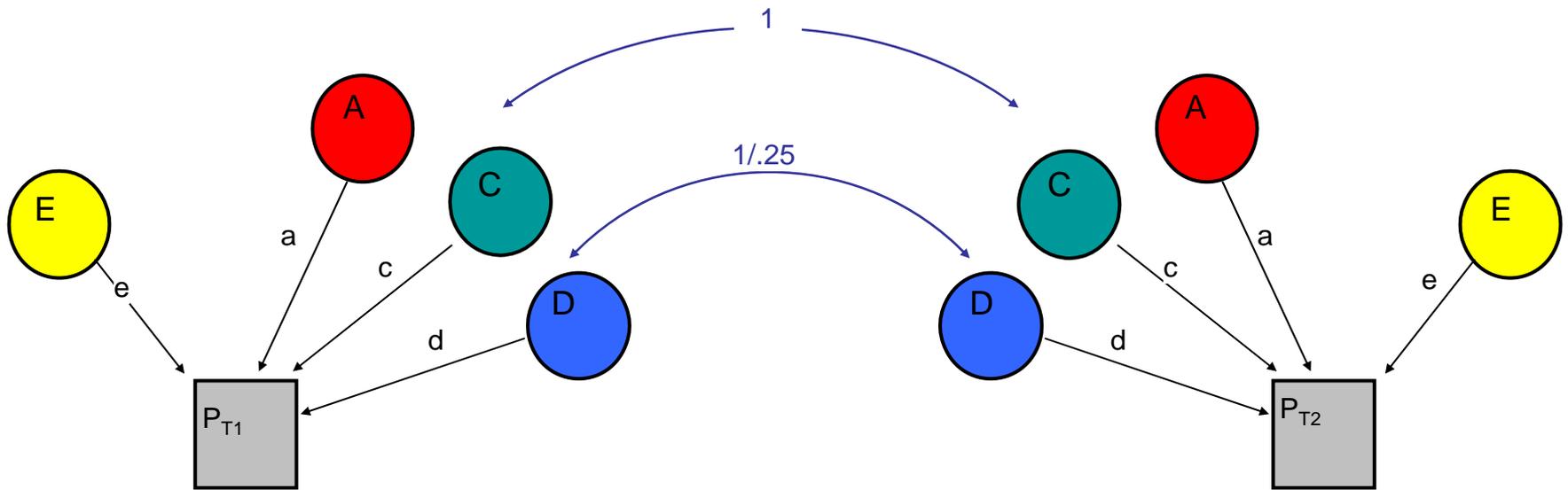
Getting Started

- Copy faculty:matt/GE folder into your home directory
- Start R. Then File -> Open Script -> home:GE/GE-73.R

Running GeneEvolve

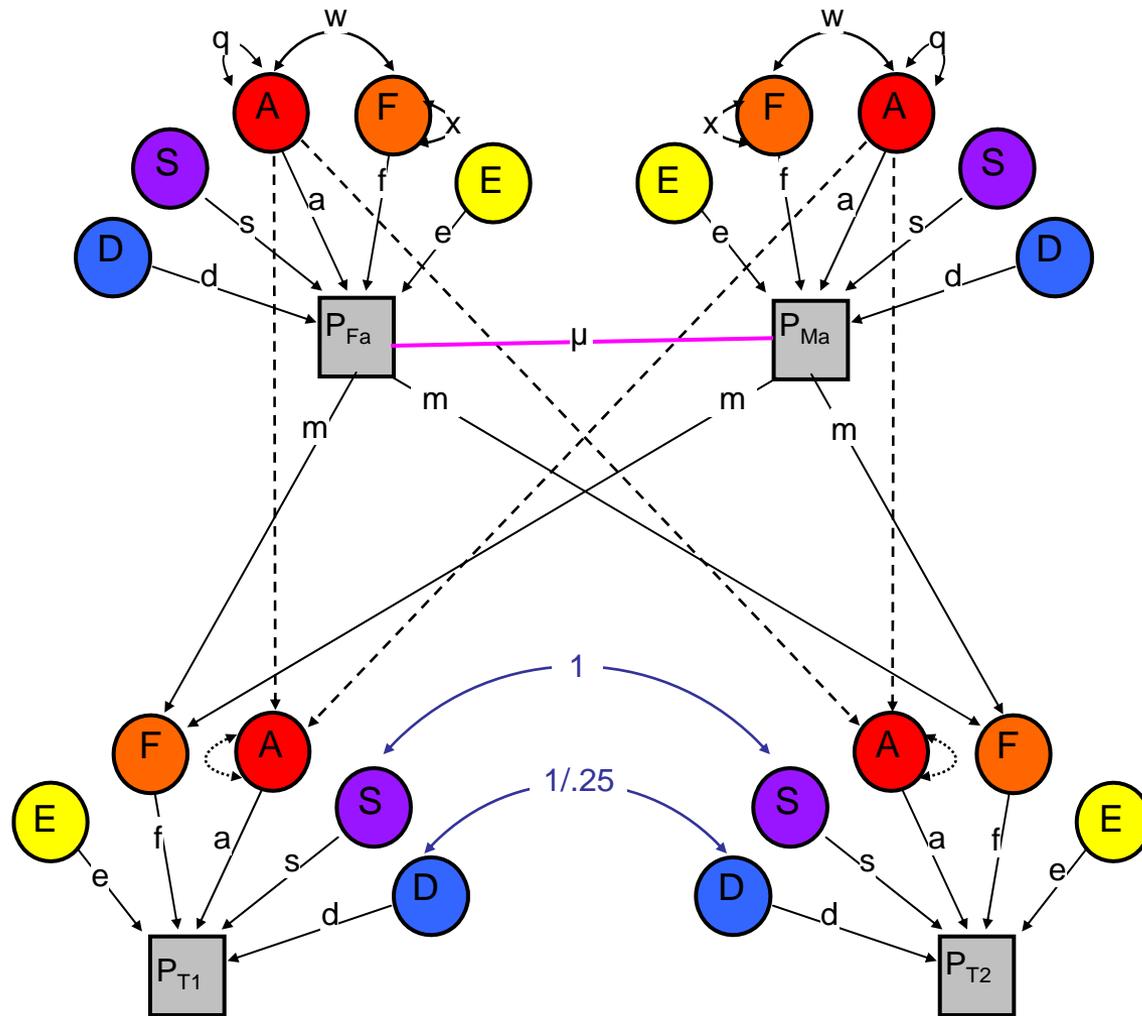
1. Create a reality where $A=.3$, $D=.2$, $F=.1$, $S=.1$, $U=.3$ & $AM = .2$ (all other parameters = 0). After it runs (~1.5 min), open the resulting PDF. What happens to the A variation across 10 generations? D? F? S? Why?
2. Do the same thing but change the mode of mating to social homogamy (`am.model <- "II"`). What happens?
3. Run another model you find interesting & see what happens

Classical Twin Design (CTD)



GE.Twin_ADE.mx

Nuclear Twin Family Design (NTFD)



Note: m estimated
and f fixed to 1

NTF.mx