## Marginal Rate of Substitution Between Public and Private Goods

Pascal Michaillat https://pascalmichaillat.org/c2/

Representative house hold : den wes utility from public & private goods & an Mg Utility function. M (C, g) M (C, g) Ohare of producting public wakers . It is obmictly increasing in C . I is strictly, in creasing in g . Mix phristly concare Marginal rate of substitution b/a public & private goods MRSg, = DU/dg > 0 201/9c MRSge is structly decreasing in g/c MRSgc (g/c= ) > 1 -> Pothat it is desinable to provide some public goods (interior solution to planmi's problem)