$$y_{60} = \alpha + \epsilon_{60} + n_{60} + p_{159} + p_{158} + p_{158} + p_{157} + ... + p_{37}n_{23}$$

$$y_{68} = \alpha + \epsilon_{59} + ... + n_{58} + p_{167} + ... + p_{35}n_{23}$$

$$p_{158} + p_{158} + p_{157} + ... + p_{72}n_{23}$$

Cov 
$$(y_{60}, y_{52}) = \sigma_{\alpha}^2 + \sigma_{n}^2 \left( p^2 + p^4 + \dots + p^{72} \right)$$
This is another geometric sum.
$$p^2 \frac{1 - p^{72}}{1 - p^2}$$

$$a = \frac{1-r}{1-r}$$
  $a = 5n^2, r = p^2, N = 35$ 

$$\frac{1}{1-Y} + \phi_1 \left(1 + \frac{a[1+r(1-t_c)](1-t_b)}{\phi_2}\right)^{1-Y}$$

such that a = 0

Interior maximum:

$$(x-a)^{-\gamma} = (\gamma-1)\frac{\phi_1}{\phi_2}A(1+\frac{A}{\phi_2}a)^{-\gamma}$$

$$(x-q) = \left[ (\gamma-1)A \right]^{-\frac{1}{\gamma}} \left[ \frac{\phi_1}{\phi_2} \right]^{-\frac{1}{\gamma}} \left( 1 + \frac{A}{\phi_2} a \right)$$

Let 
$$B := [(\gamma - 1)A]^{-\frac{1}{\gamma}}$$
 and  $\gamma := (\frac{d_1}{\phi_2})^{-\frac{1}{\gamma}}$ 

$$x-a = B\Psi \left(1 + \frac{A}{\phi_2} a\right)$$

$$a = X - BY$$

$$1 + BY \frac{A}{\phi_2}$$

General maximum: 
$$a = \frac{\max\{0, x - BY\}}{1 + BY \frac{A}{\phi_2}}$$

Q2 bequest

2. 
$$\frac{a}{x} = \frac{a}{x - B\Psi} \cdot \frac{x - B\Psi}{x} = \frac{1}{1 + B\Psi \frac{A}{\phi_2}} \cdot \left(1 - \frac{B\Psi}{x}\right)$$

total rejources

\* From the found value of a, which gives a constant, asymptotic share strength of the begrest motive. The value asymptotically approaches this constant.

· luxury. If not luxury, then this would be a constant share of resources.

- We consume or eat in last period. Bequest luxury to consumption share of  $\frac{a}{x}$  should be constant if not a luxury.  $\phi_1$ : bequest motive  $\phi_2$ : luxury.

3.  $\psi = \left(\frac{\phi_1}{\phi_2}\right)^{\frac{1}{\gamma}}$ . So the relative  $\phi_1$  to  $\phi_2$  gives the measure of luxury, and  $\frac{\phi_1}{\phi_2} \frac{B \psi A}{\phi_2}$  gives the bequest motive.

H is not exactly as put in the paper. They have these as  $\phi$ , and  $\phi_2$  being luxury us, bequest. Of course once we know about these factors  $\phi$ , and  $\phi_2$  identity these concepts.

4. De Nardi:

p.: transfer wealth share (60% in US)

\$2: average bequest left by singles (\$10,000).