

# Comparative statics

March 23, 2019

## 1 Comparative statics on $\theta_S$

### 1.1 Exercise 1

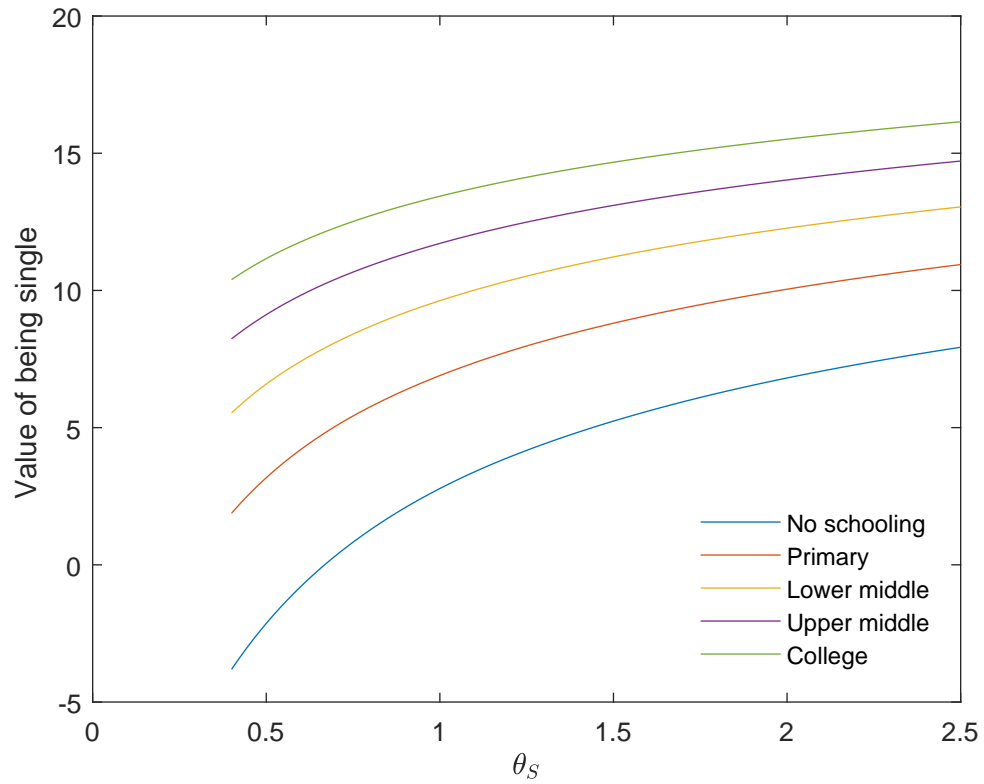
Table 1: Parameters exercise 1

Parameter	Value
Periods per year	1.000
$\beta$	0.960
Life expectancy	45.000
$\delta$	0.022
$A$	0.500
$\alpha$	0.500
$\kappa$	0.200
$\bar{c}$	0.500
$\lambda$	0.500
$\gamma$	1.500
Gender wage gap	0.750
Skill premium	0.250
General wage level	1.000

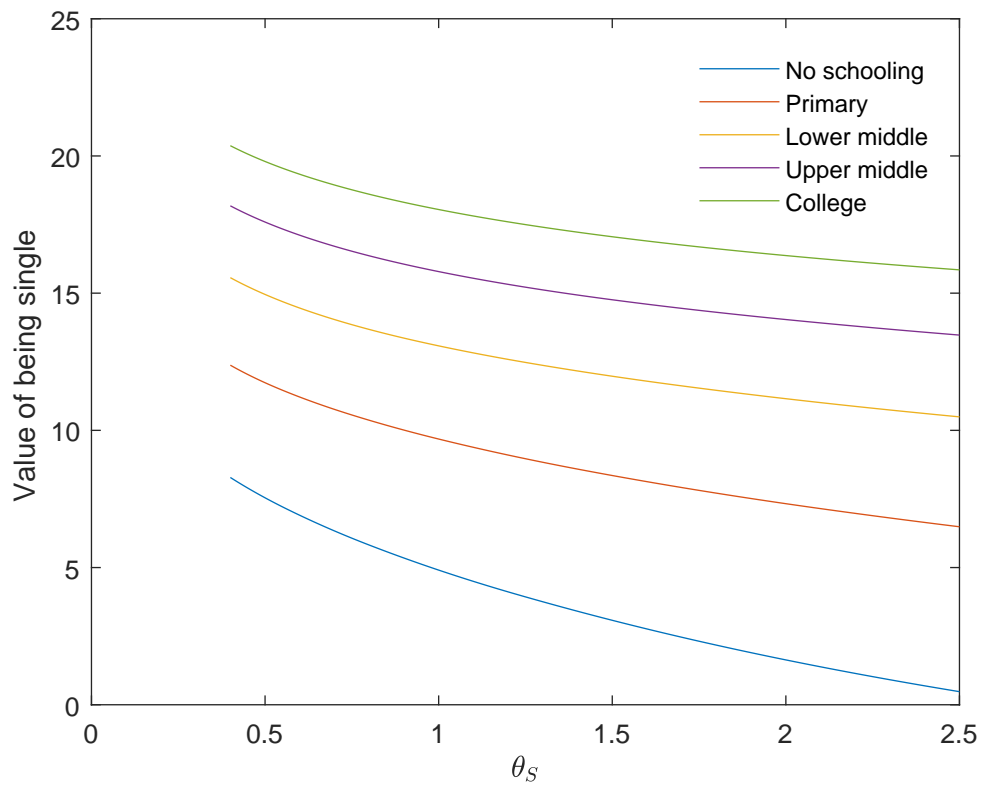
Notes:

1.

Figure 1: Value of being single



(a) Females



(b) Males

Figure 2: Matching probability by sex

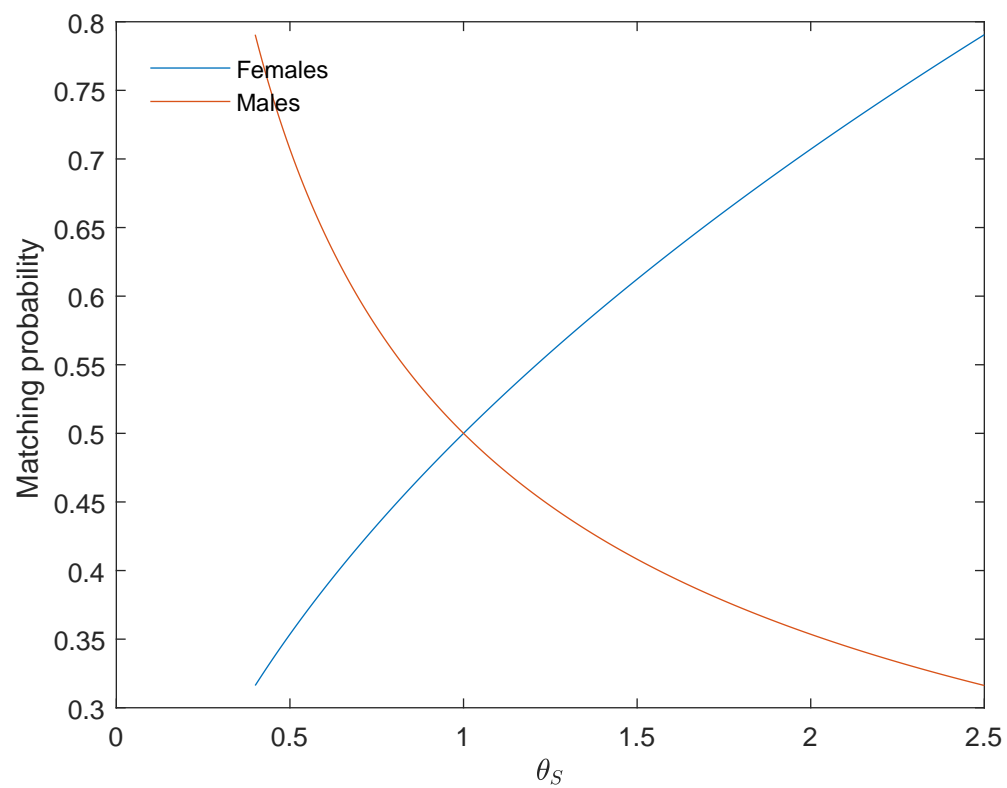


Figure 3: Marriage rates by sex

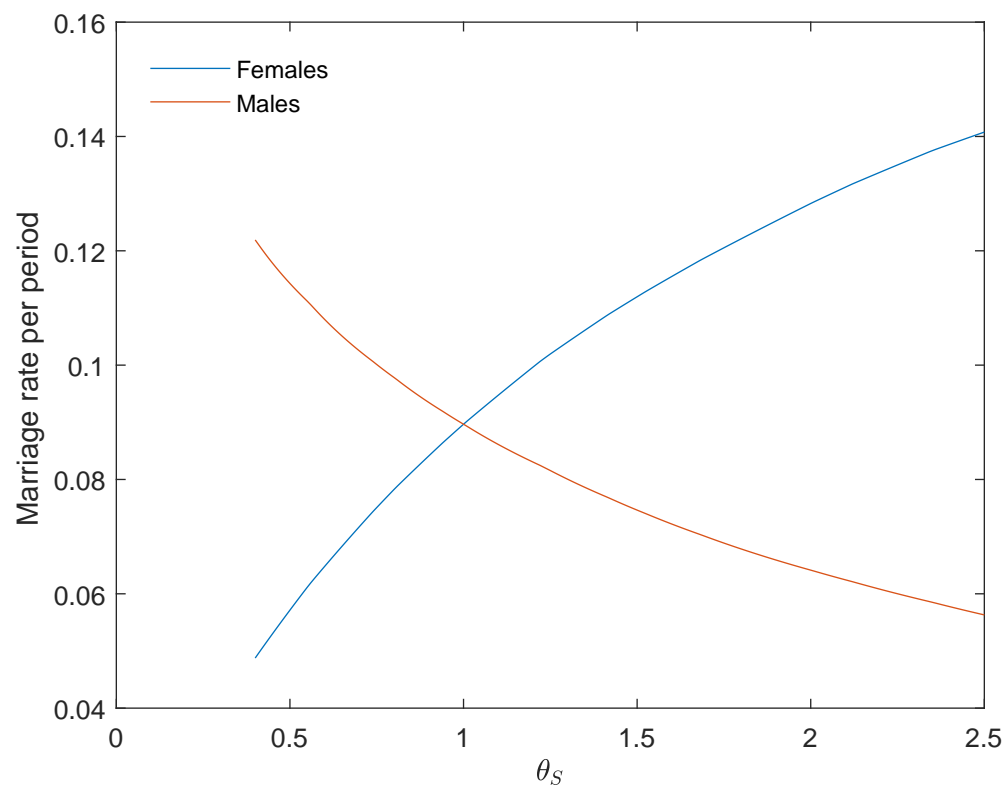
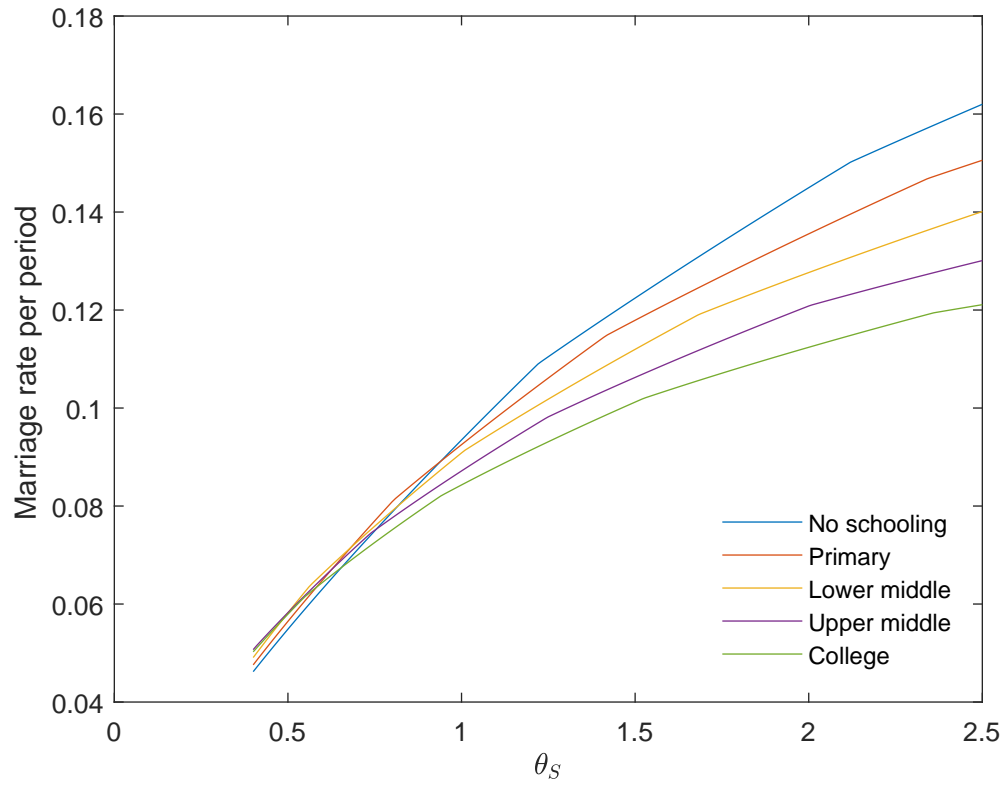
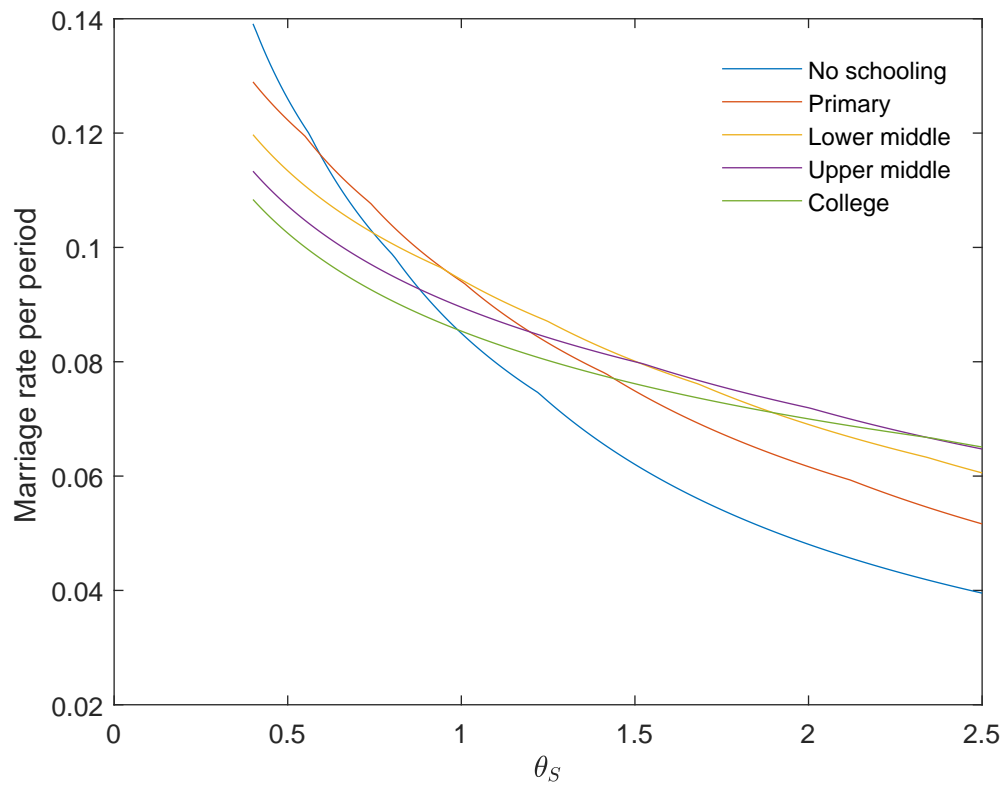


Figure 4: Marriage rates by education level

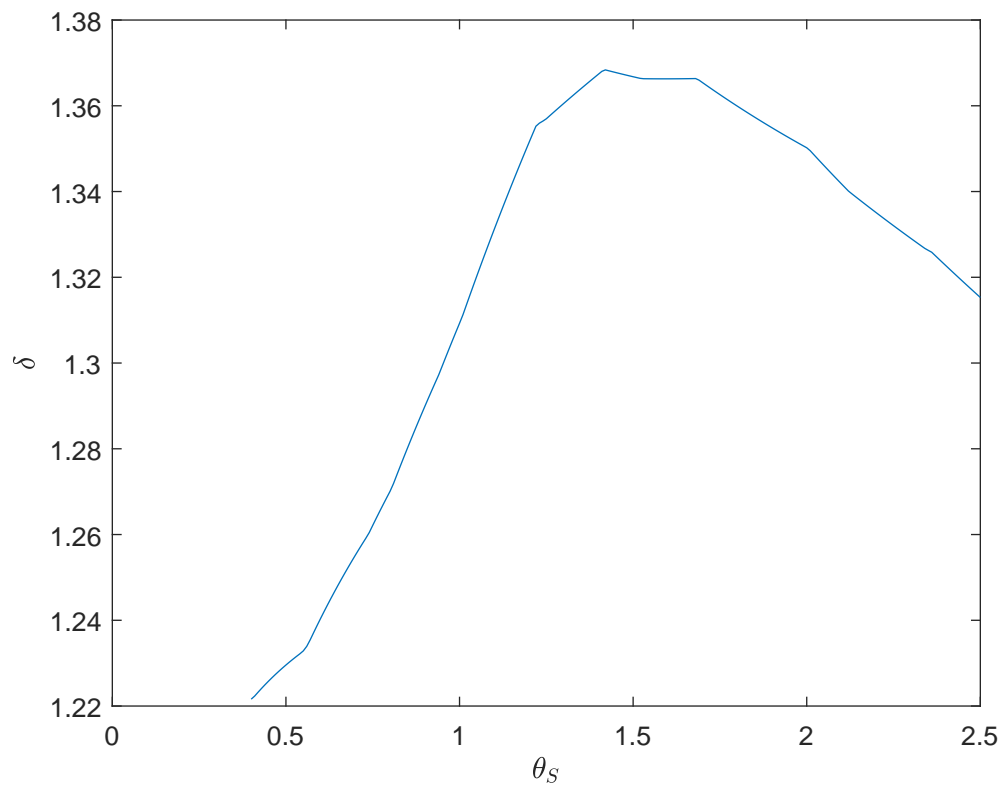


(a) Females

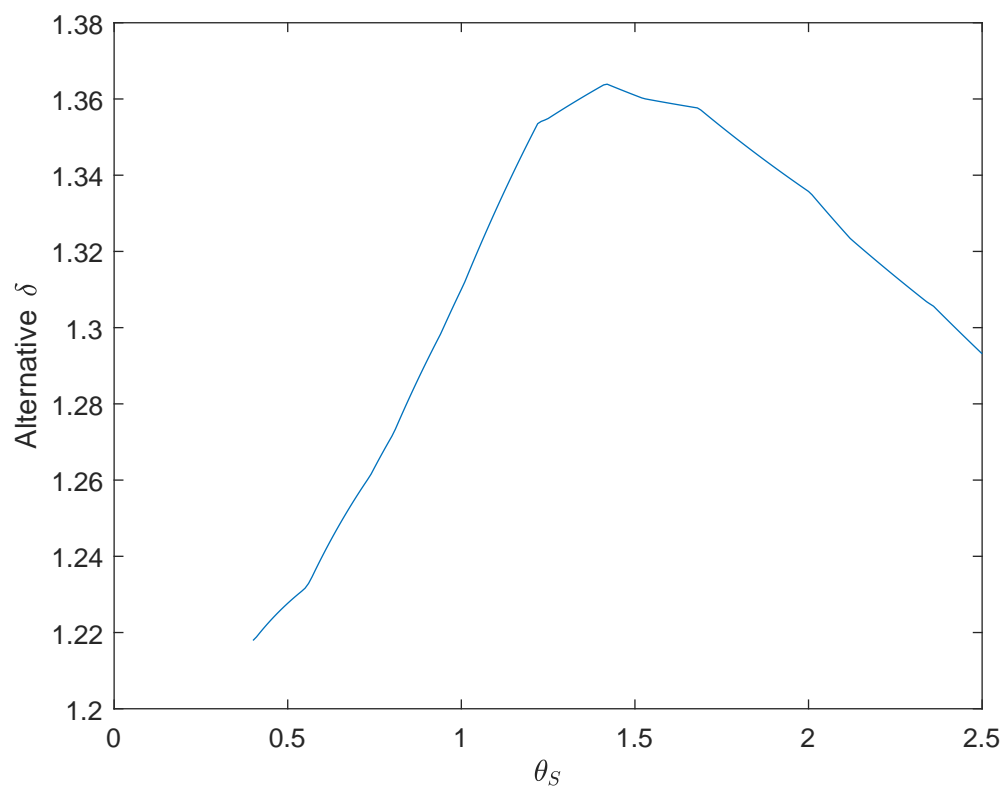


(b) Males

Figure 5: Marital sorting in education

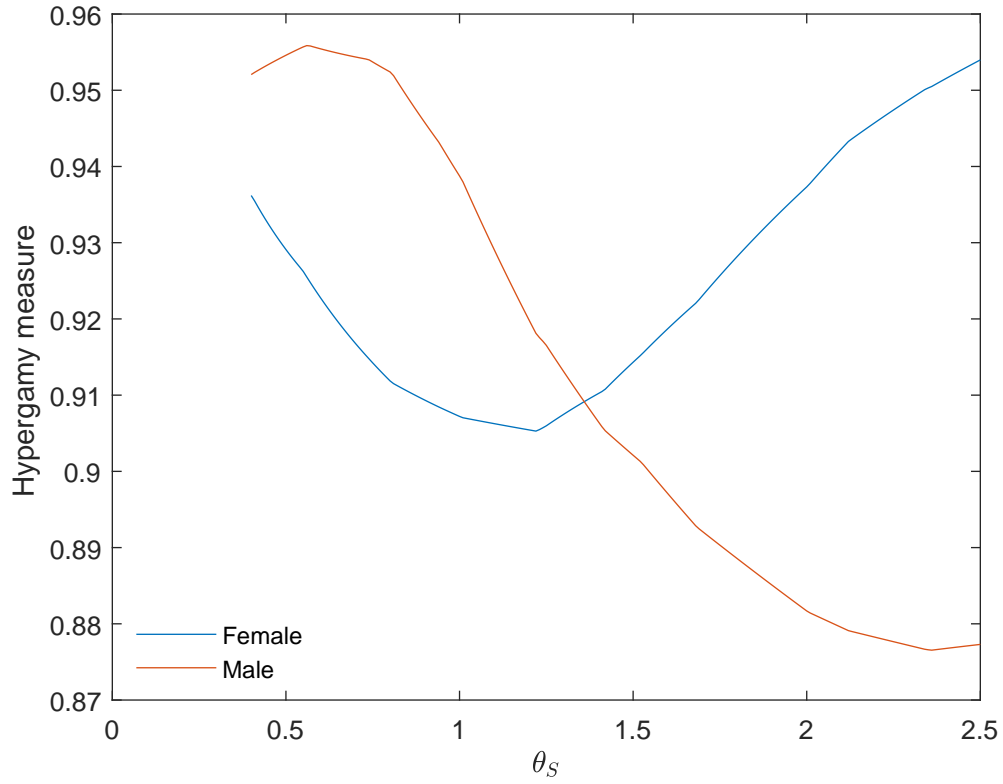


(a) Basis: only married people

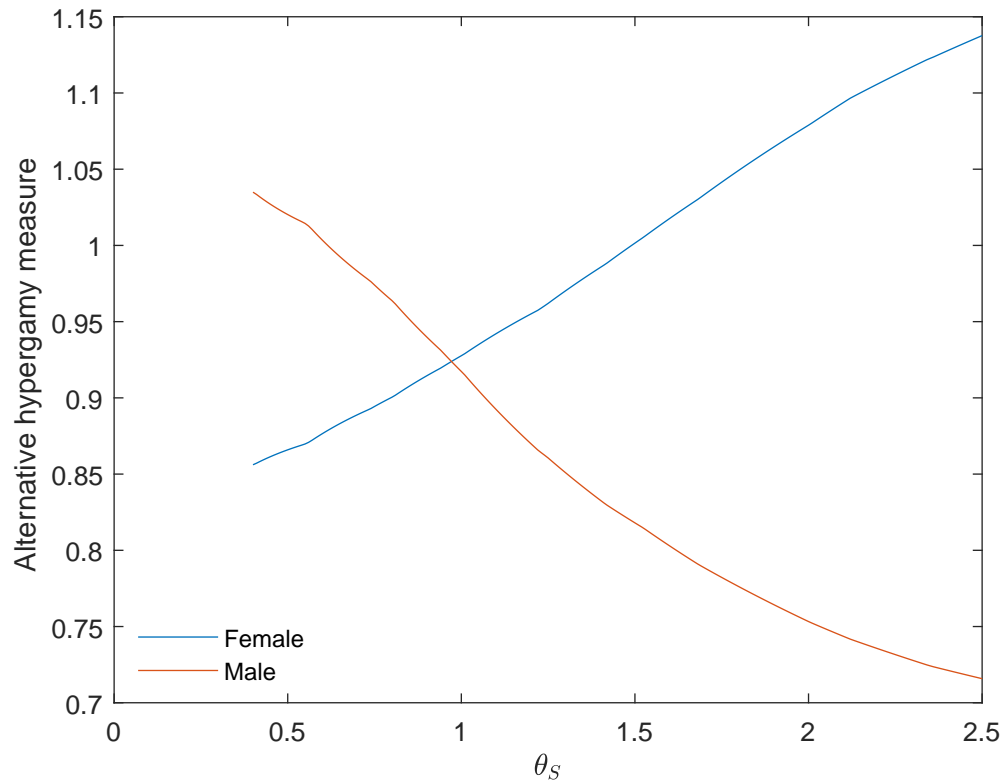


(b) Basis: all individuals

Figure 6: Hypergamy in education by sex



(a) Basis: only married people



(b) Basis: all individuals

Figure 7: Expected time to marriage

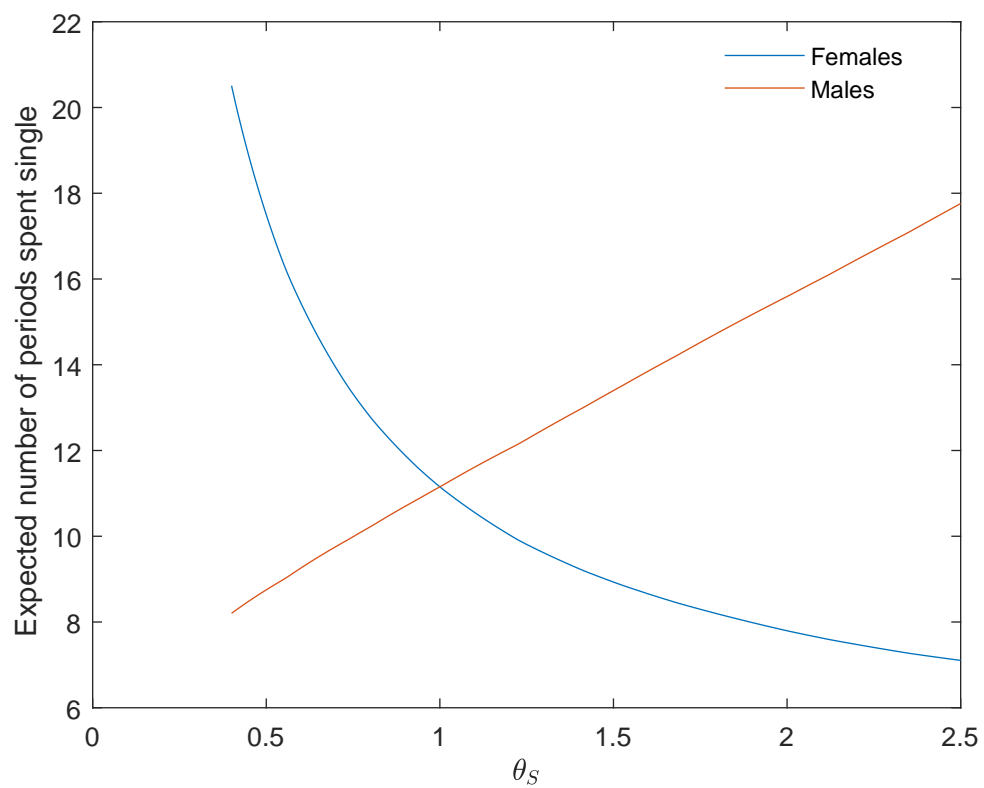


Figure 8: Married female labor supply

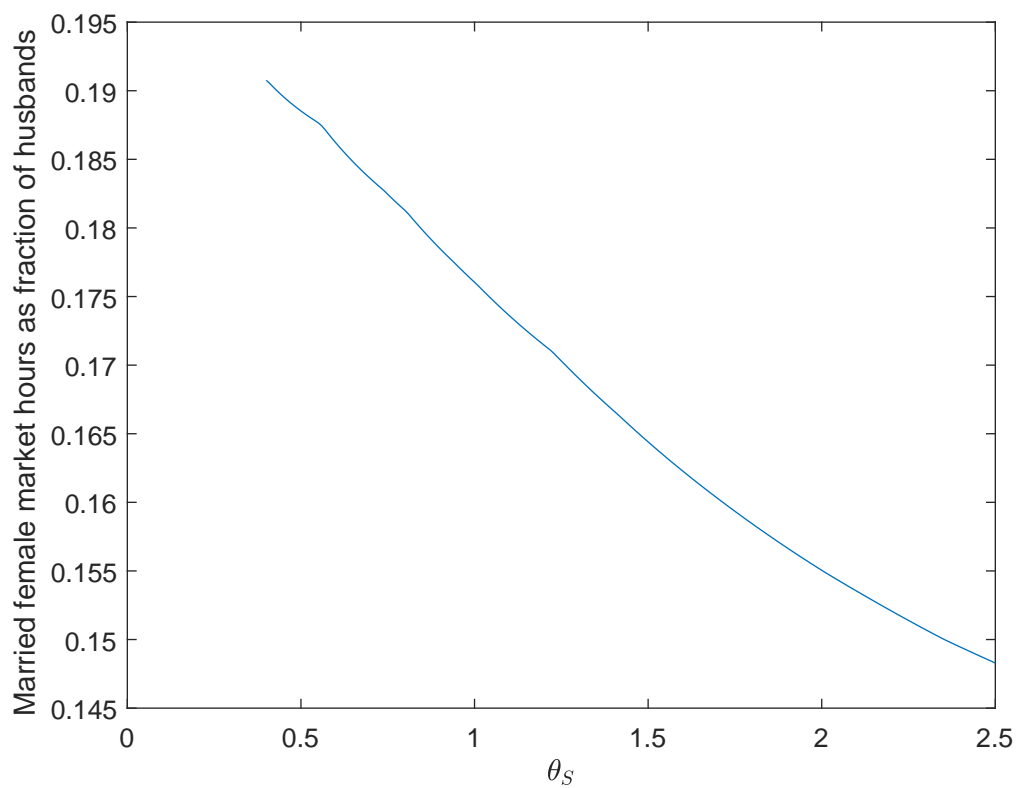
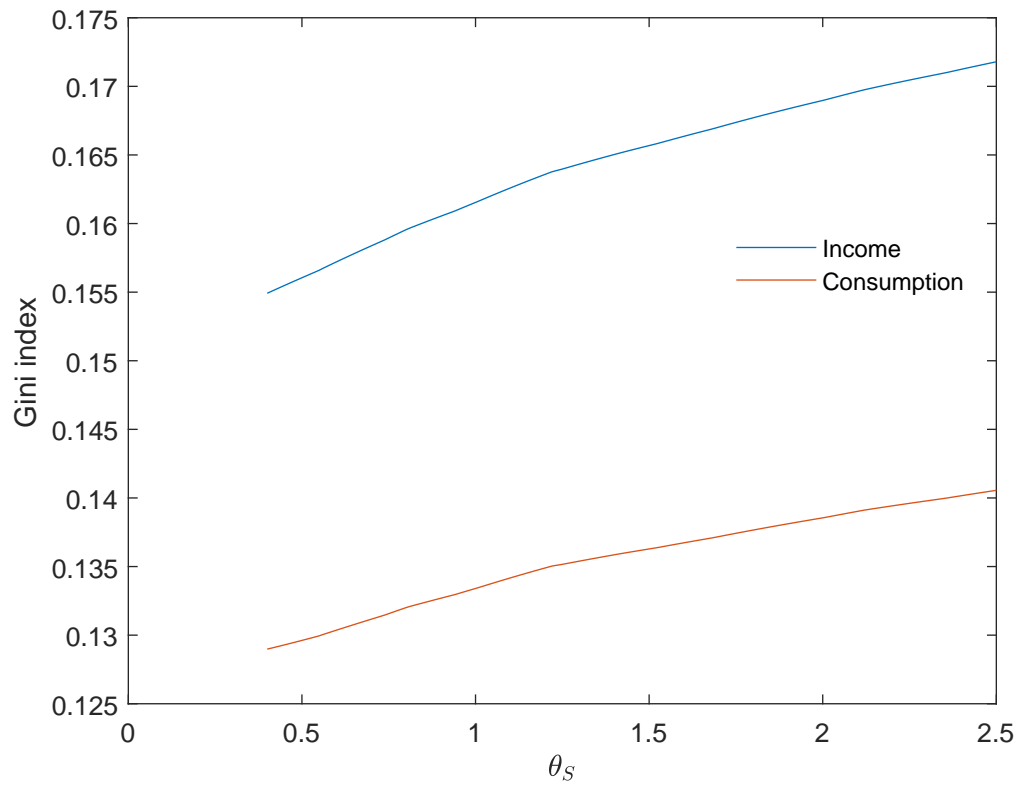


Figure 9: Inequality





## 2 Comparative statics on the skill premium

### 2.1 Exercise 1

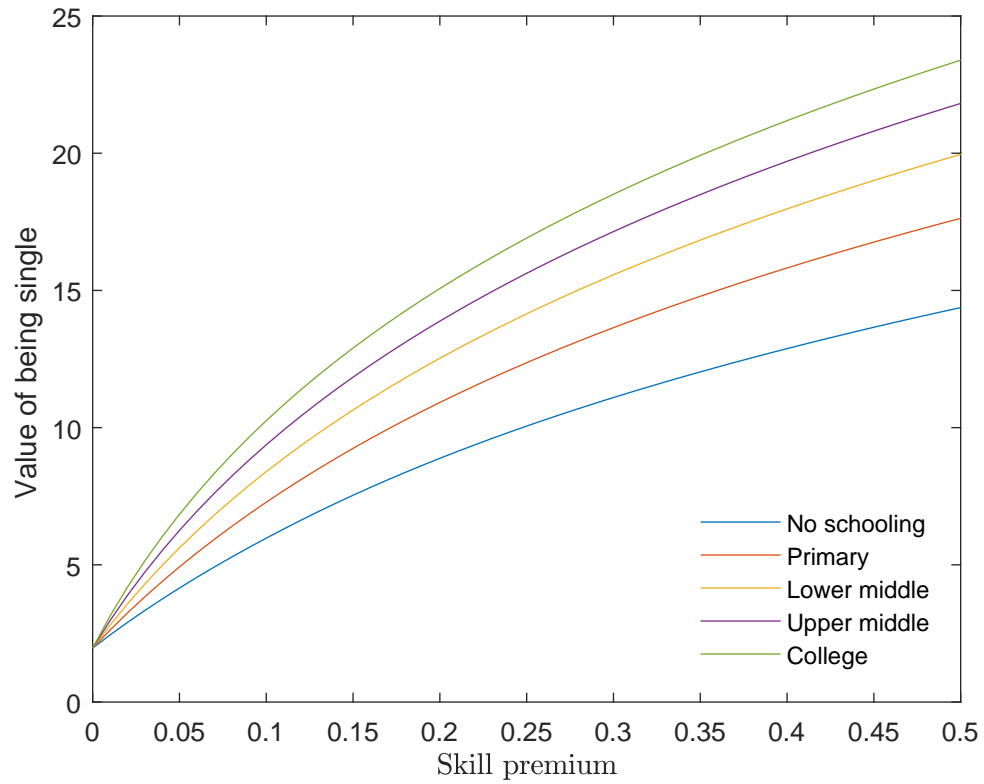
Table 2: Parameters for exercise 1

Parameter	Value
Periods per year	1,000
$\beta$	0,960
Life expectancy	45,000
$\delta$	0,022
$A$	0,500
$\alpha$	0,500
$\kappa$	0,200
$\bar{c}$	0,500
$\lambda$	0,500
$\gamma$	1,500
$\theta_S$	1,500
Gender wage gap	0,750
General wage level	1,000

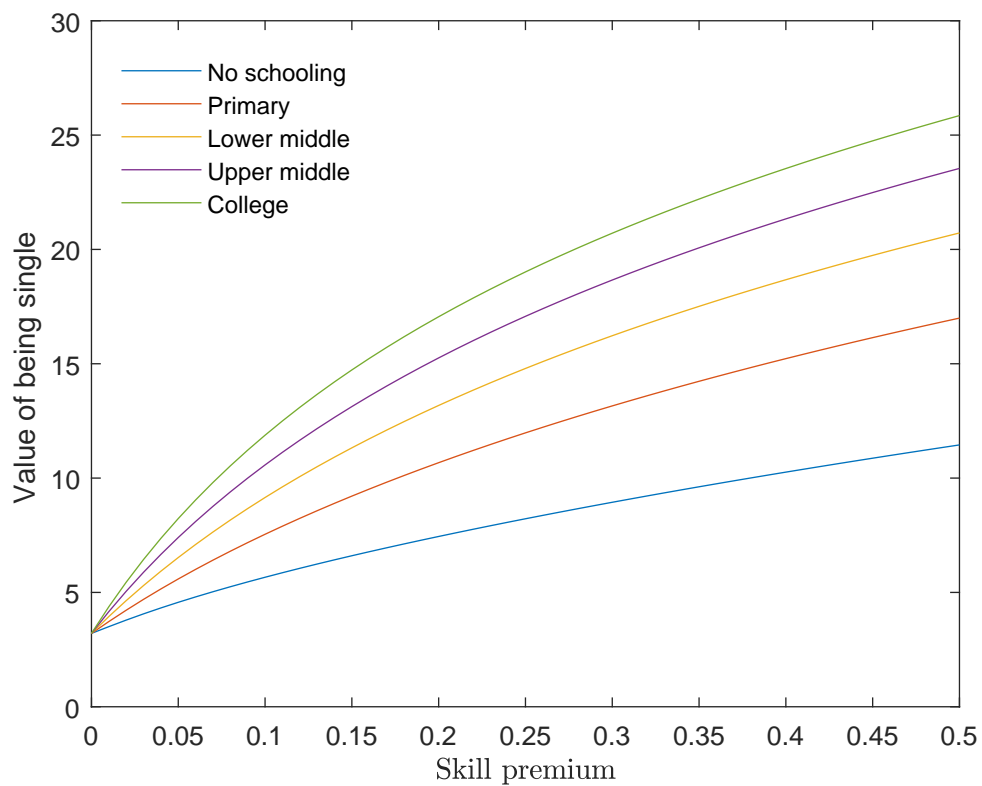
Notes:

1.

Figure 10: Value of being single



(a) Females



(b) Males

Figure 11: Matching probability by sex

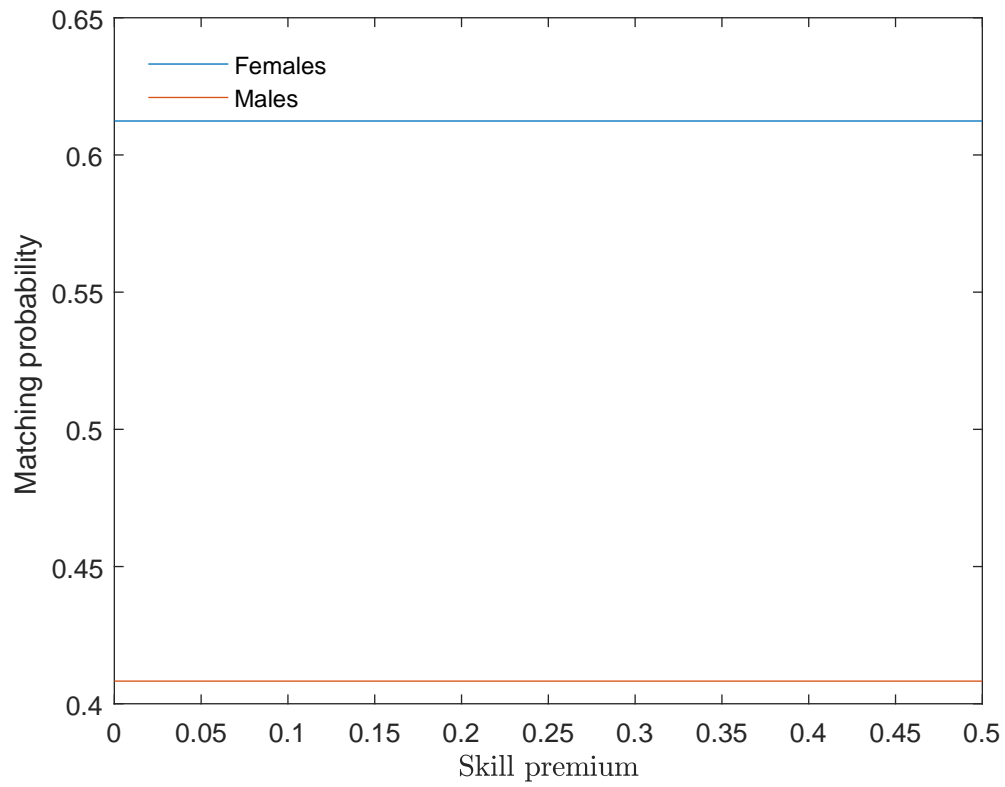


Figure 12: Marriage rates by sex

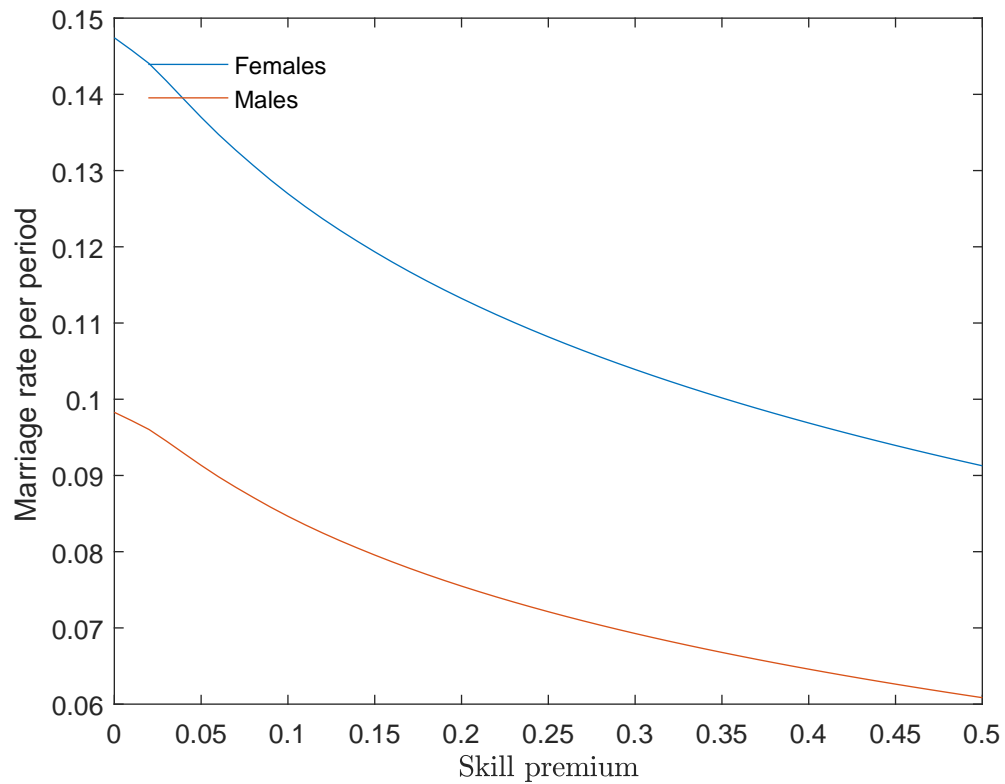
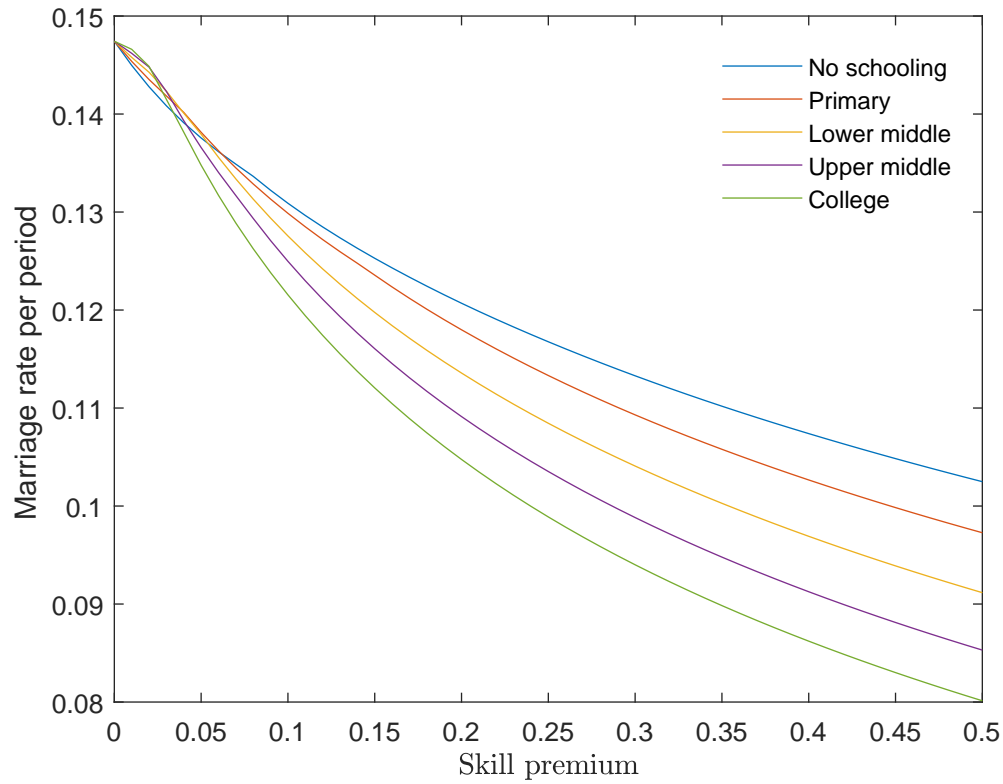
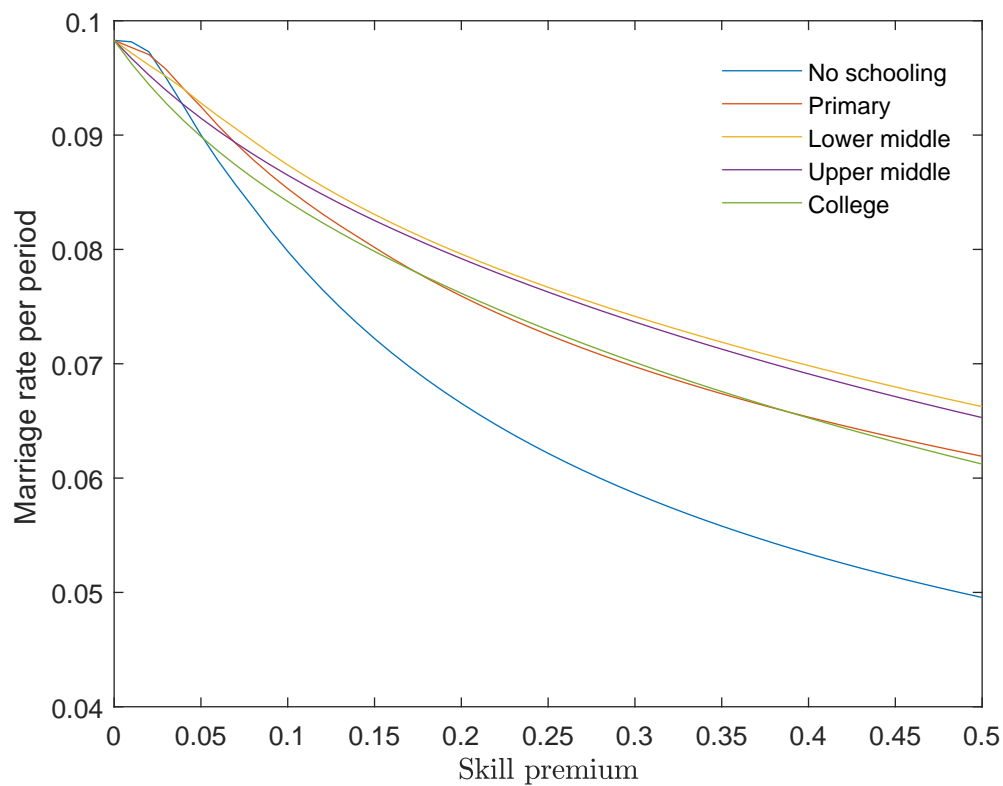


Figure 13: Marriage rates by education level

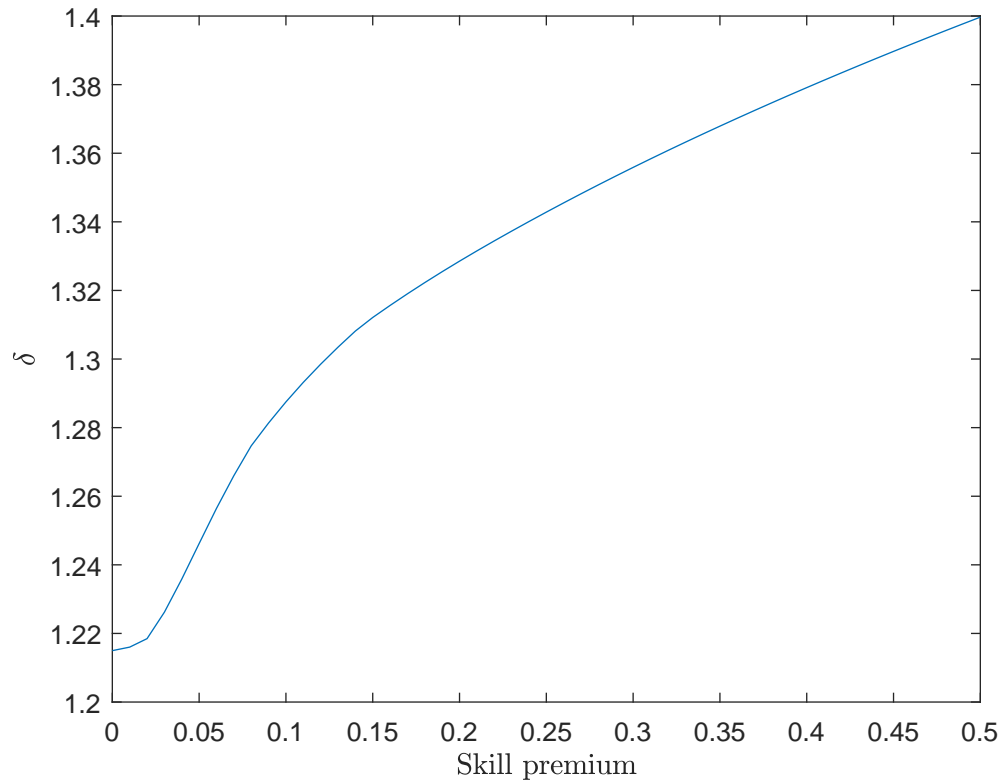


(a) Females

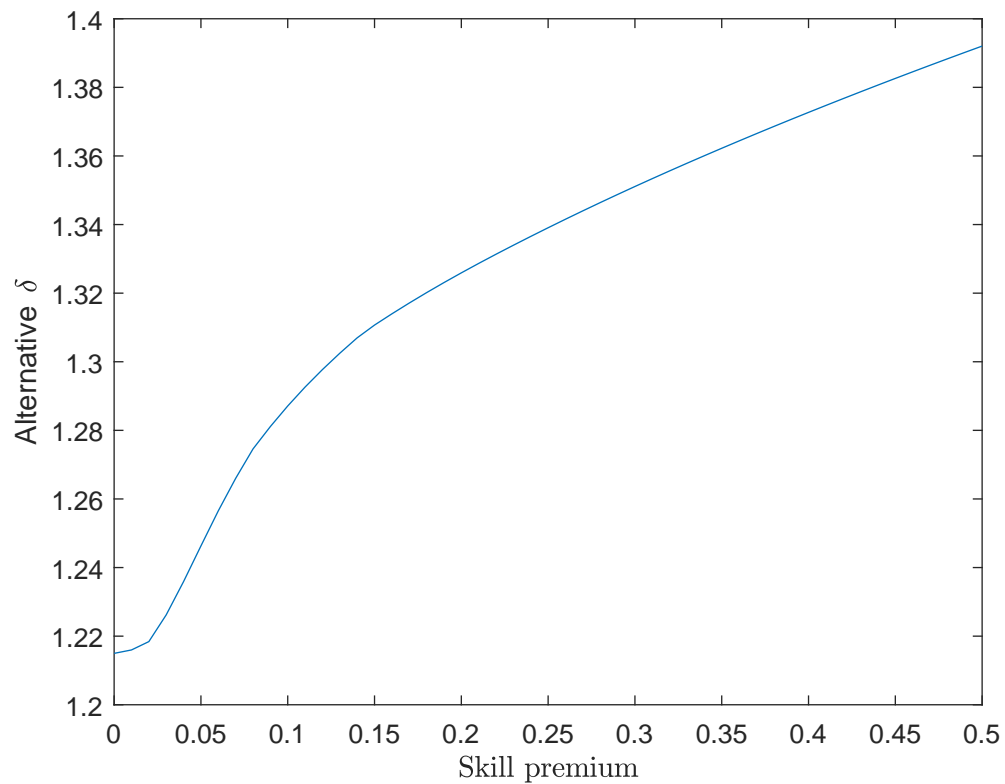


(b) Males

Figure 14: Marital sorting in education

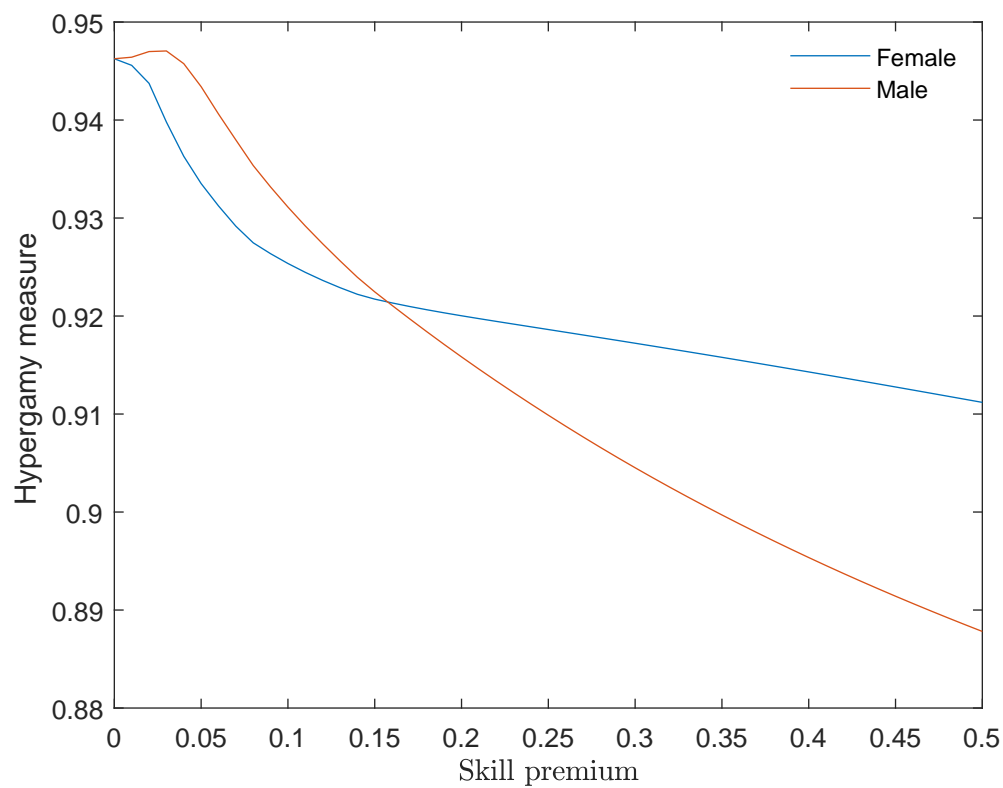


(a) Basis: only married people

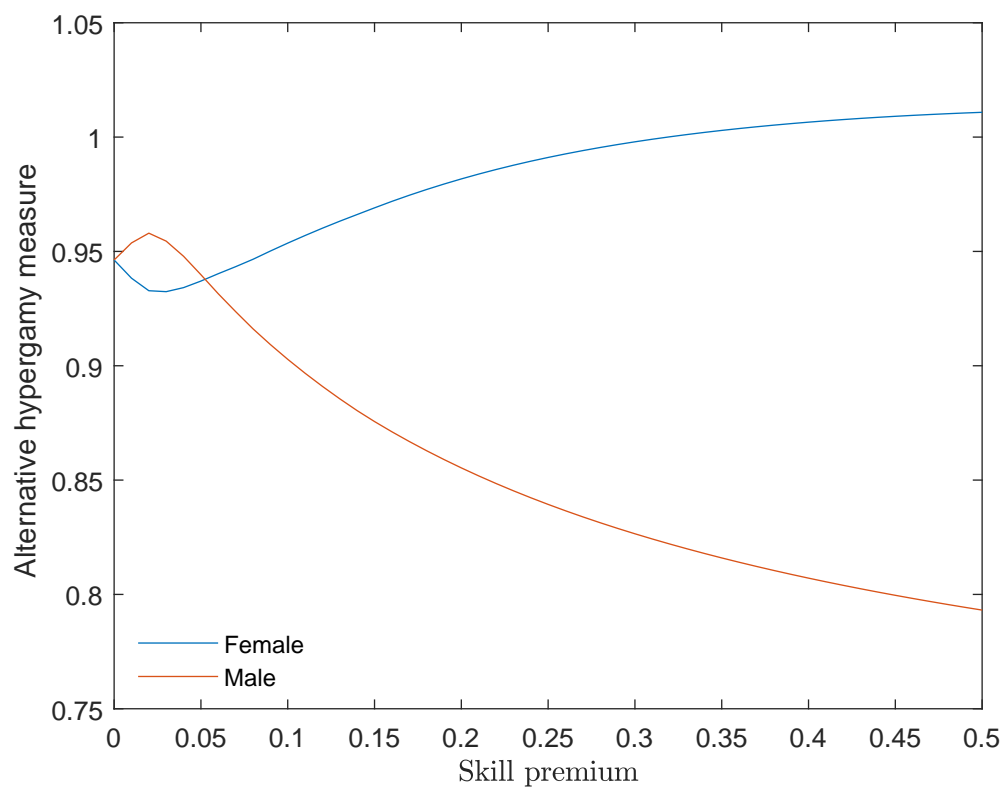


(b) Basis: all individuals

Figure 15: Hypergamy in education by sex



(a) Basis: only married people



(b) Basis: all individuals

Figure 16: Expected time to marriage

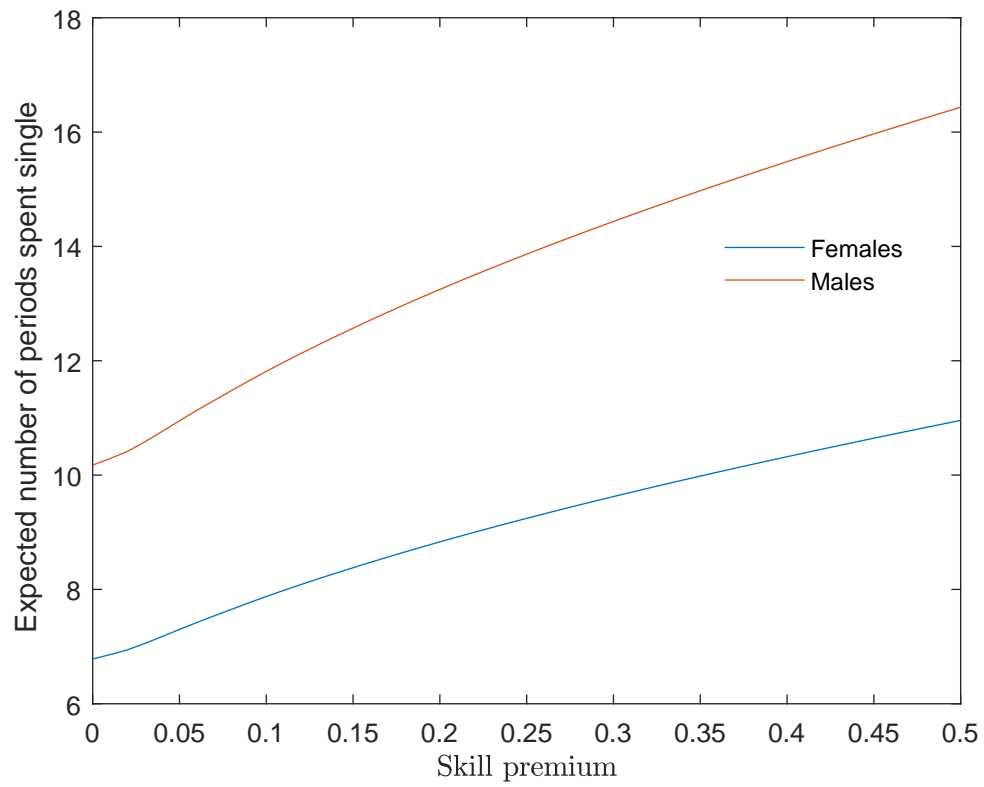


Figure 17: Married female labor supply

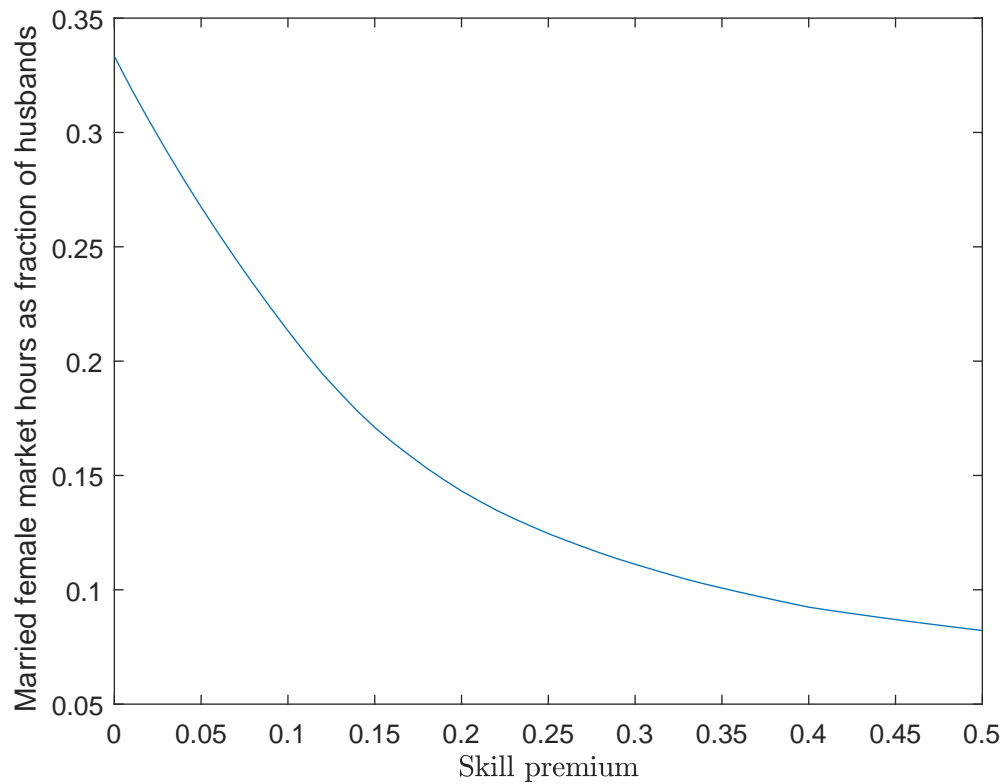
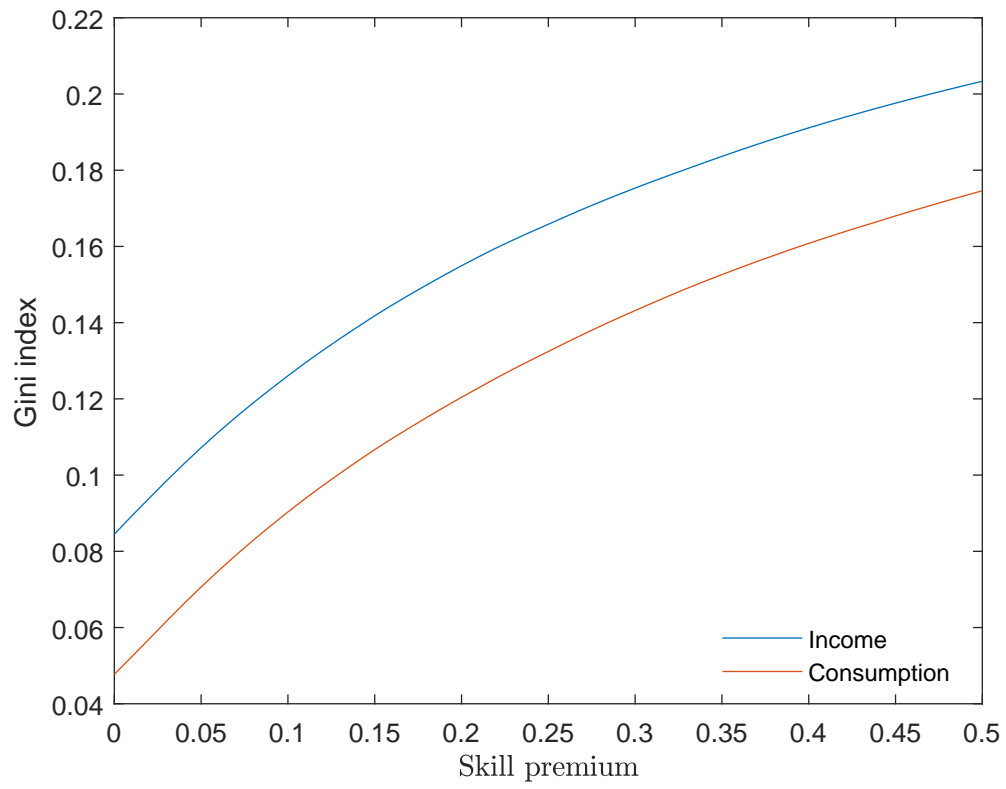


Figure 18: Inequality





### 3 Comparative statics on $A$

#### 3.1 Exercise 1

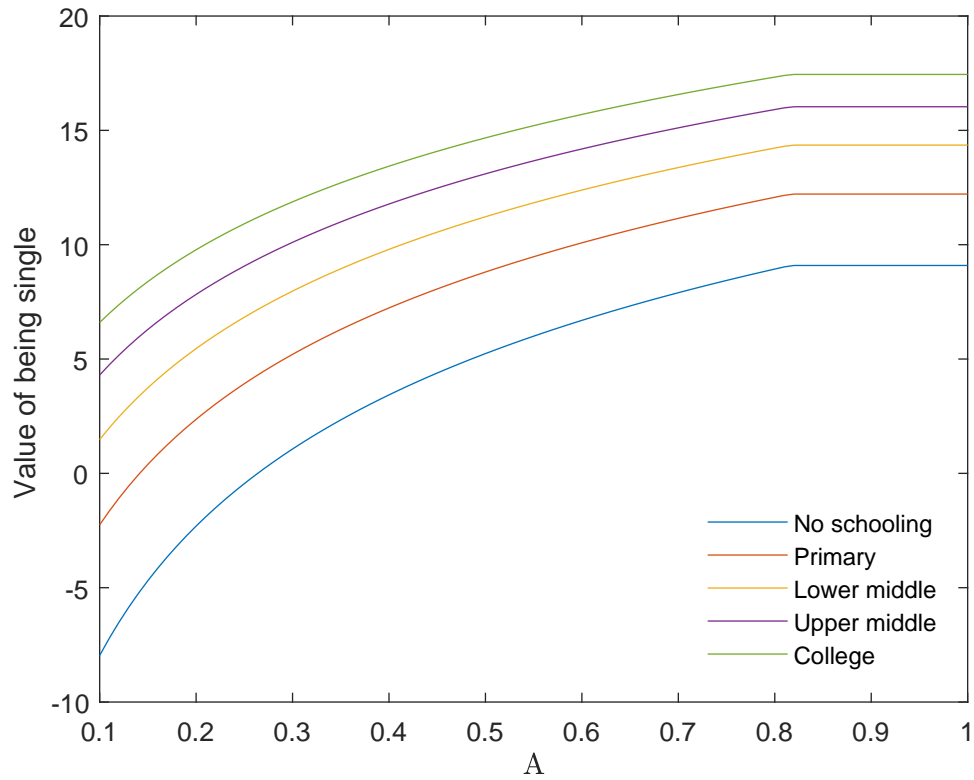
Table 3: Parameters for exercise 1

Parameter	Value
Periods per year	1,000
$\beta$	0,960
Life expectancy	45,000
$\delta$	0,022
$\alpha$	0,500
$\kappa$	0,200
$\bar{c}$	0,500
$\lambda$	0,500
$\gamma$	1,500
$\theta_S$	1,500
Gender wage gap	0,750
Skill premium	0,250
General wage level	1,000

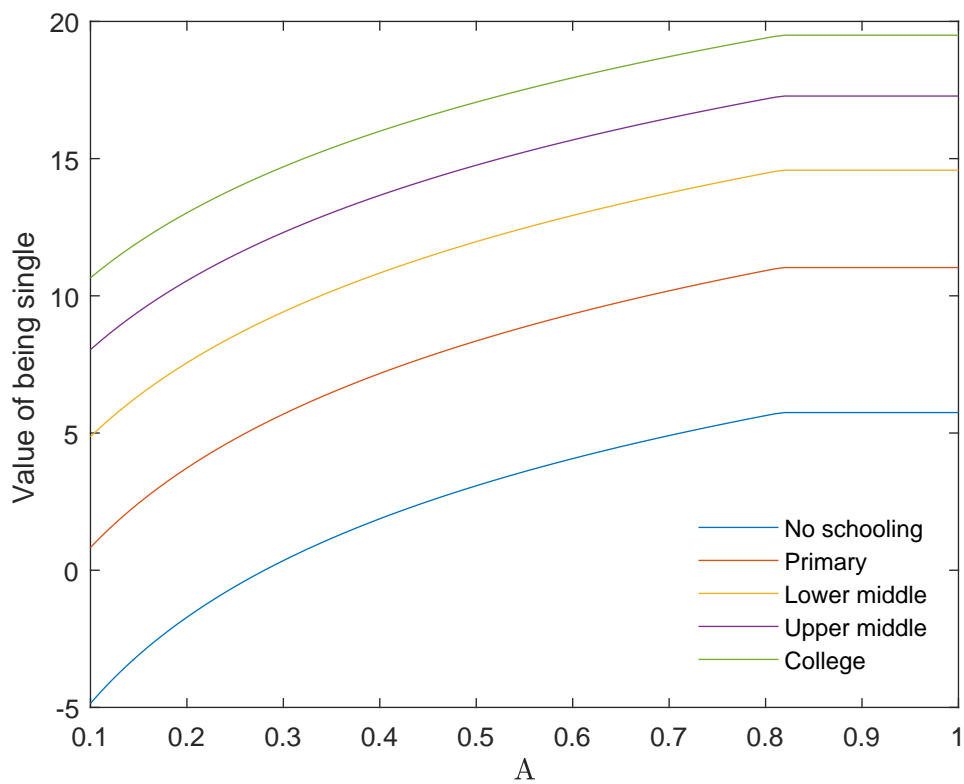
Notes:

1.

Figure 19: Value of being single



(a) Females



(b) Males

Figure 20: Matching probability by sex

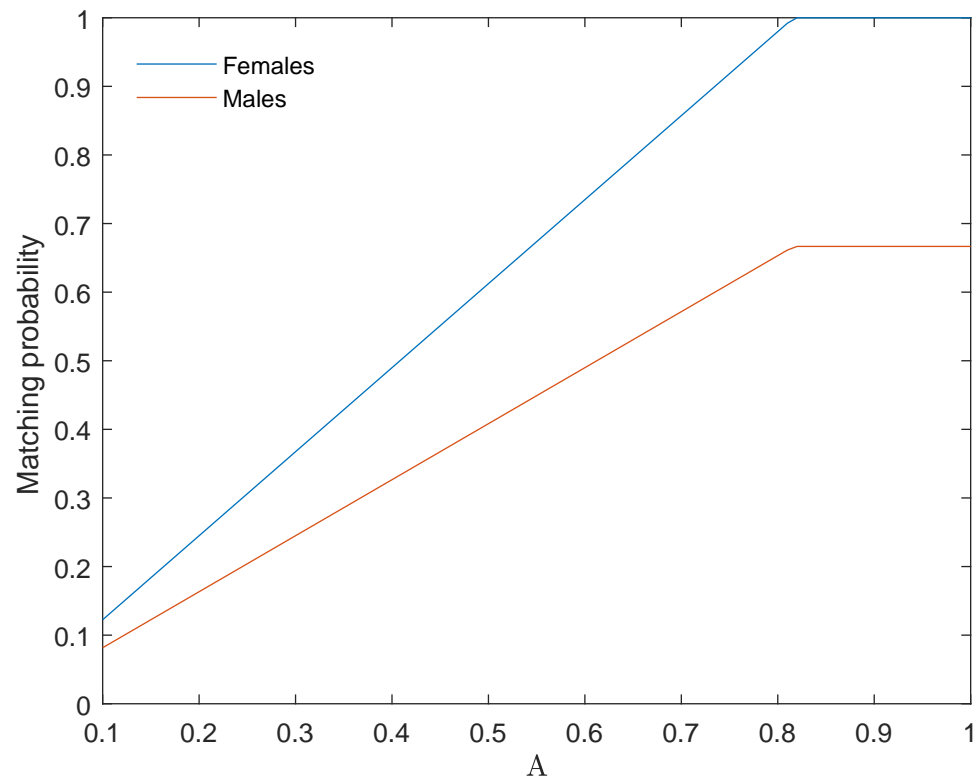


Figure 21: Marriage rates by sex

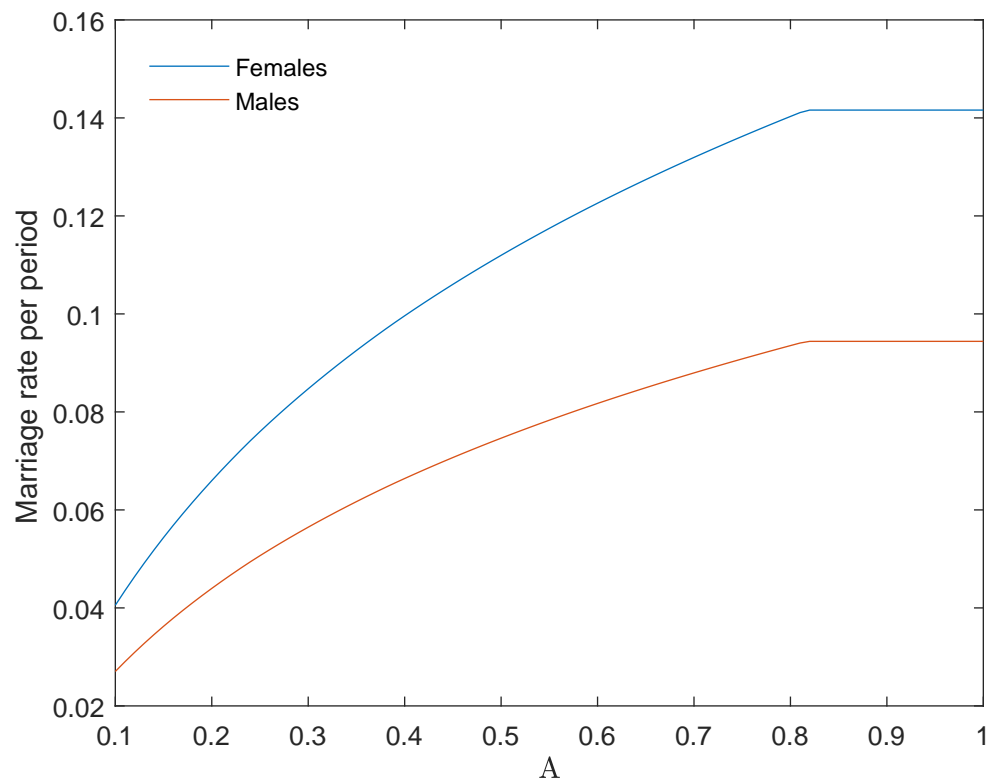
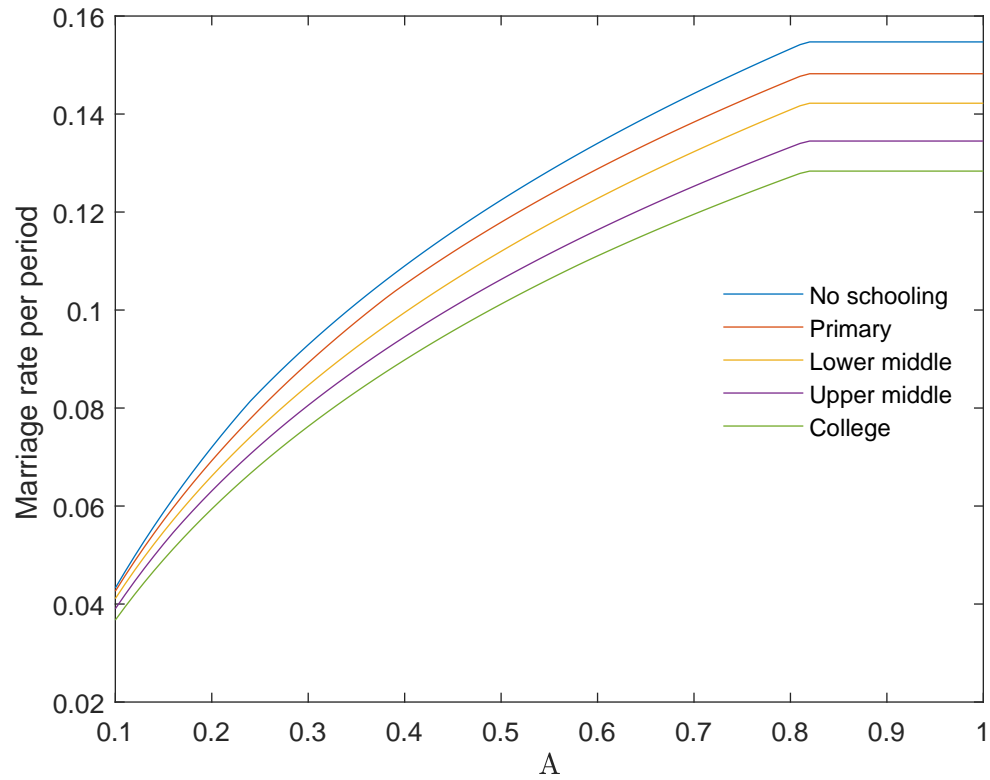
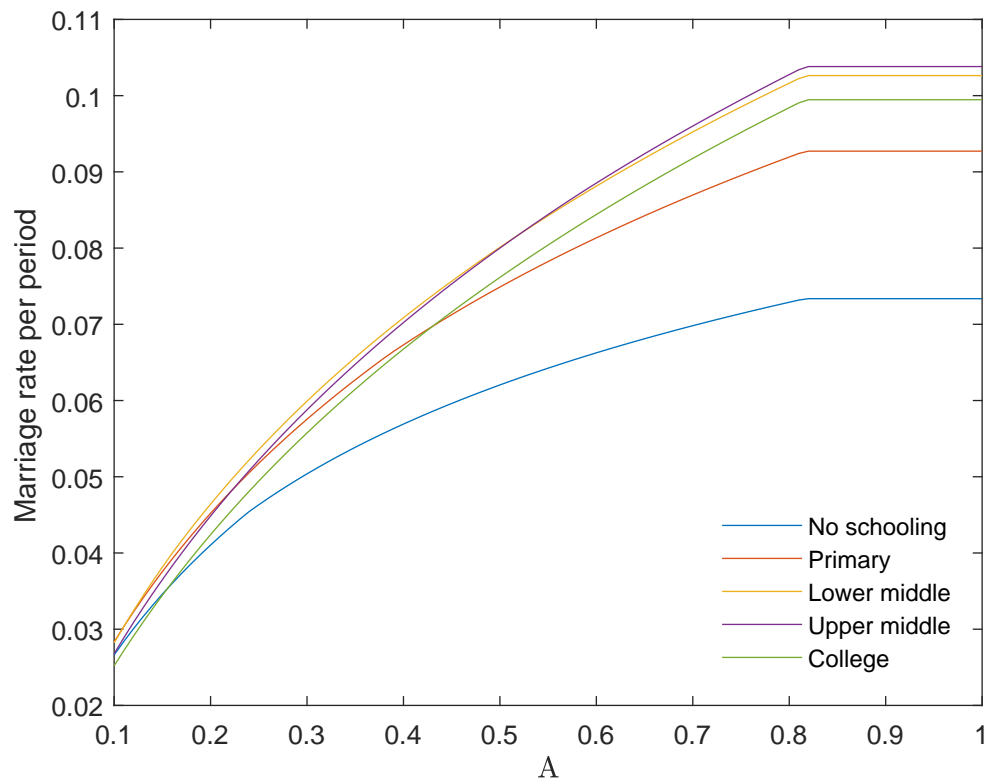


Figure 22: Marriage rates by education level

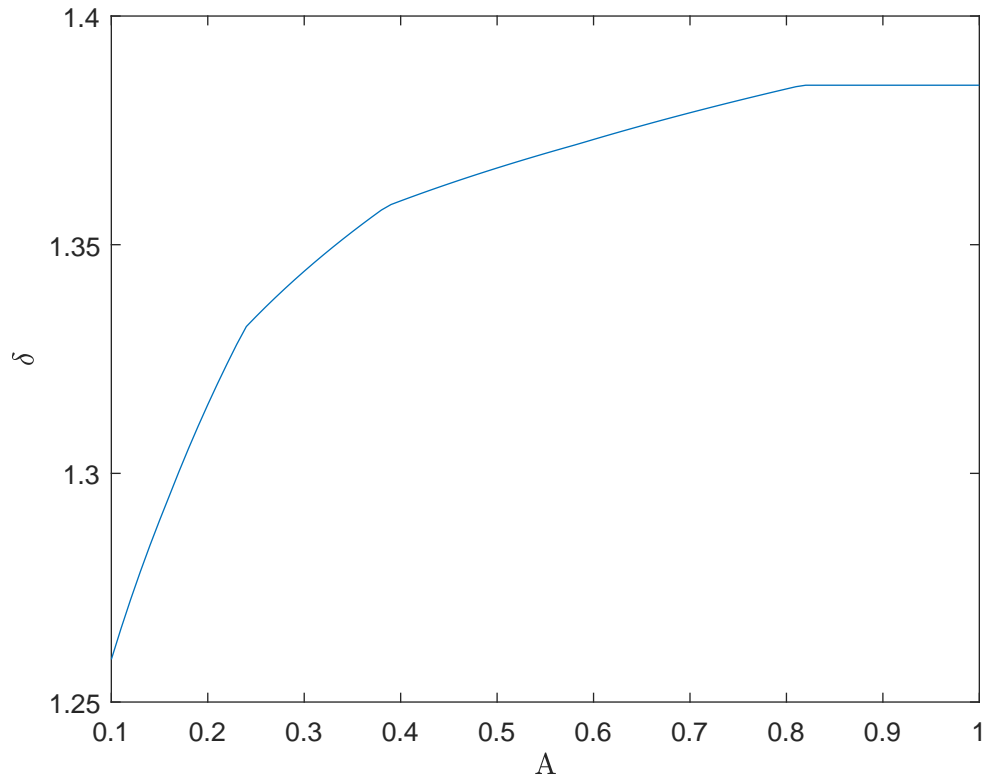


(a) Females

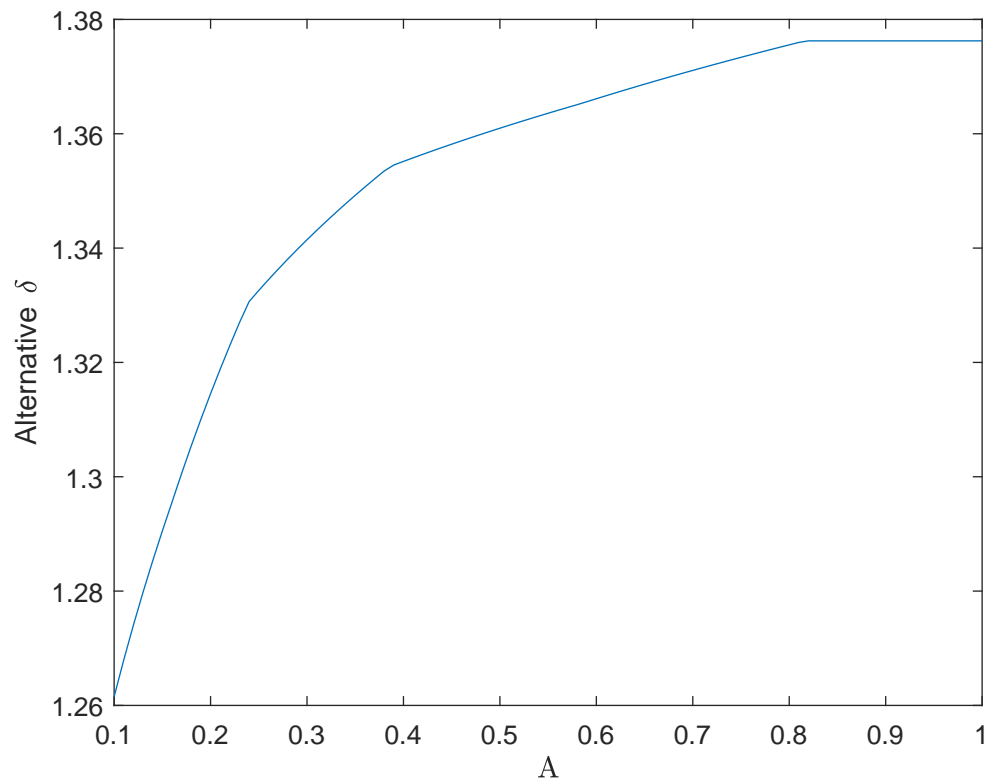


(b) Males

Figure 23: Marital sorting in education

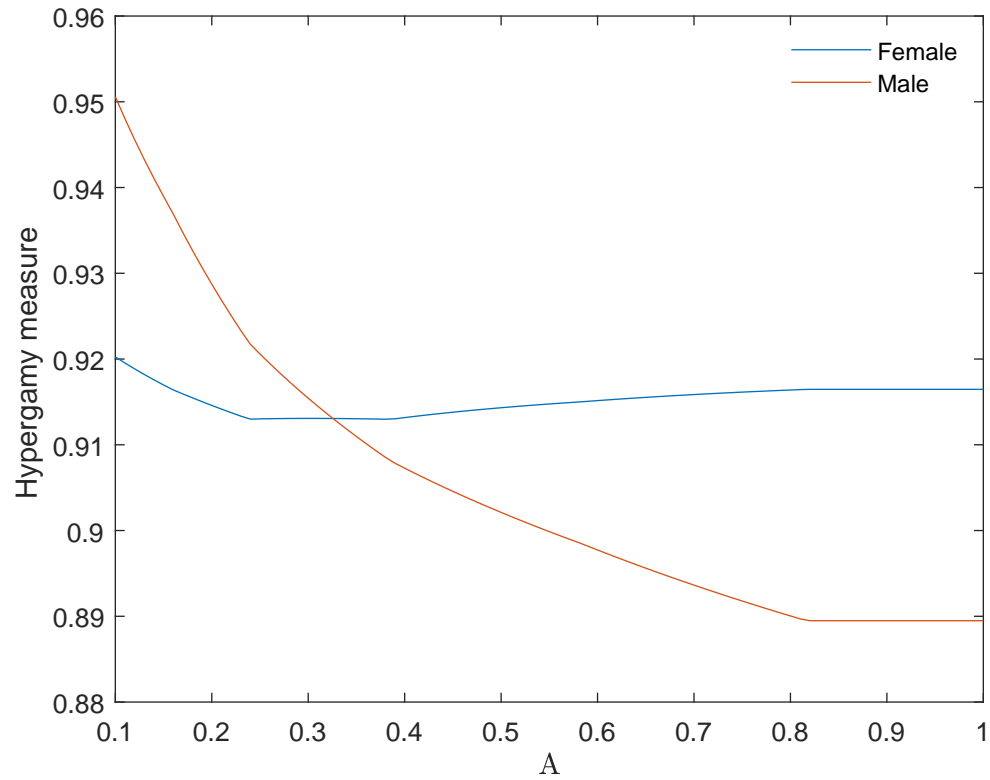


(a) Basis: only married people

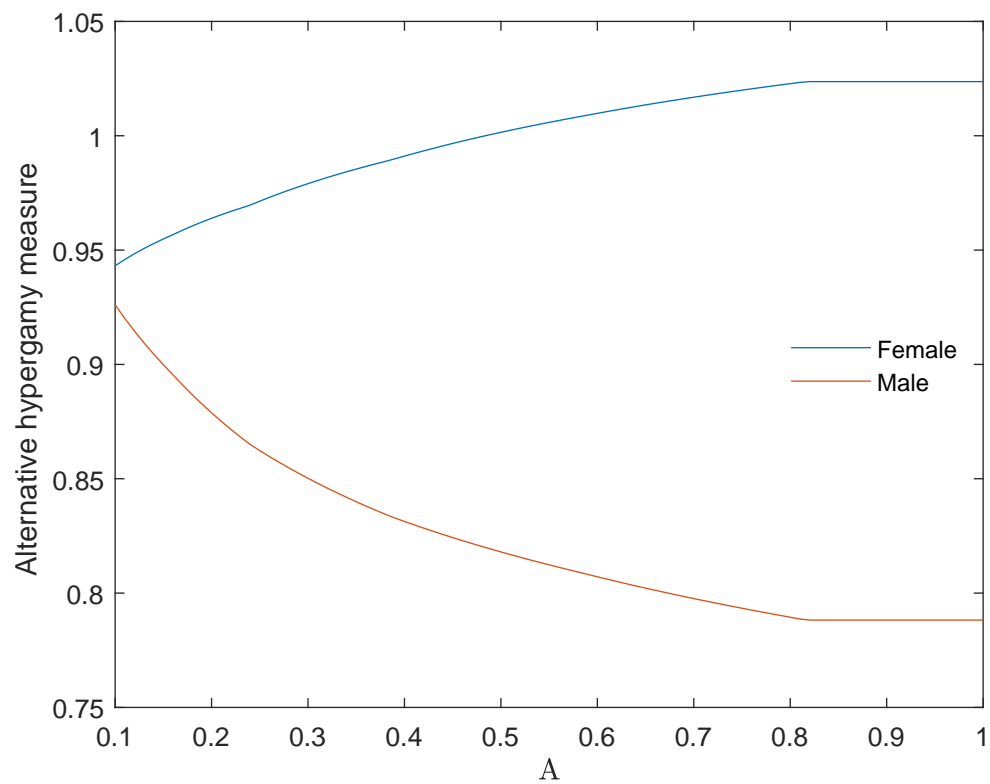


(b) Basis: all individuals

Figure 24: Hypergamy in education by sex



(a) Basis: only married people



(b) Basis: all individuals

Figure 25: Expected time to marriage

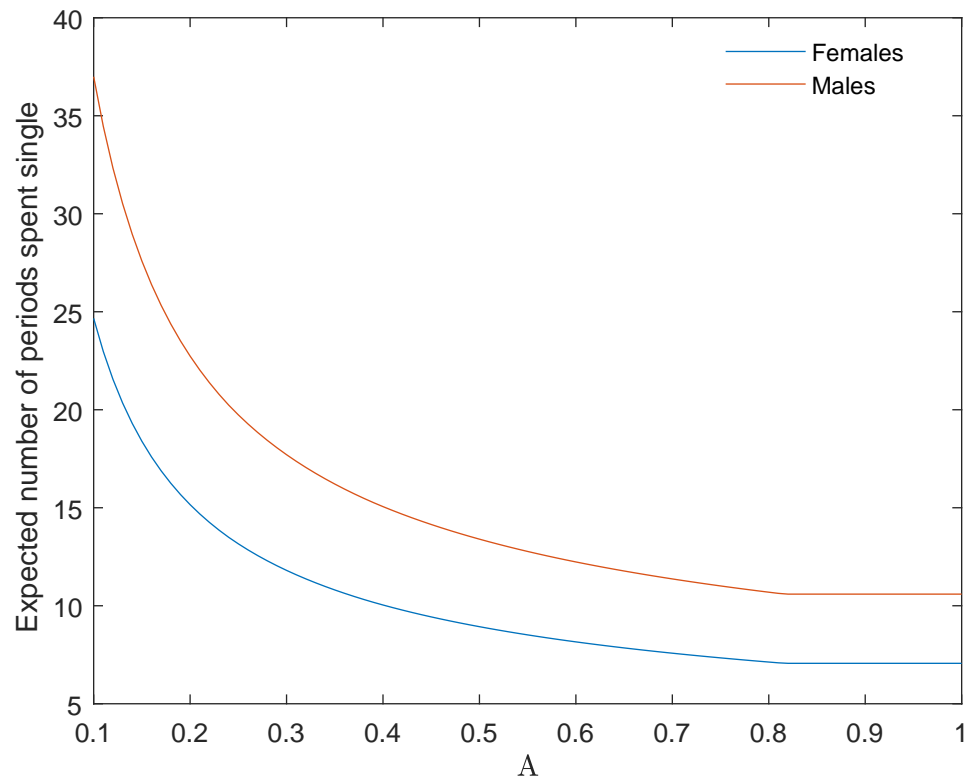


Figure 26: Married female labor supply

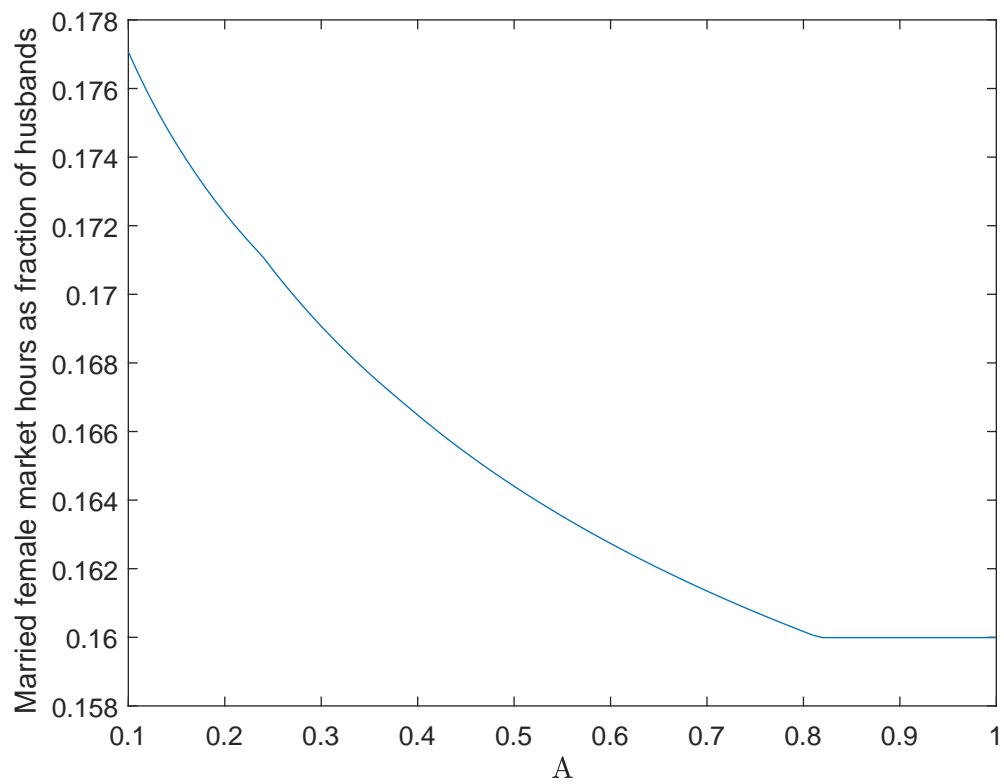
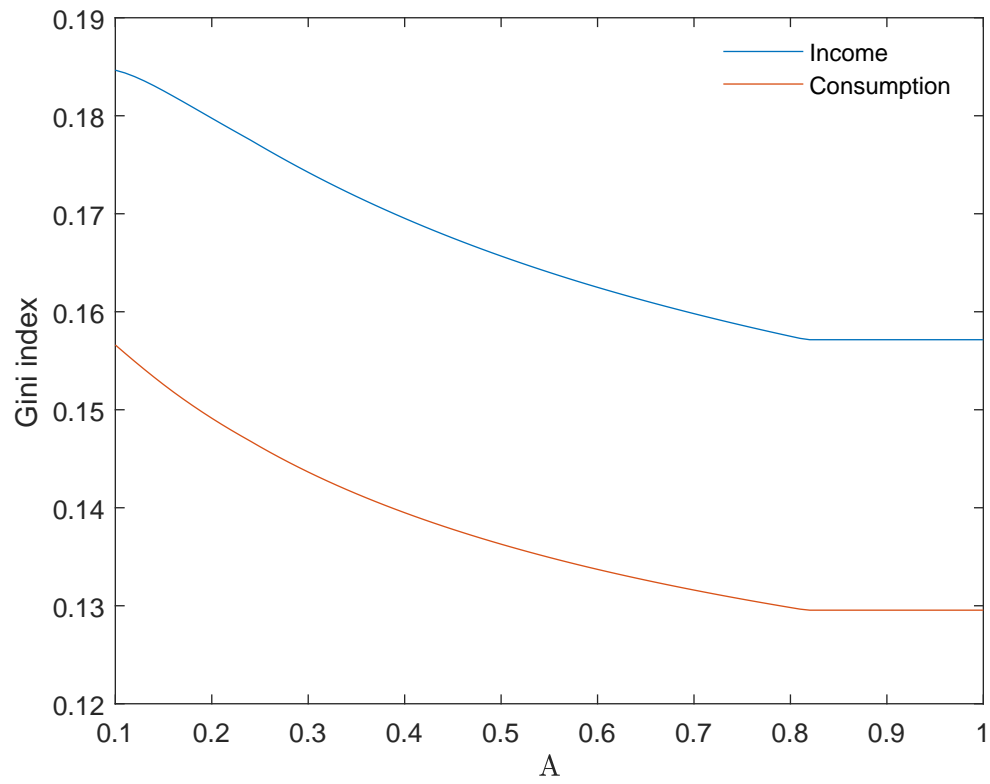


Figure 27: Inequality





## 4 Comparative statics on $\kappa$

### 4.1 Exercise 1

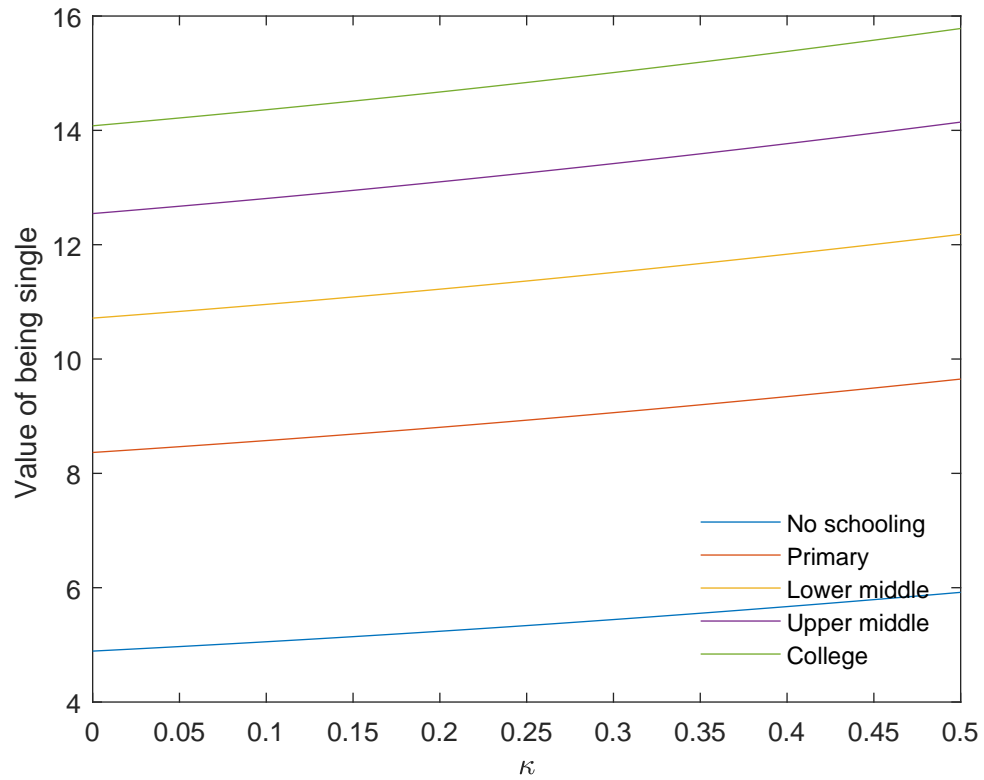
Table 4: Parameters for exercise 1

Parameter	Value
Periods per year	1,000
$\beta$	0,960
Life expectancy	45,000
$\delta$	0,022
$A$	0,500
$\alpha$	0,500
$\bar{c}$	0,500
$\lambda$	0,500
$\gamma$	1,500
$\theta_S$	1,500
Gender wage gap	0,750
Skill premium	0,250
General wage level	1,000

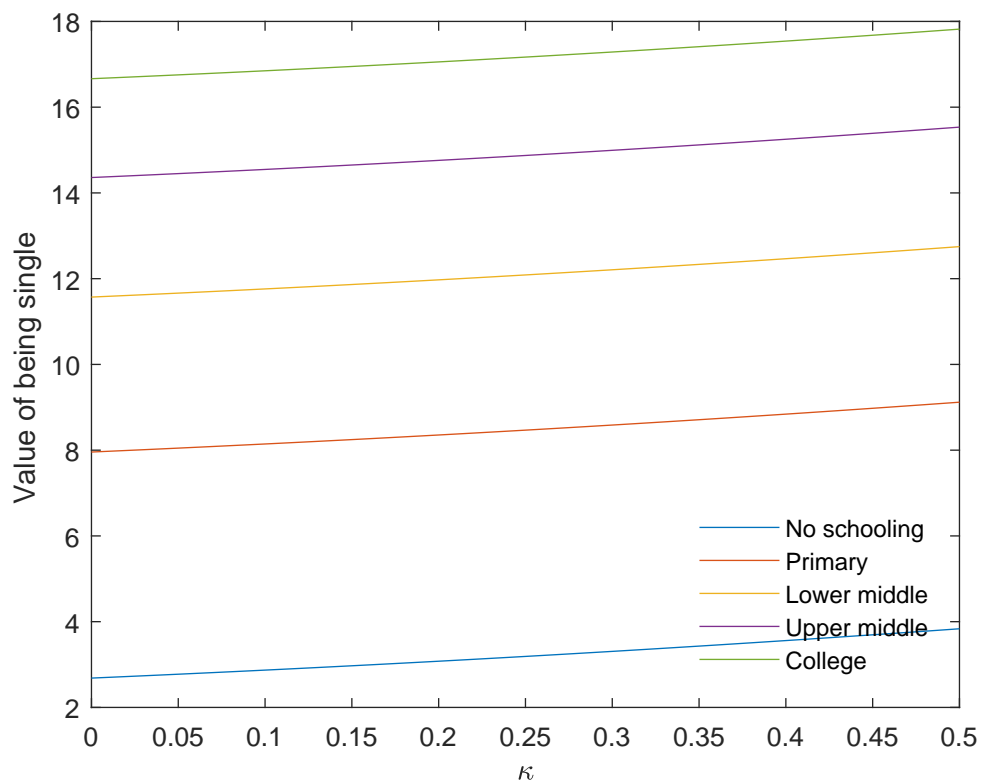
Notes:

1.

Figure 28: Value of being single



(a) Females



(b) Males

Figure 29: Matching probability by sex

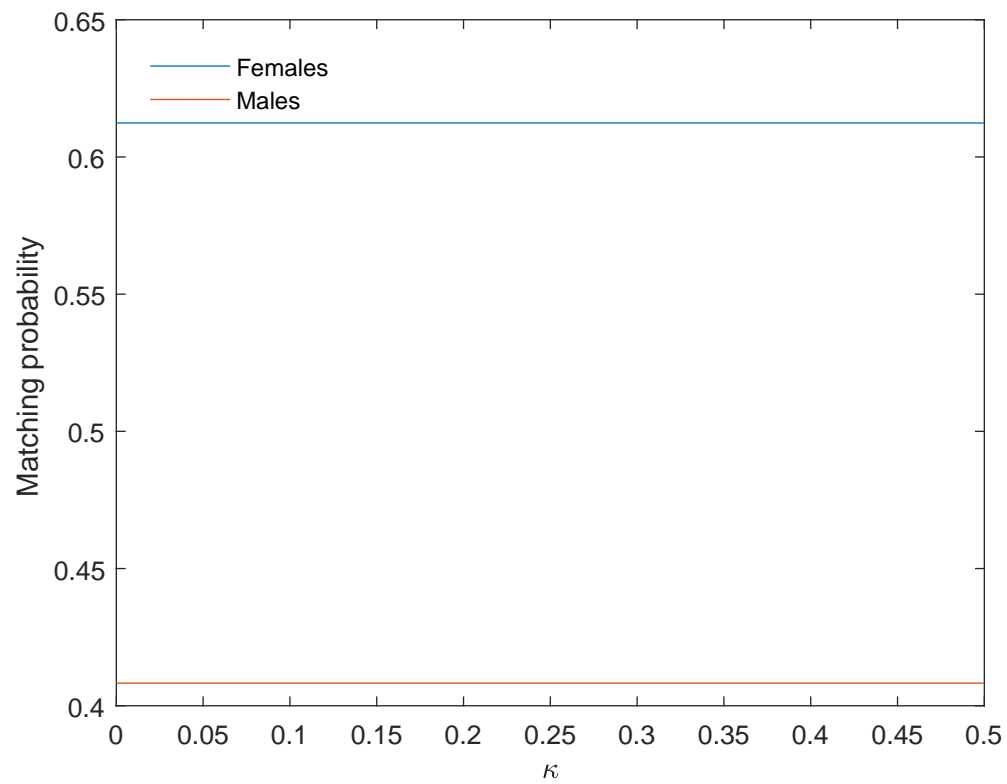


Figure 30: Marriage rates by sex

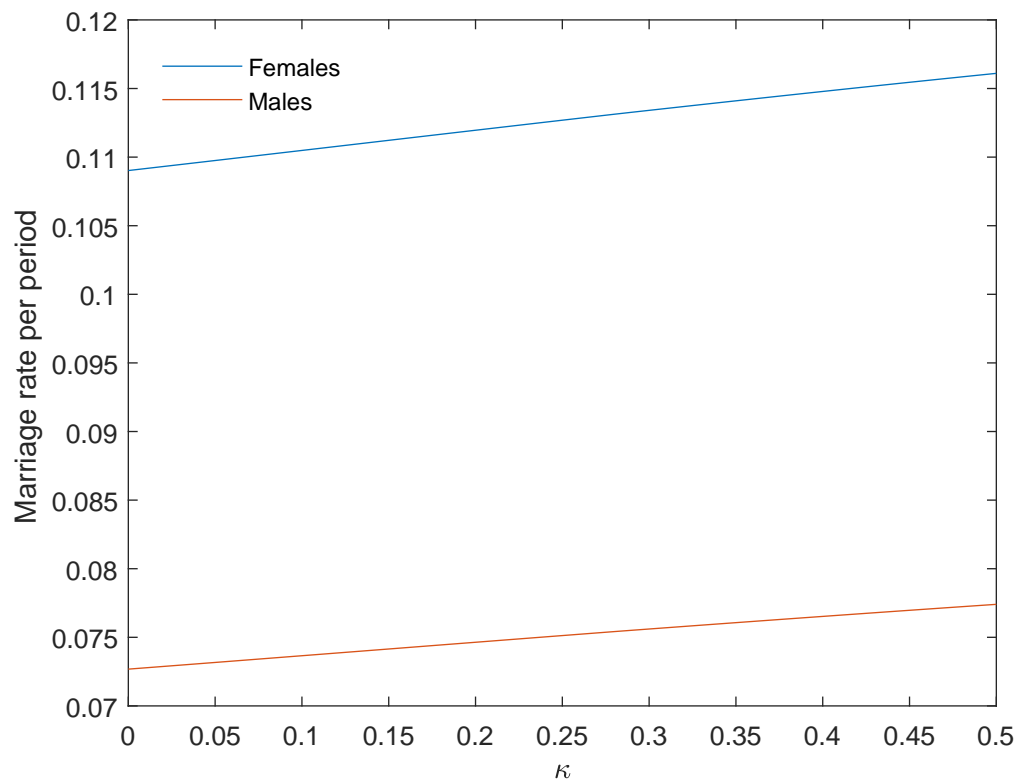
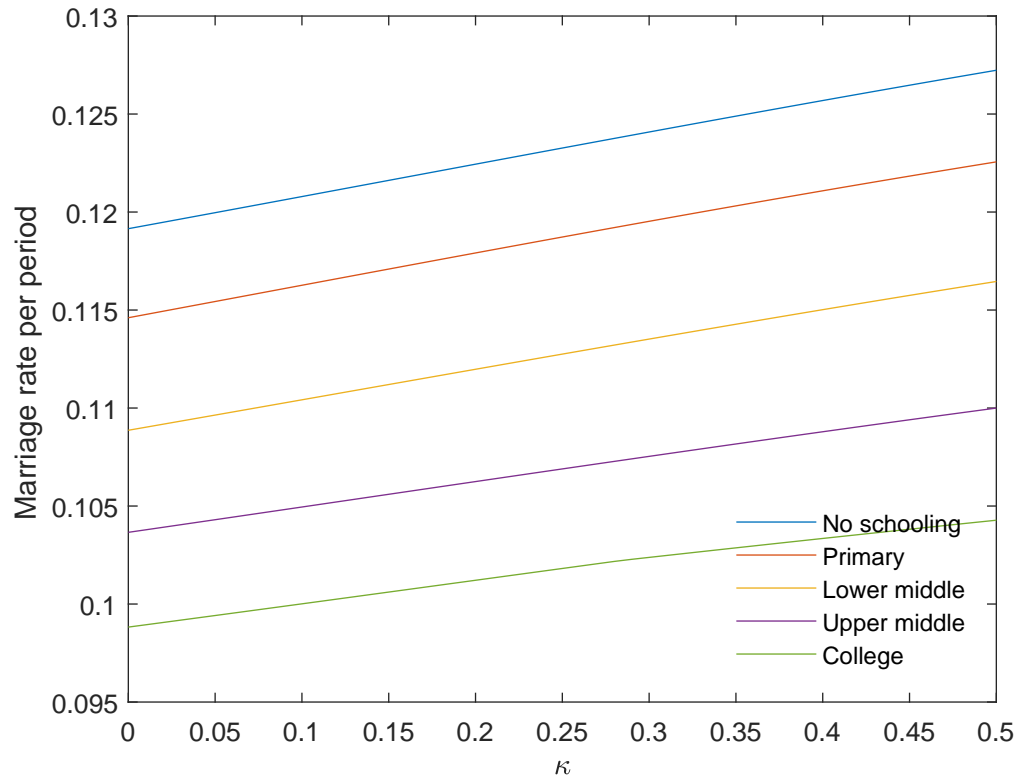
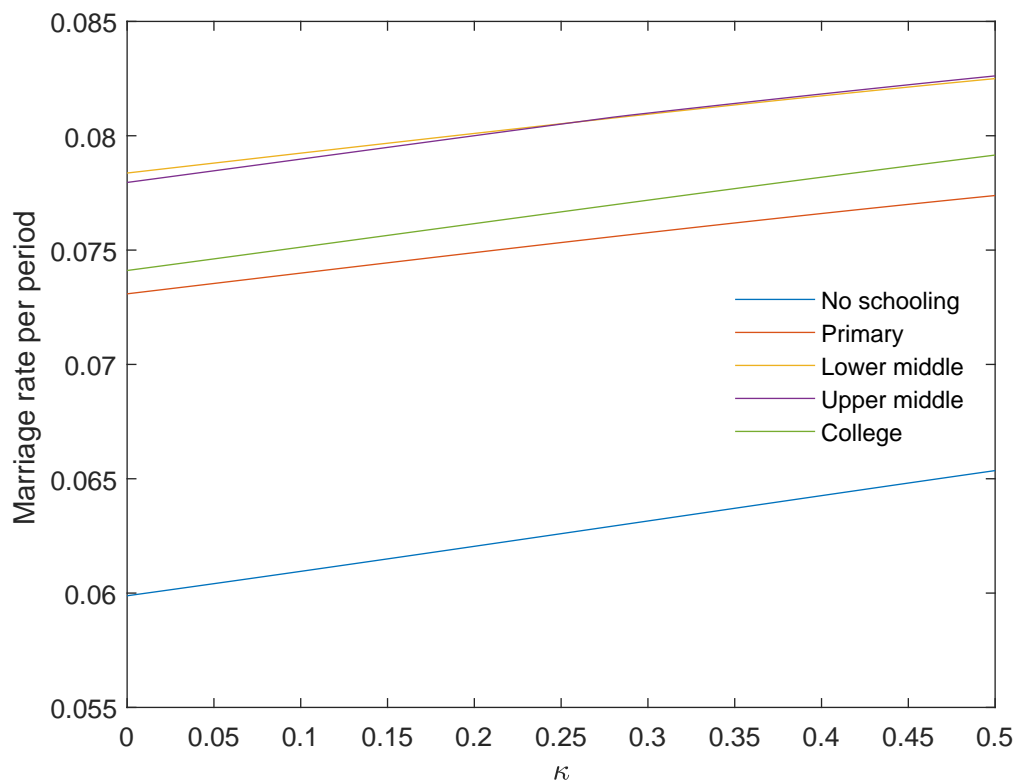


Figure 31: Marriage rates by education level

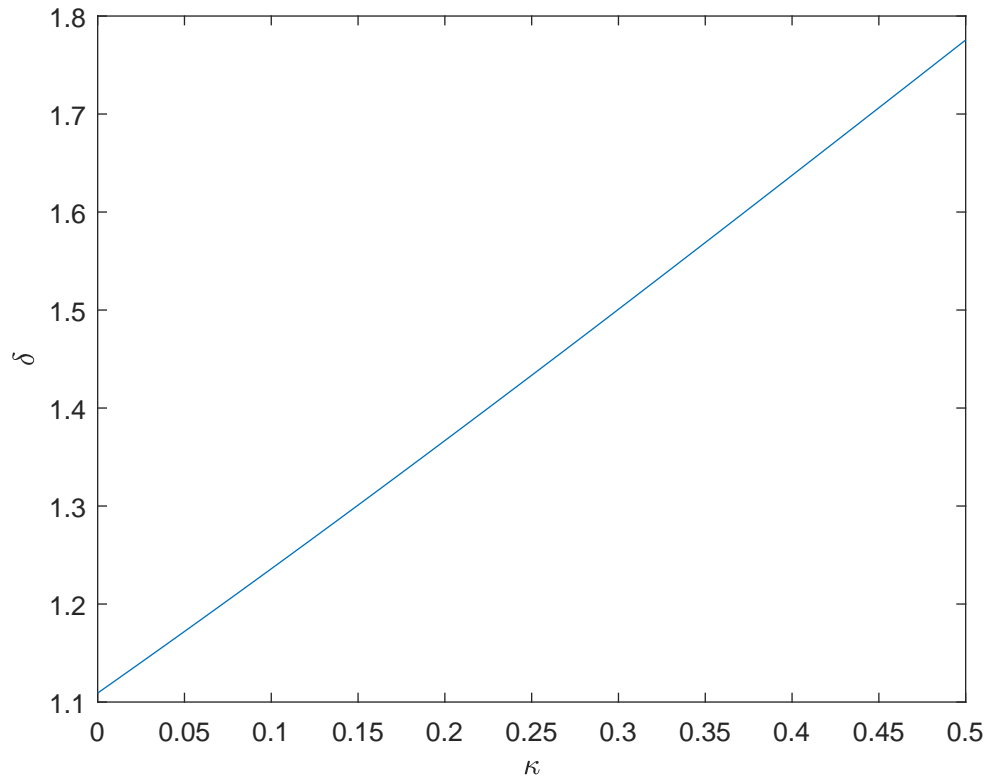


(a) Females

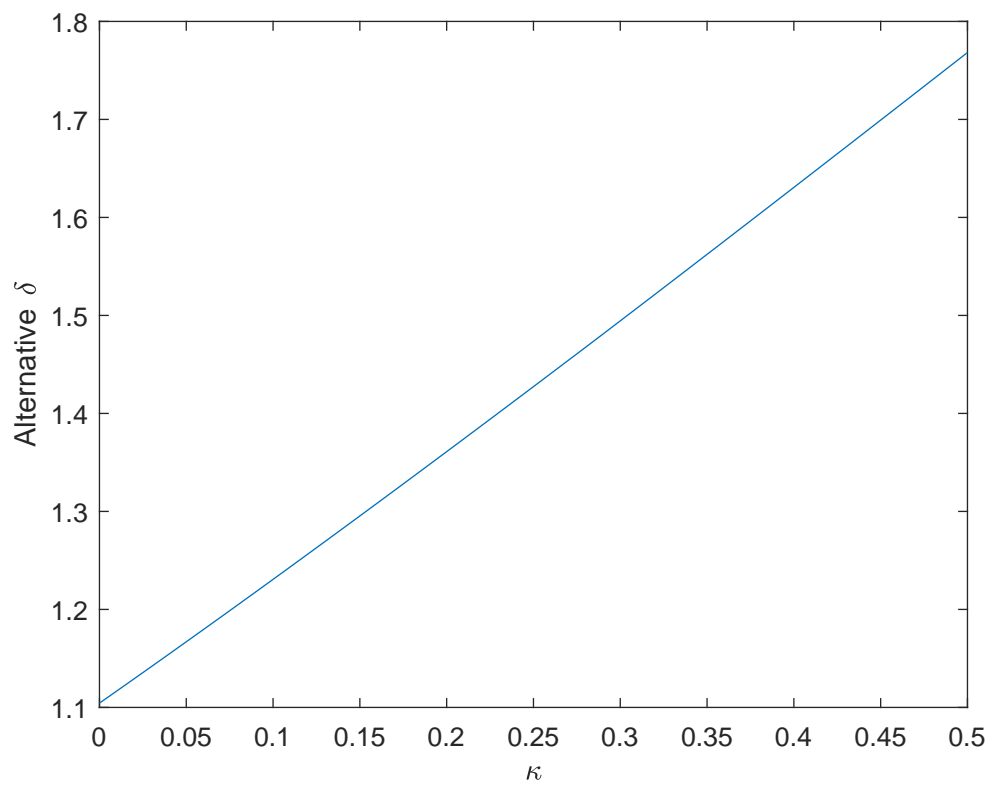


(b) Males

Figure 32: Marital sorting in education

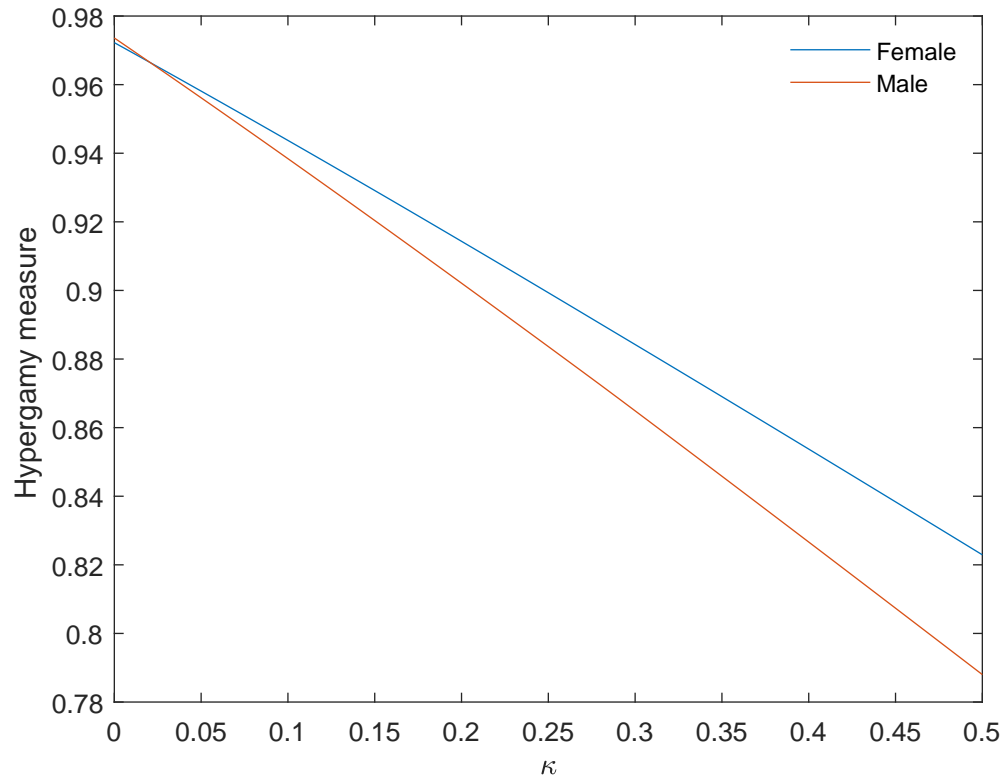


(a) Basis: only married people

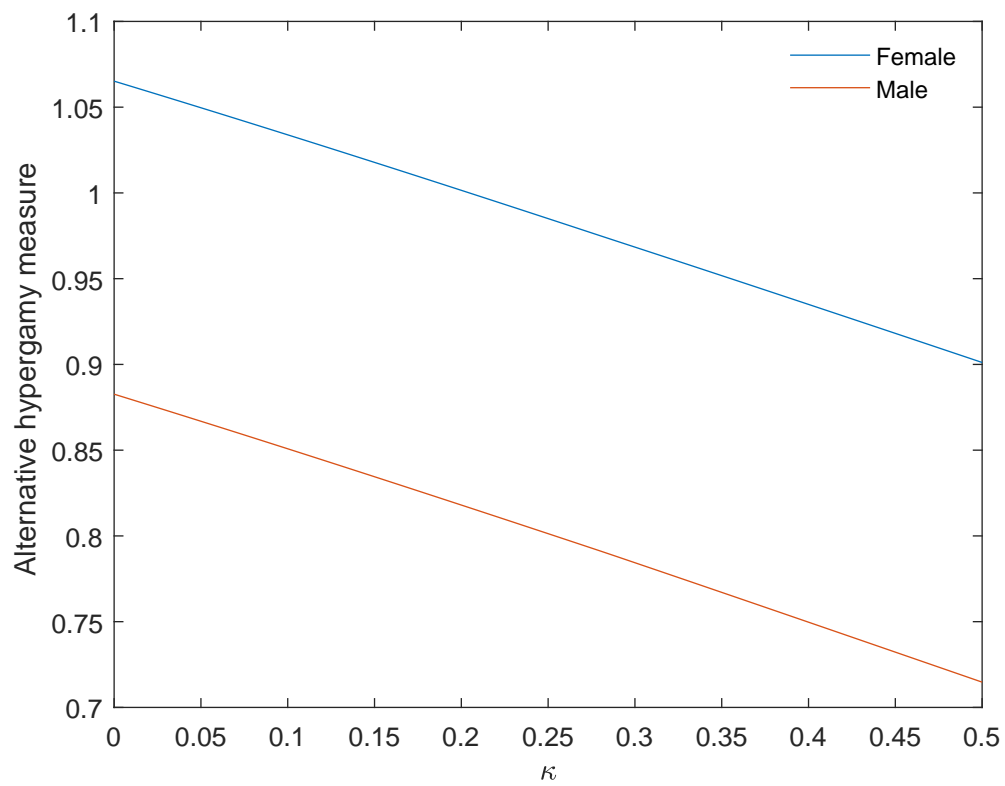


(b) Basis: all individuals

Figure 33: Hypergamy in education by sex



(a) Basis: only married people



(b) Basis: all individuals

Figure 34: Expected time to marriage

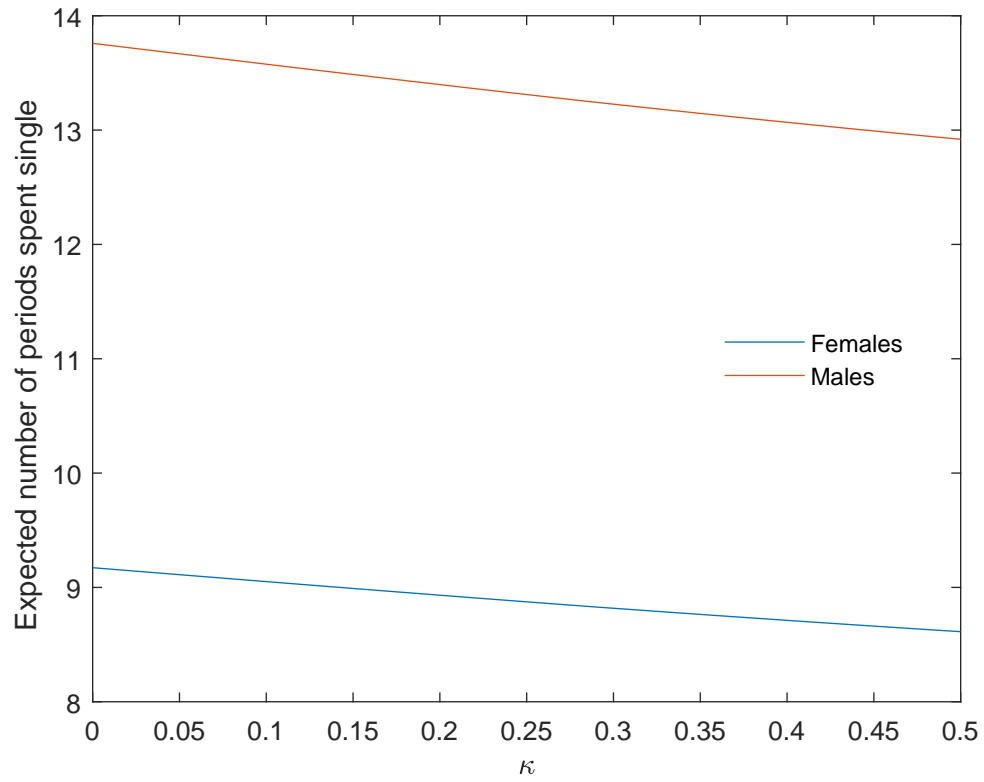


Figure 35: Married female labor supply

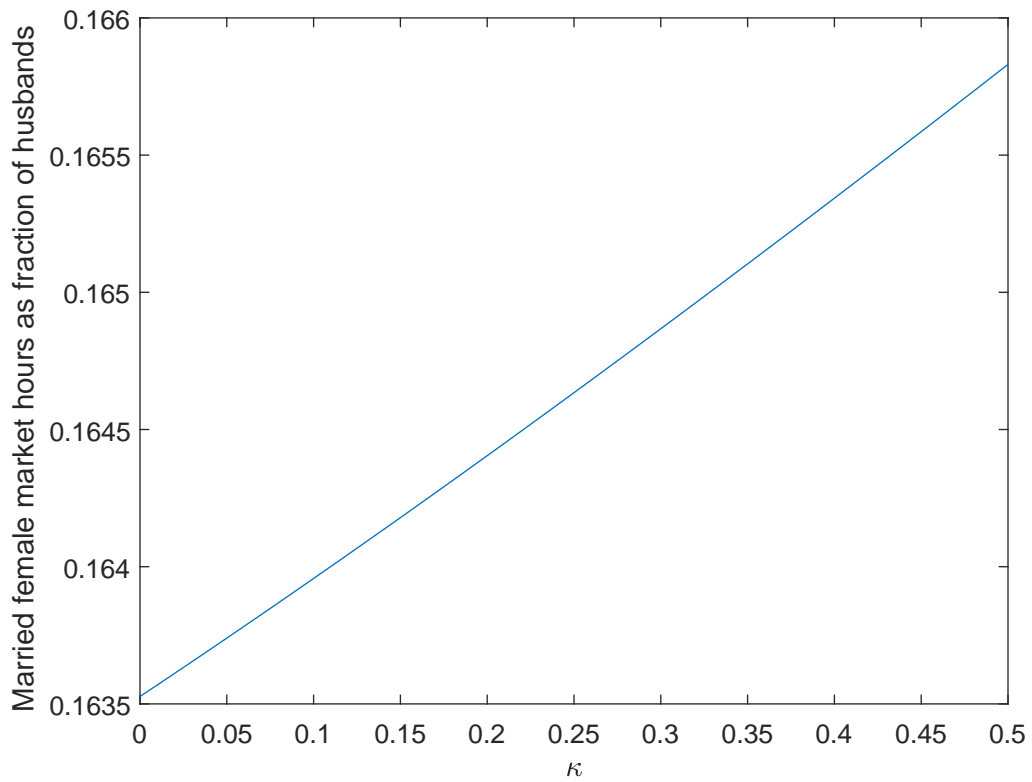
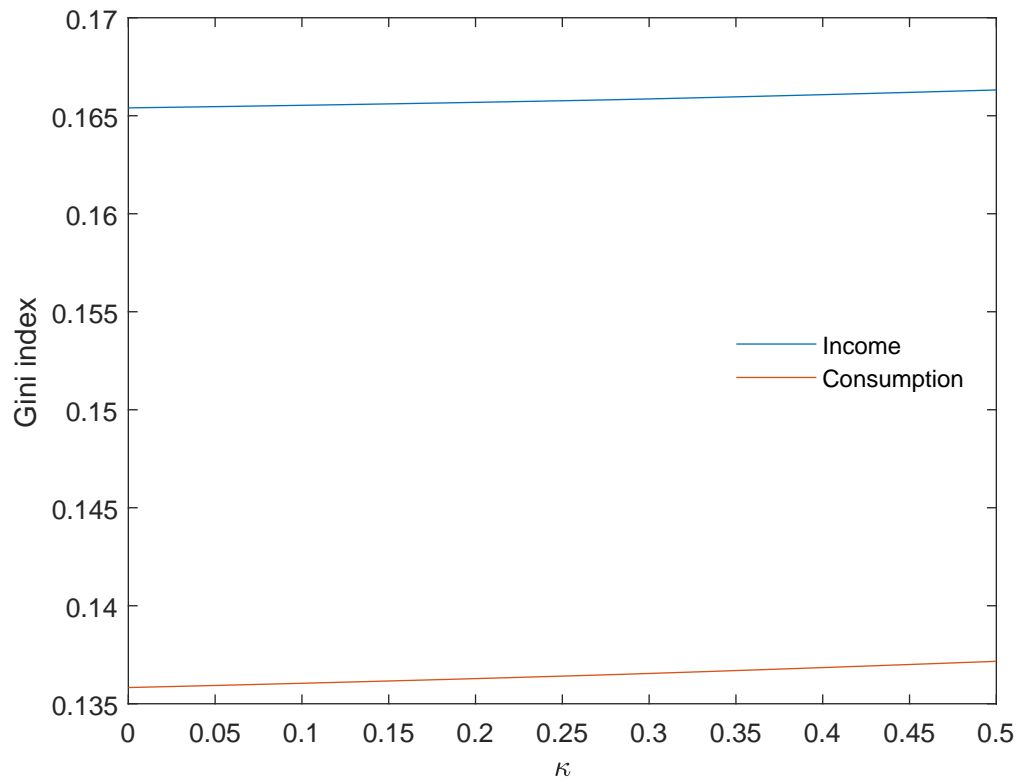


Figure 36: Inequality





## 5 Comparative statics on $\bar{c}$

### 5.1 Exercise 1

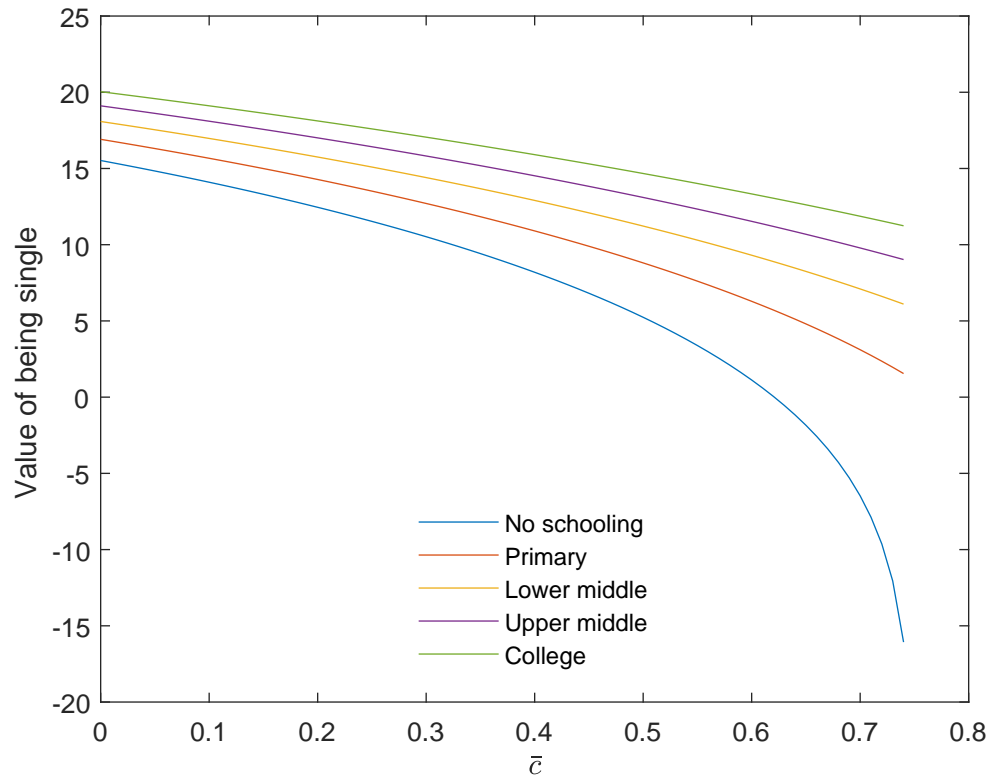
Table 5: Parameters for exercise 1

Parameter	Value
Periods per year	1,000
$\beta$	0,960
Life expectancy	45,000
$\delta$	0,022
$A$	0,500
$\alpha$	0,500
$\kappa$	0,200
$\lambda$	0,500
$\gamma$	1,500
$\theta_S$	1,500
Gender wage gap	0,750
Skill premium	0,250
General wage level	1,000

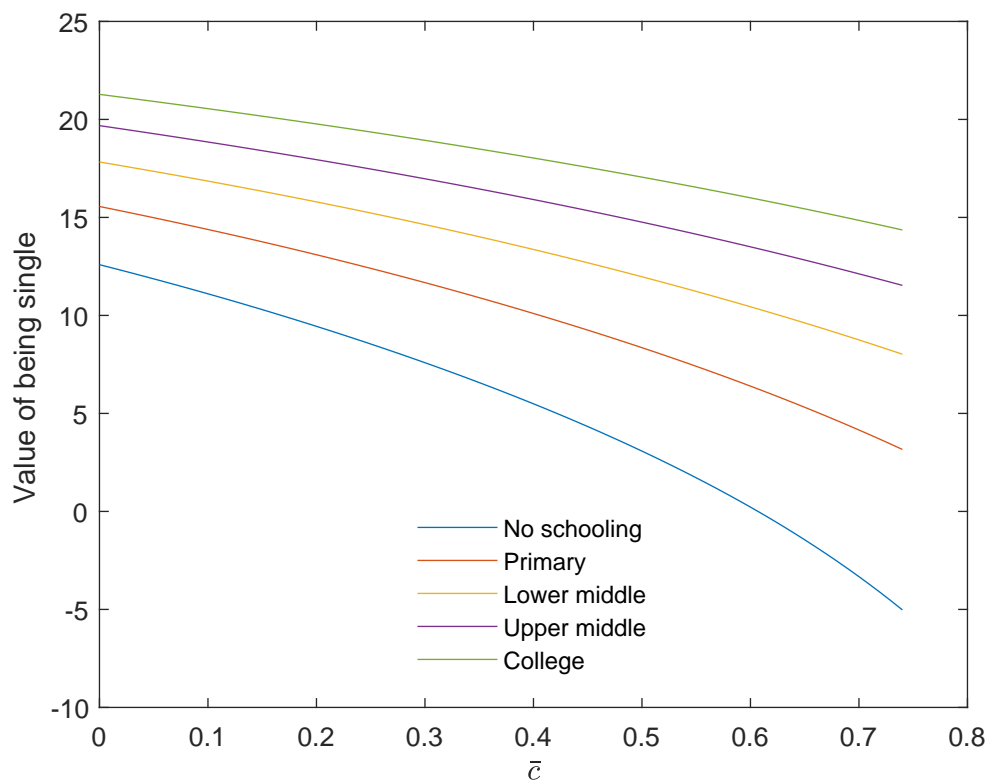
Notes:

1.

Figure 37: Value of being single



(a) Females



(b) Males

Figure 38: Matching probability by sex

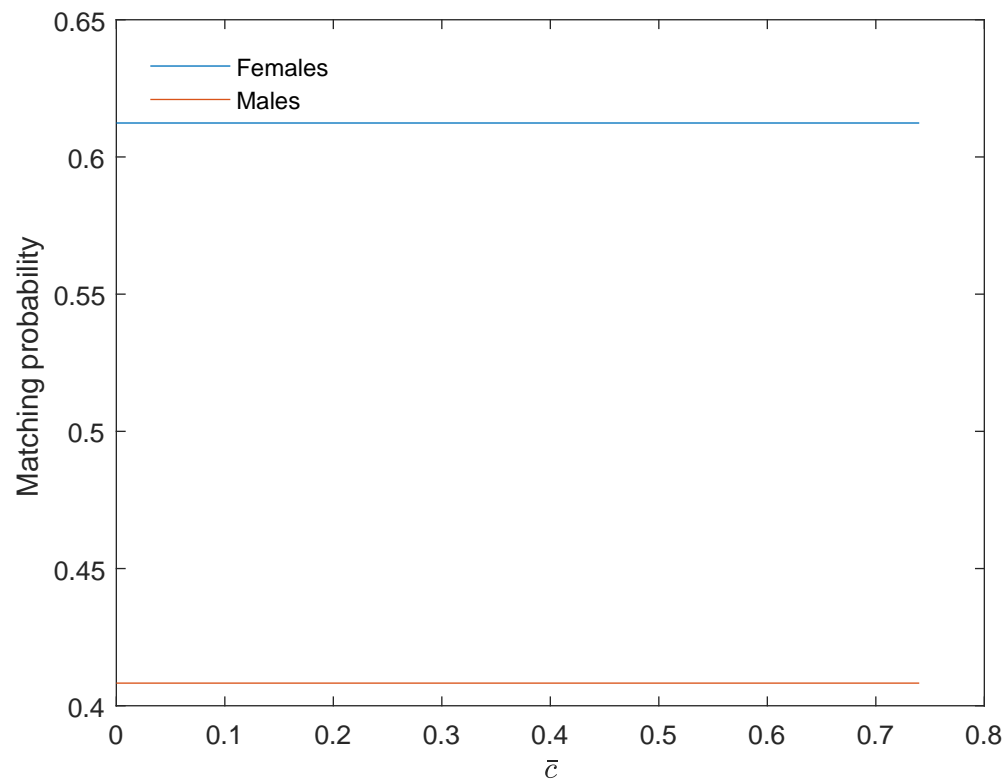


Figure 39: Marriage rates by sex

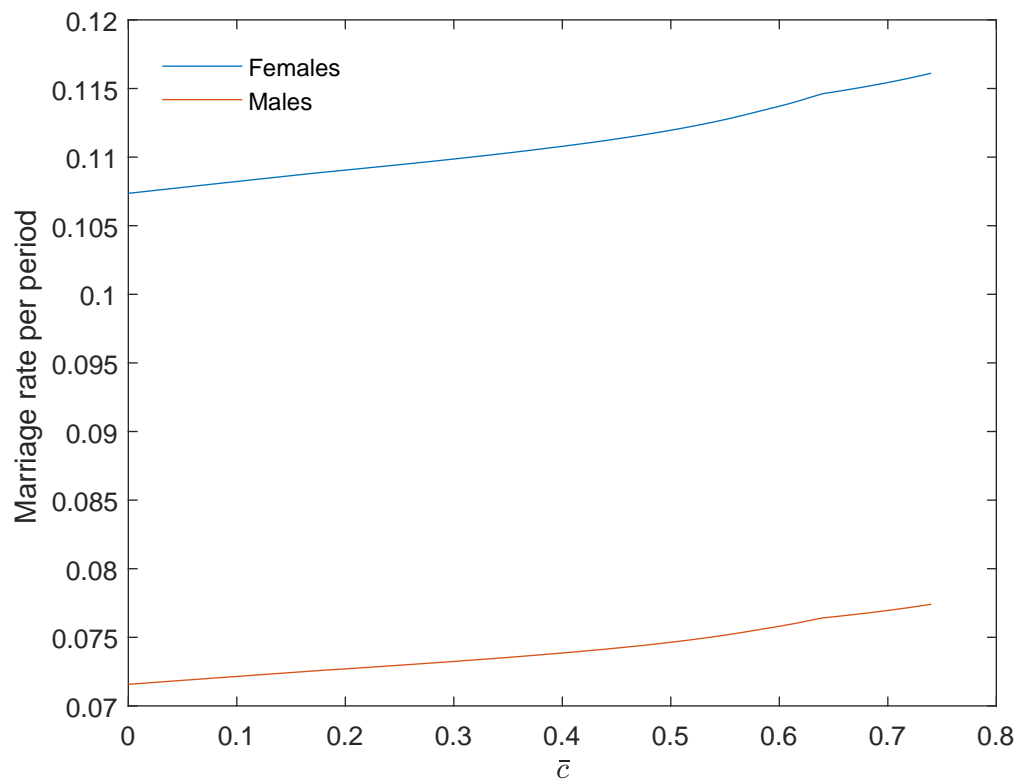
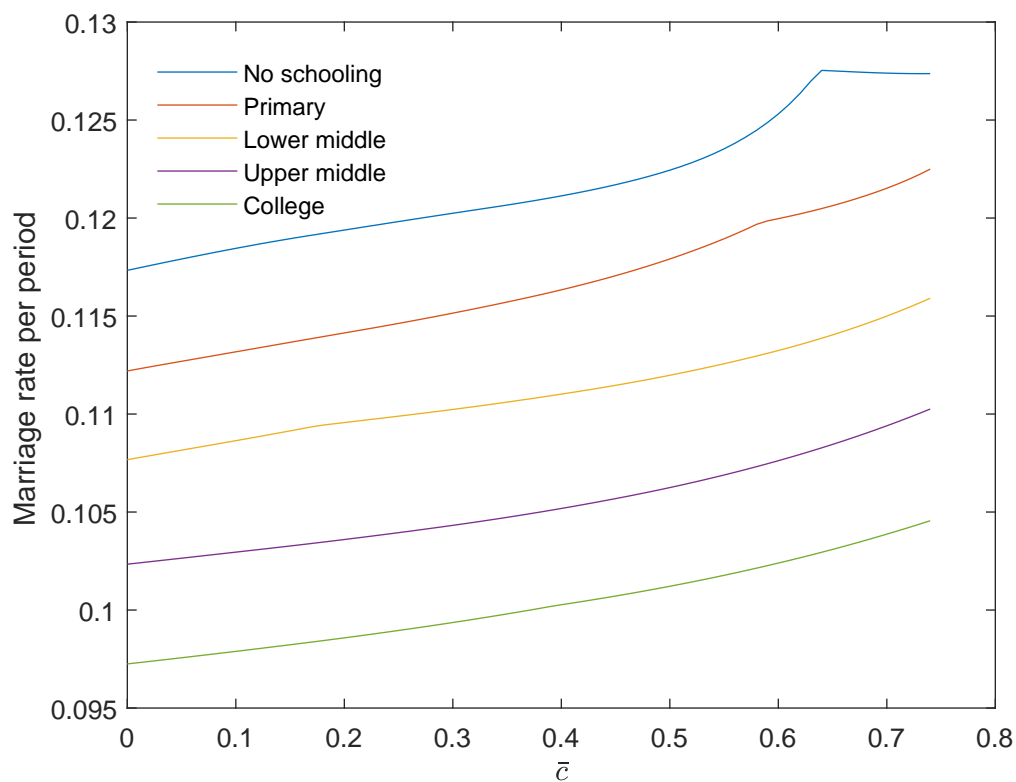
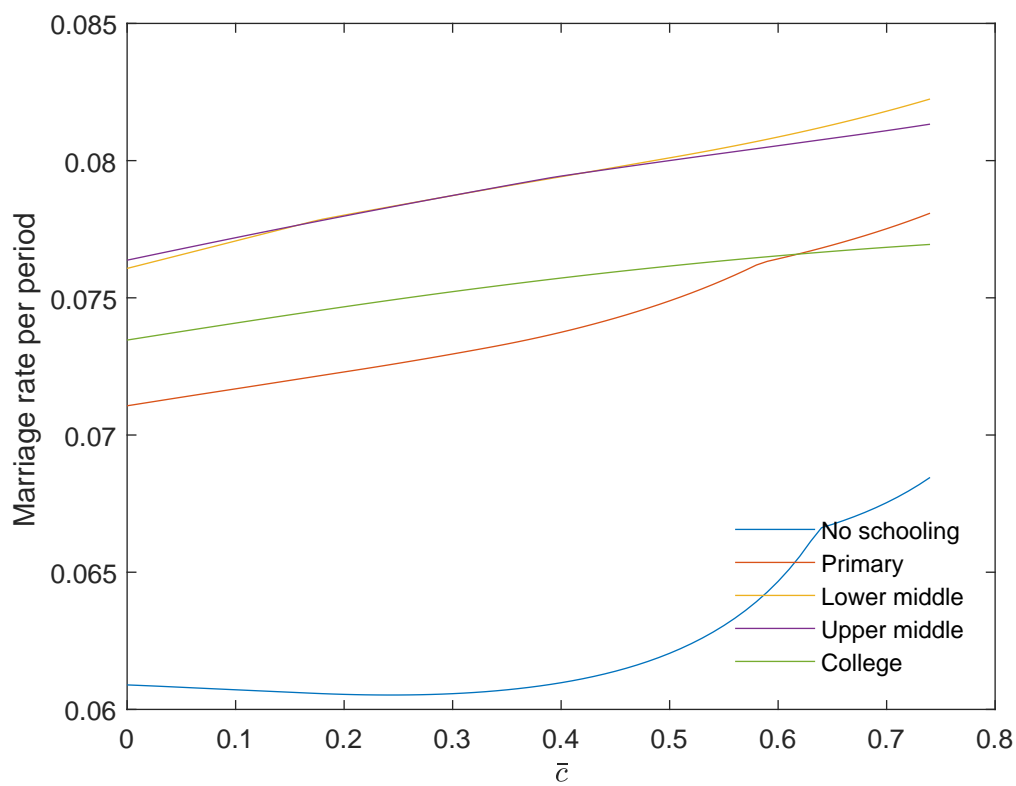


Figure 40: Marriage rates by education level

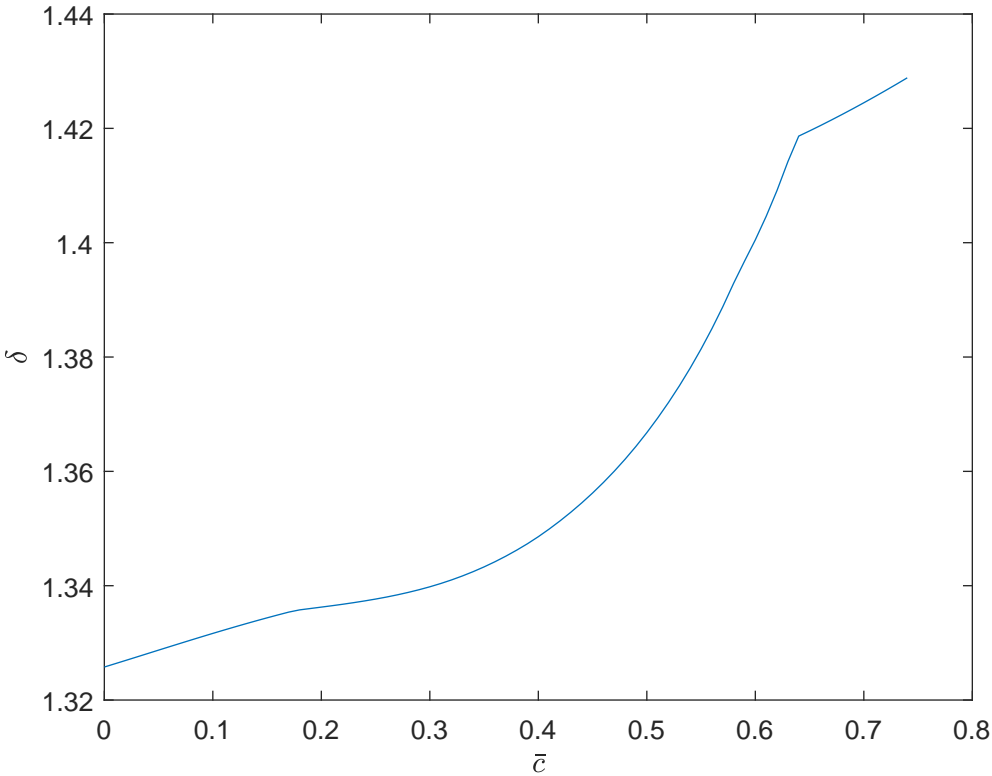


(a) Females

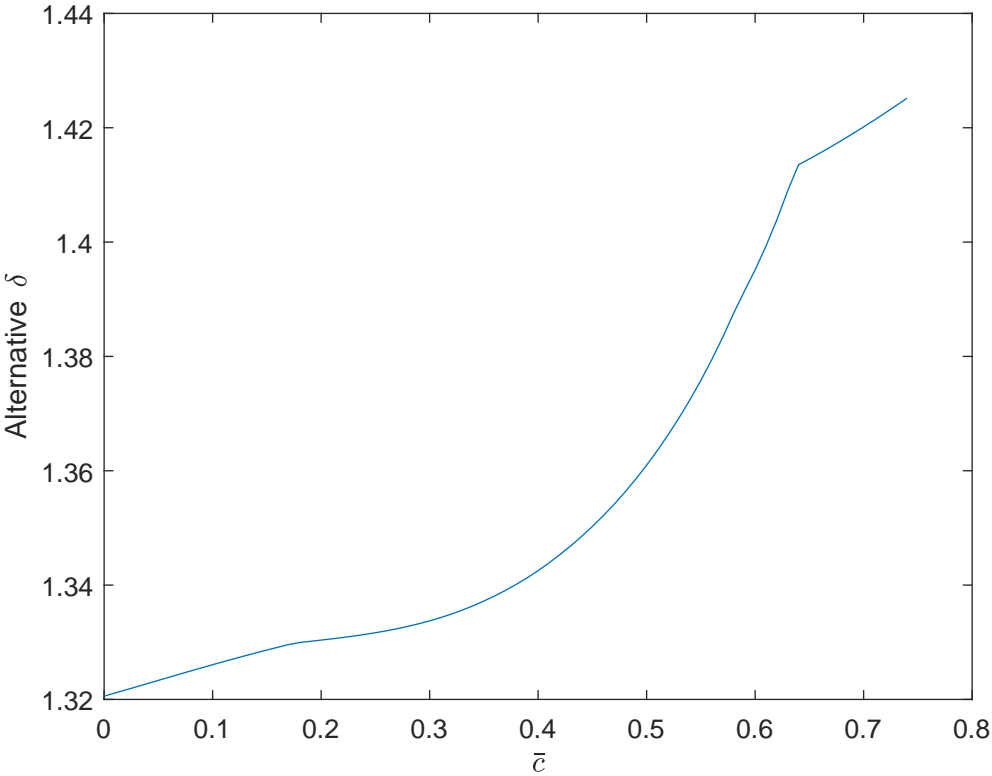


(b) Males

Figure 41: Marital sorting in education

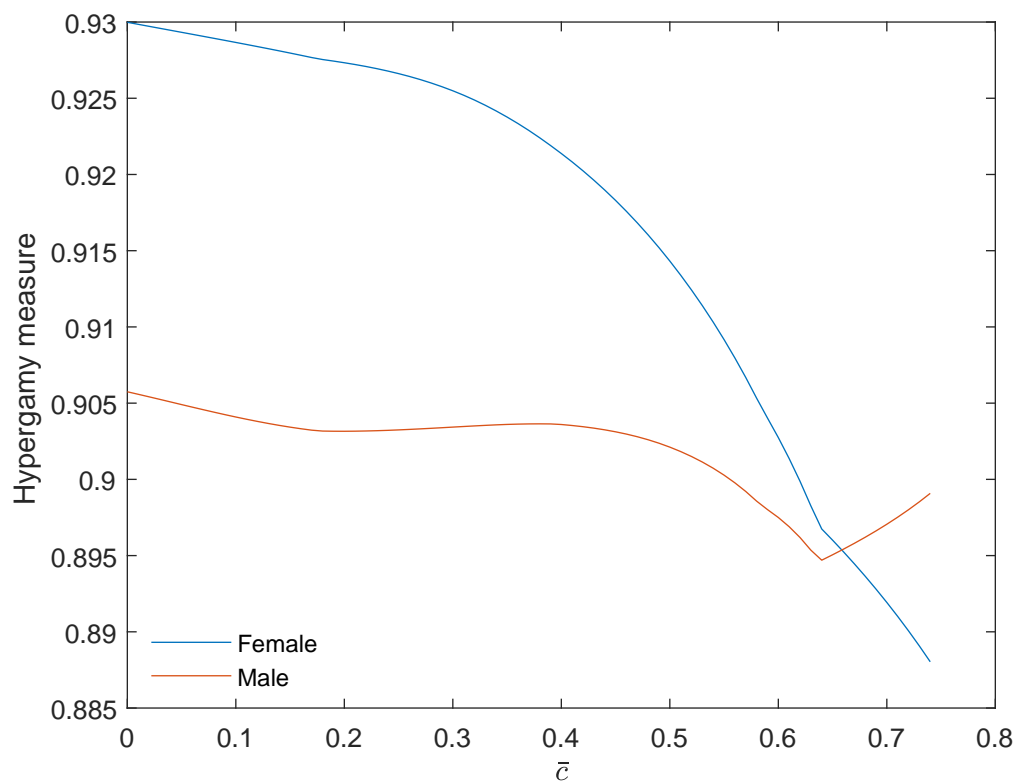


(a) Basis: only married people

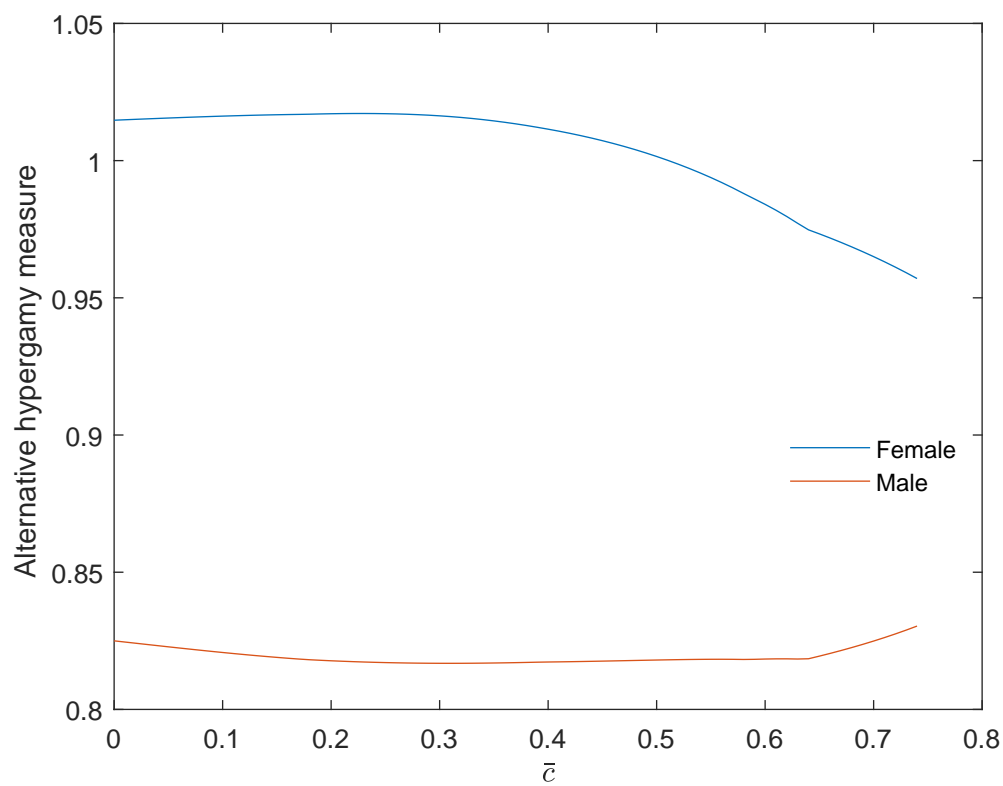


(b) Basis: all individuals

Figure 42: Hypergamy in education by sex



(a) Basis: only married people



(b) Basis: all individuals

Figure 43: Expected time to marriage

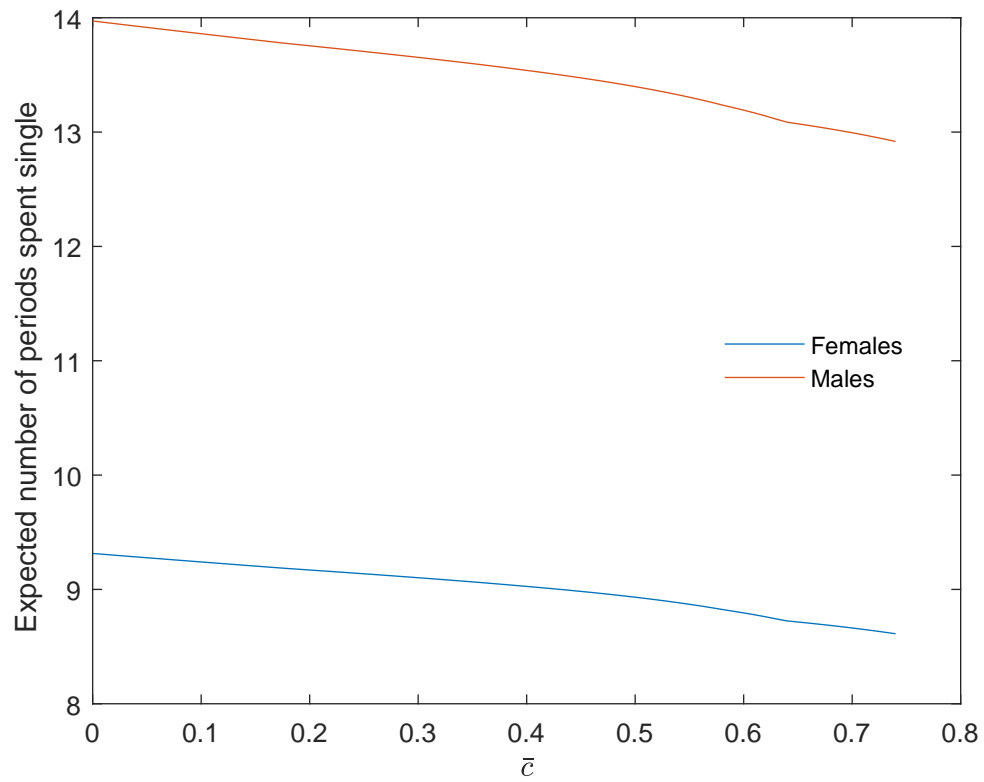


Figure 44: Married female labor supply

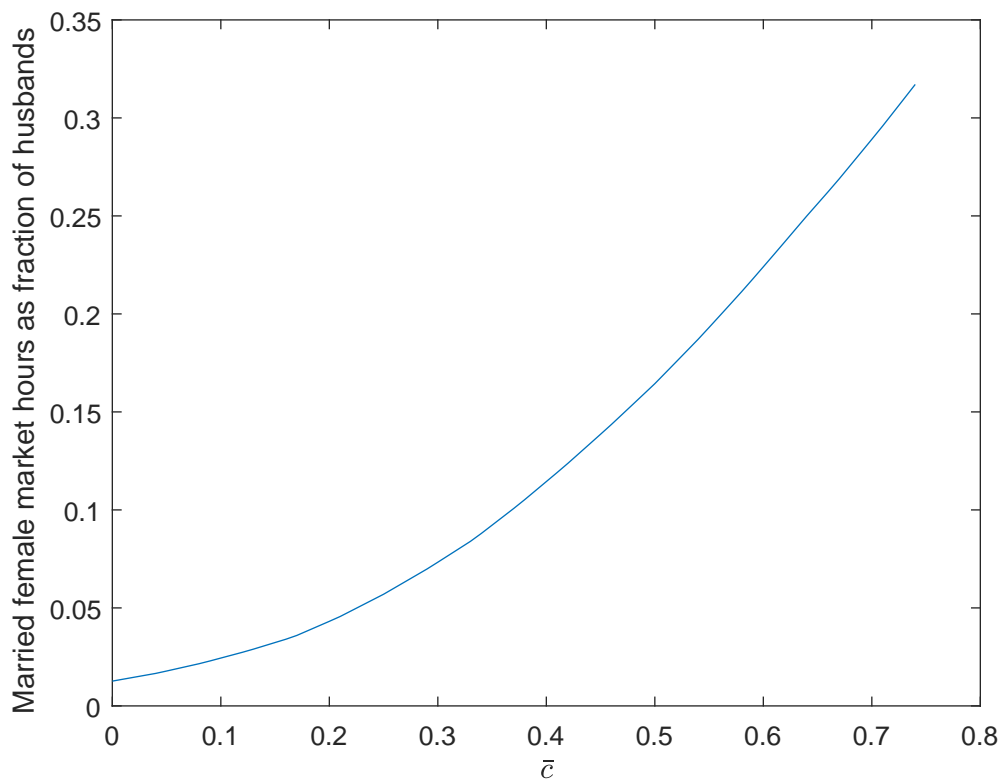
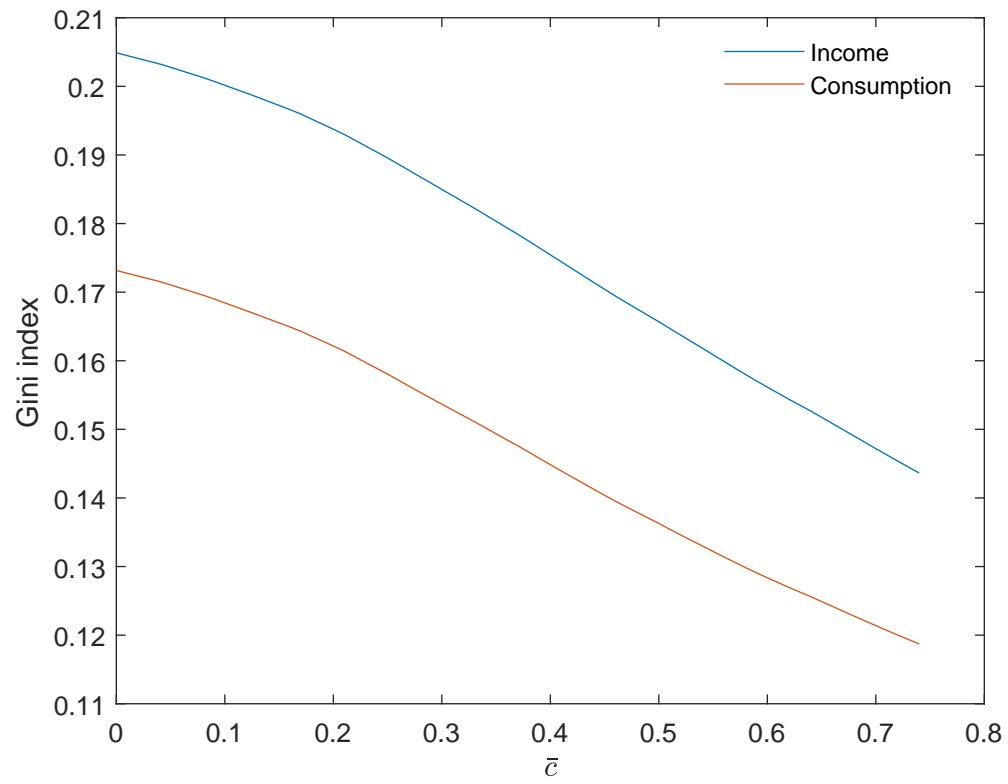


Figure 45: Inequality





## 6 Comparative statics on $\lambda$

### 6.1 Exercise 1

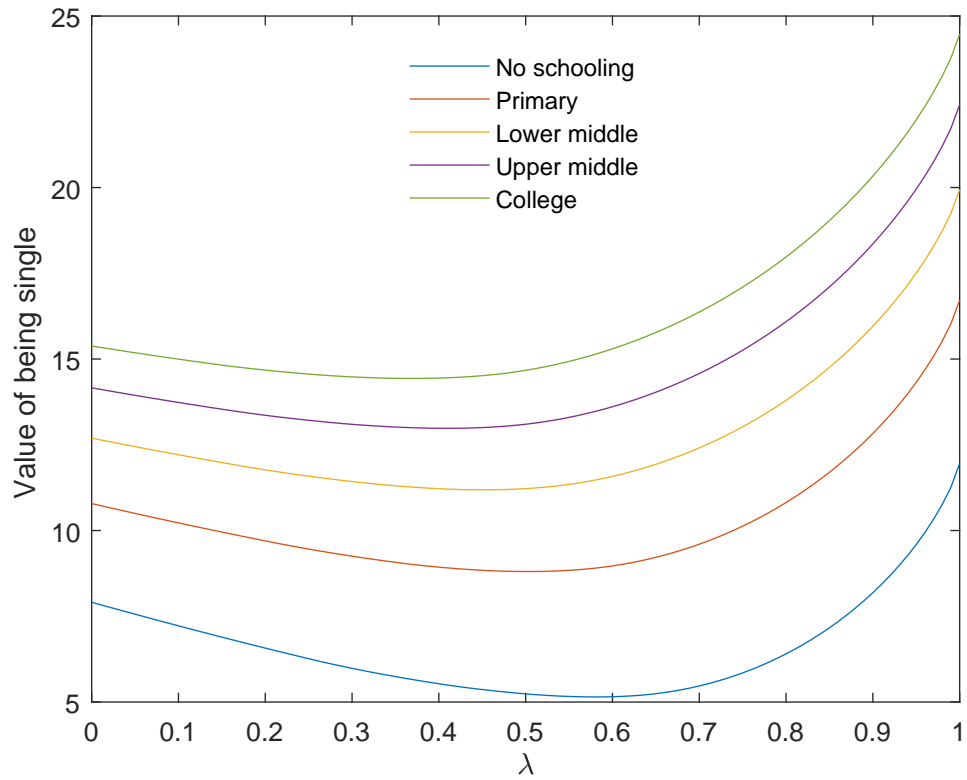
Table 6: Parameters for exercise 1

Parameter	Value
Periods per year	1,000
$\beta$	0,960
Life expectancy	45,000
$\delta$	0,022
$A$	0,500
$\alpha$	0,500
$\kappa$	0,200
$\bar{c}$	0,500
$\gamma$	1,500
$\theta_S$	1,500
Gender wage gap	0,750
Skill premium	0,250
General wage level	1,000

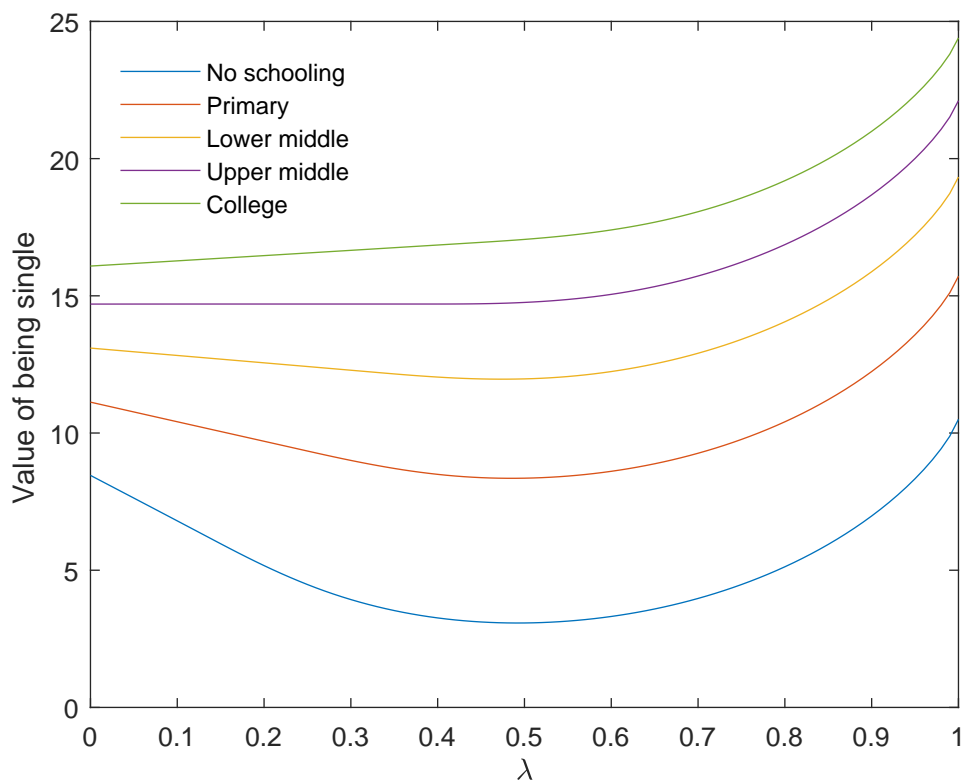
Notes:

1.

Figure 46: Value of being single



(a) Females



(b) Males

Figure 47: Matching probability by sex

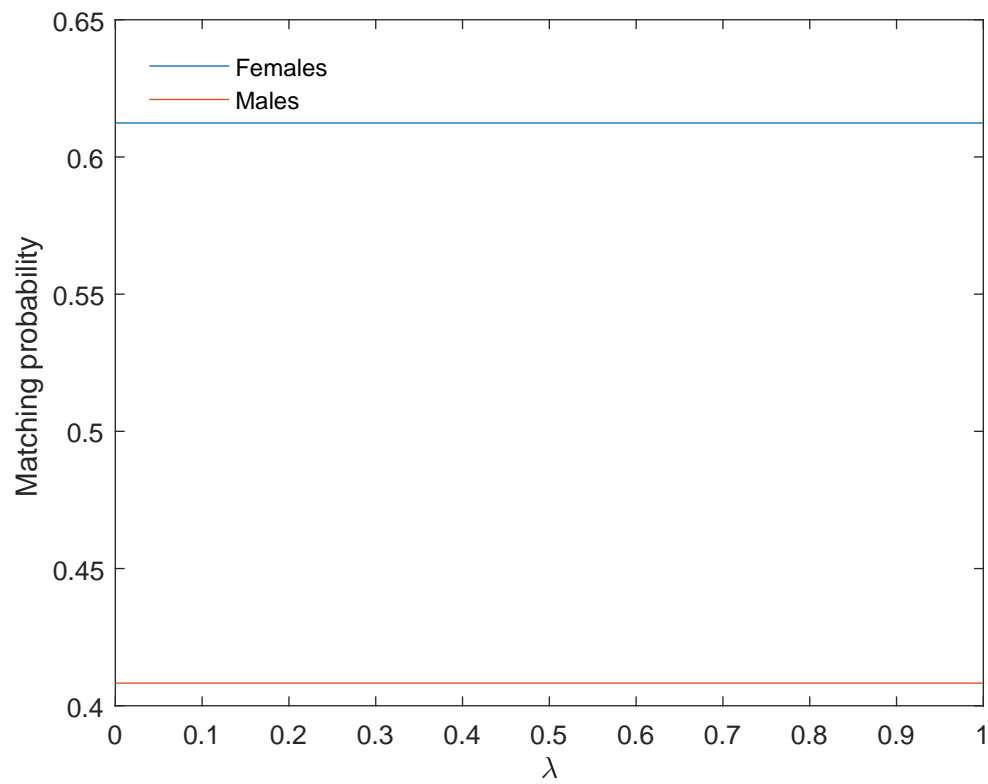


Figure 48: Marriage rates by sex

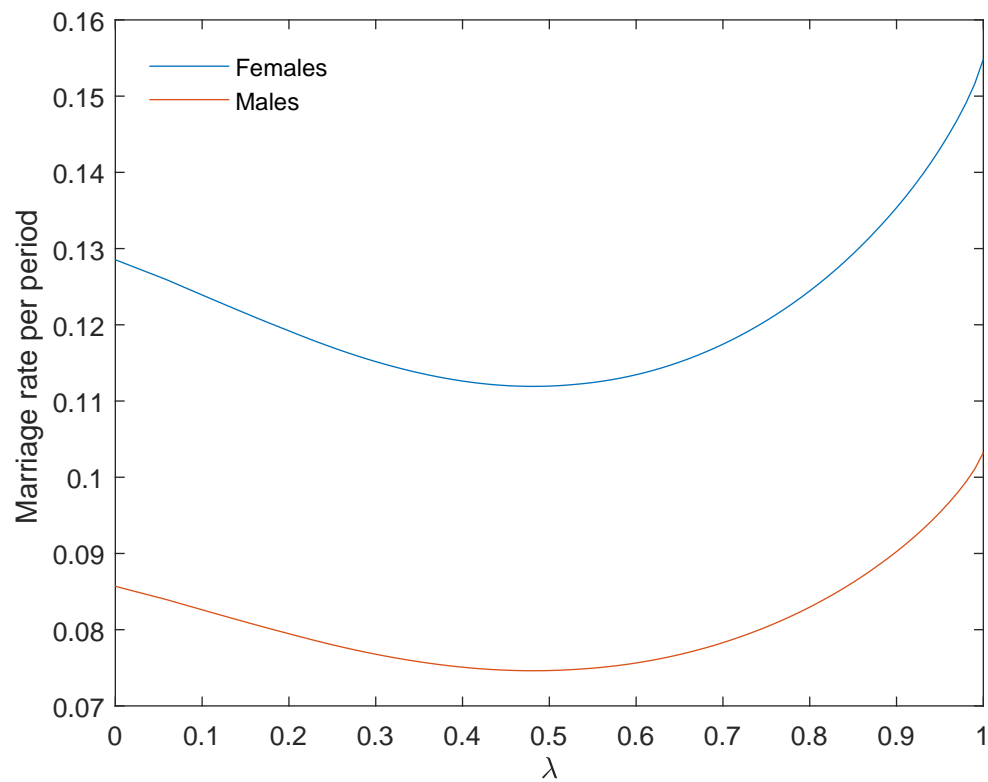
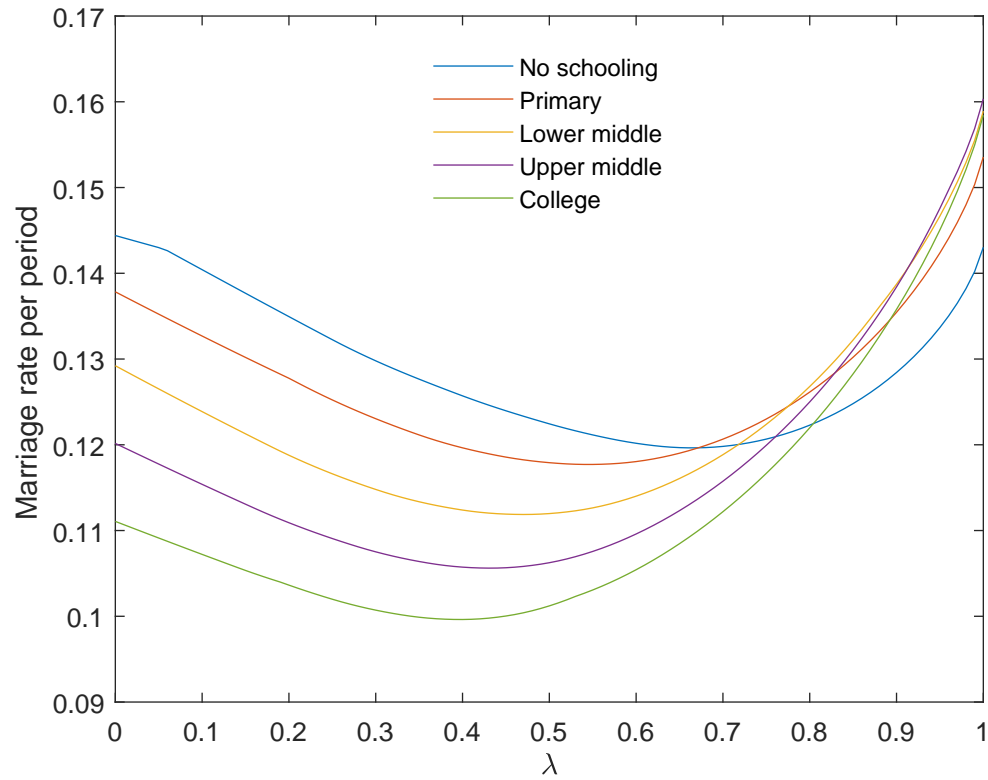
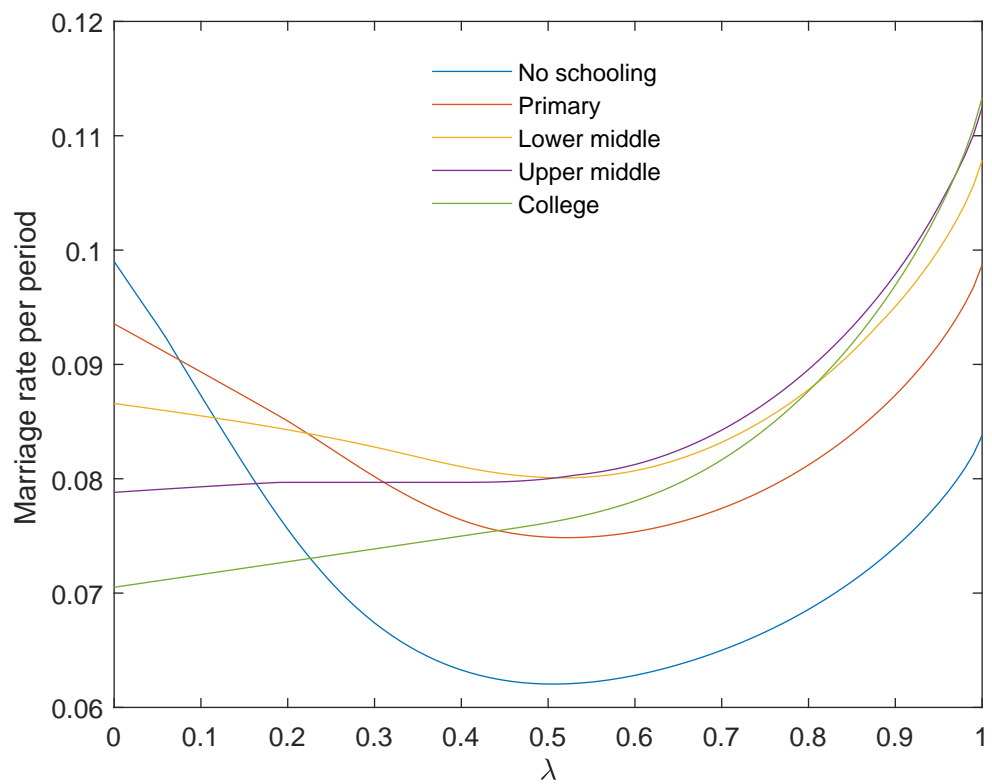


Figure 49: Marriage rates by education level

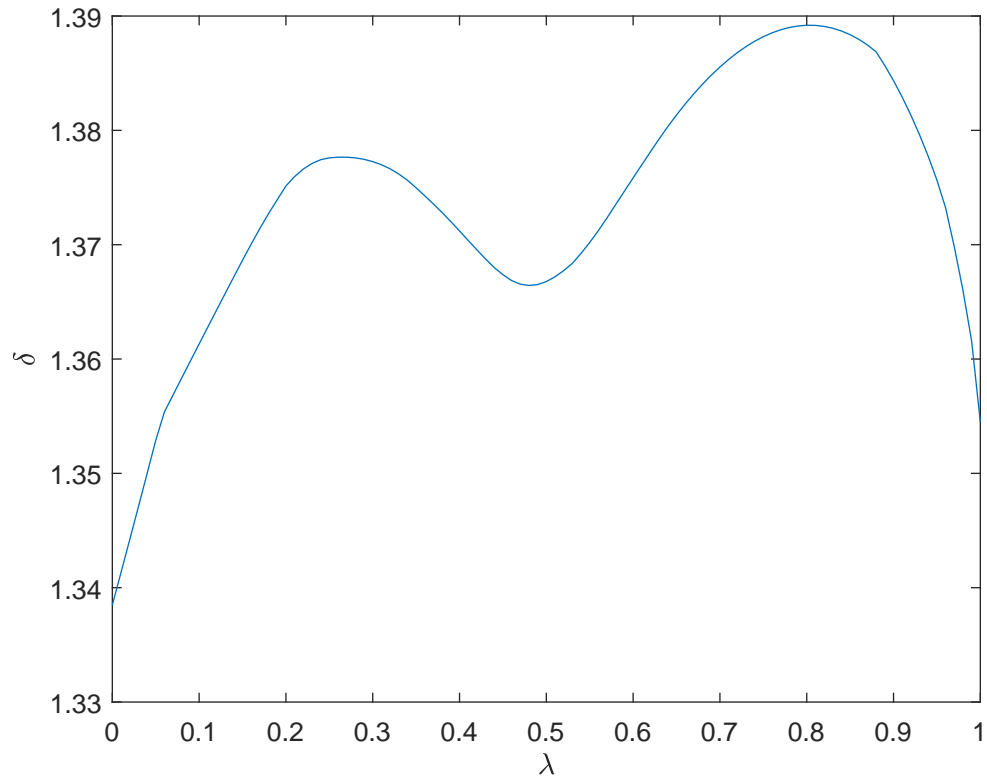


(a) Females

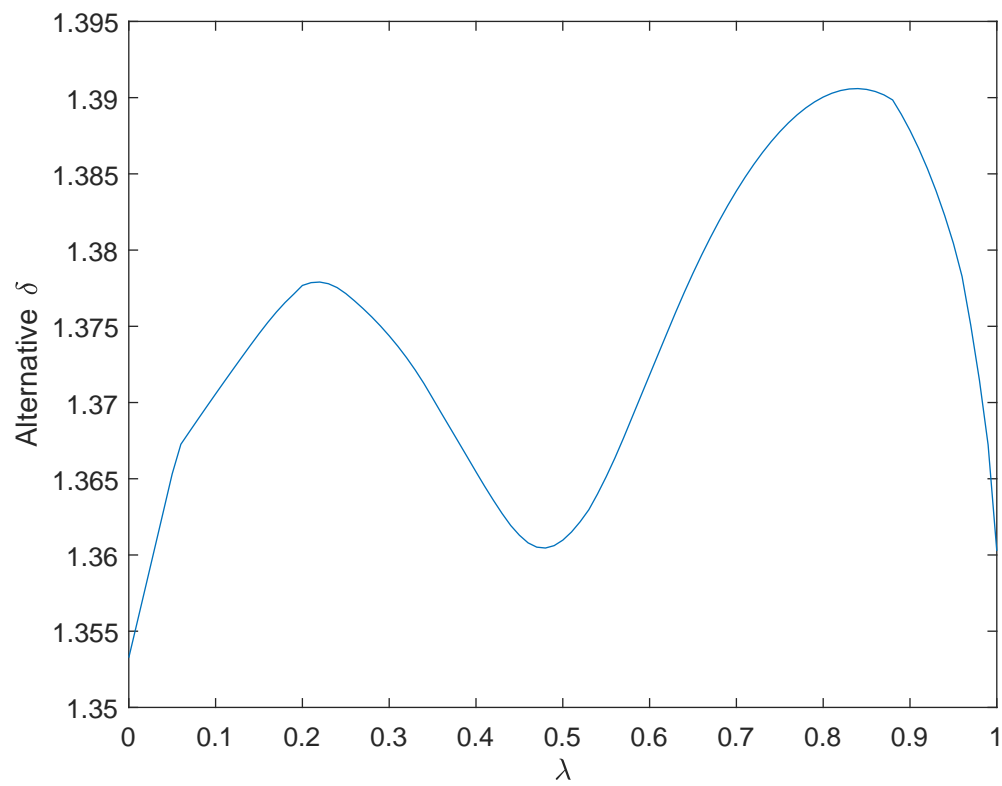


(b) Males

Figure 50: Marital sorting in education

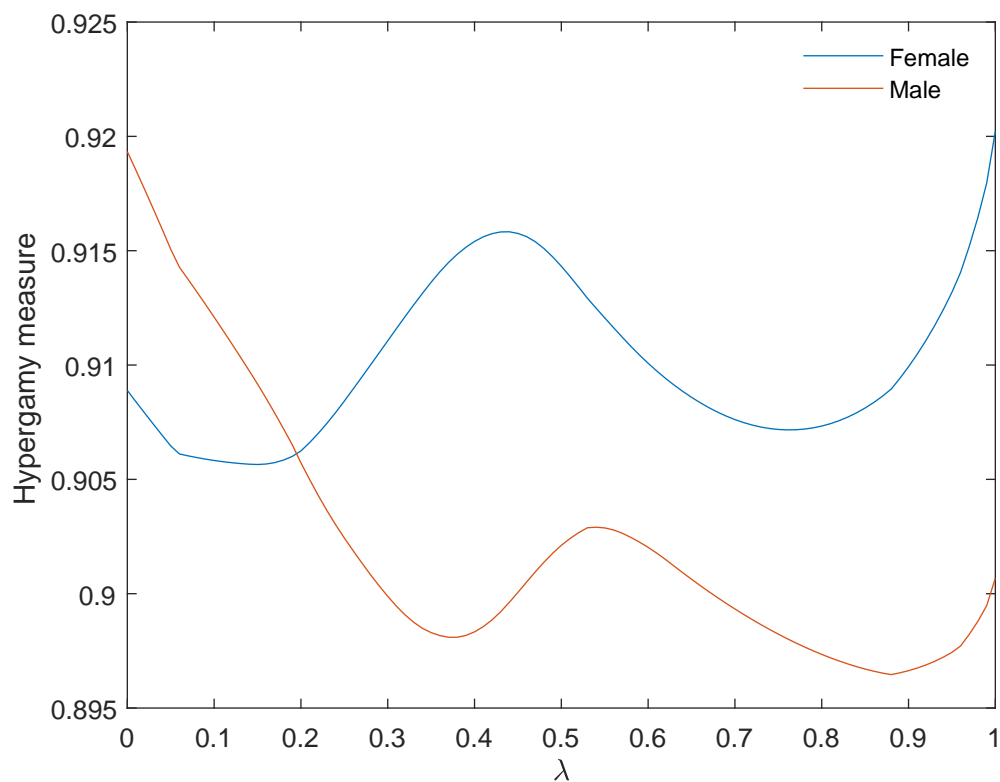


(a) Basis: only married people

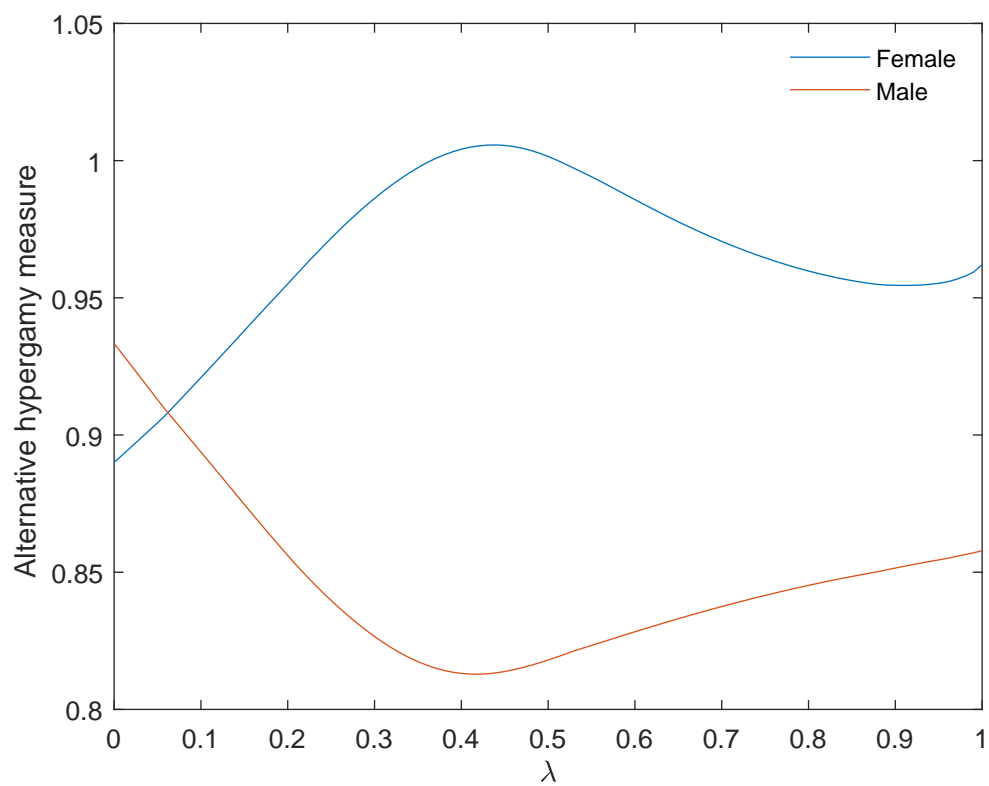


(b) Basis: all individuals

Figure 51: Hypergamy in education by sex



(a) Basis: only married people



(b) Basis: all individuals

Figure 52: Expected time to marriage

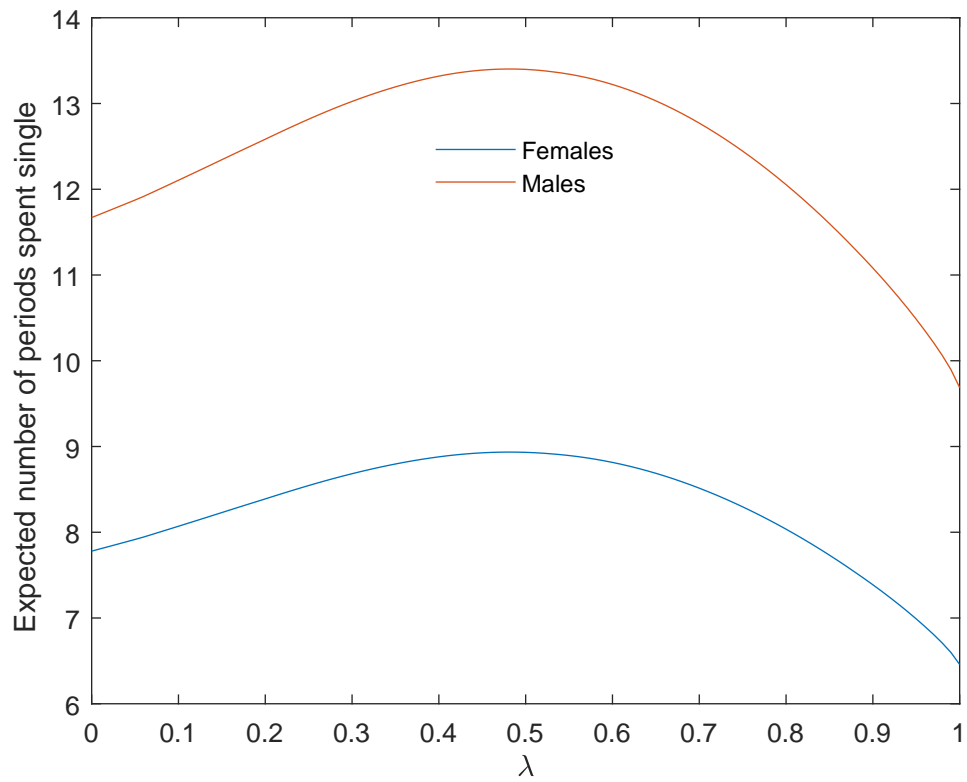


Figure 53: Married female labor supply

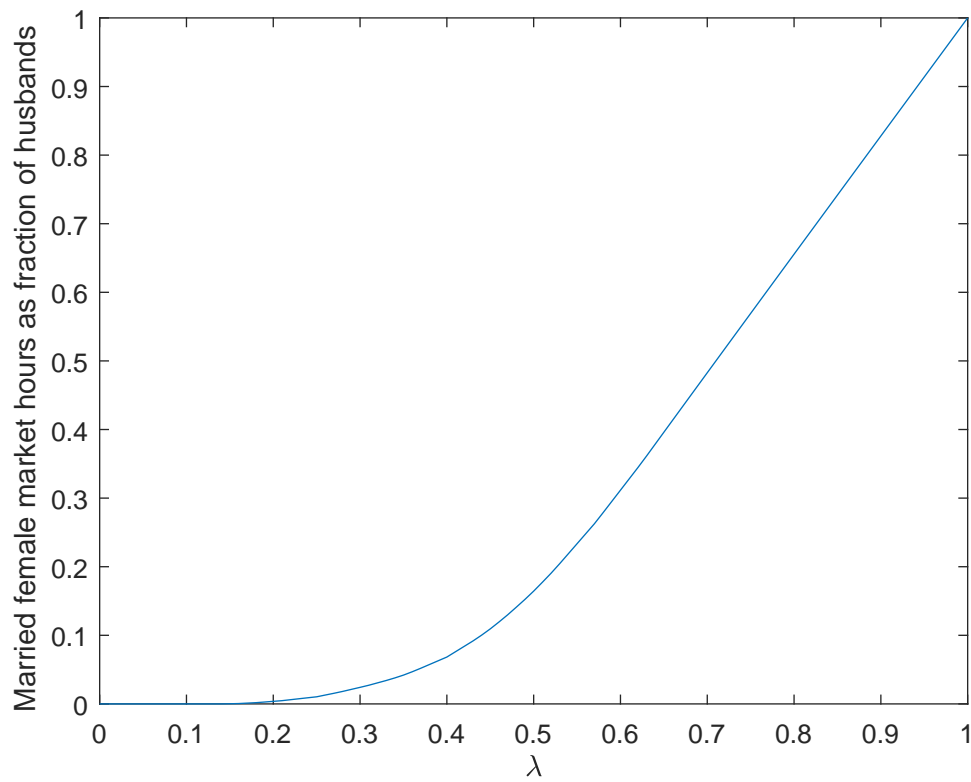
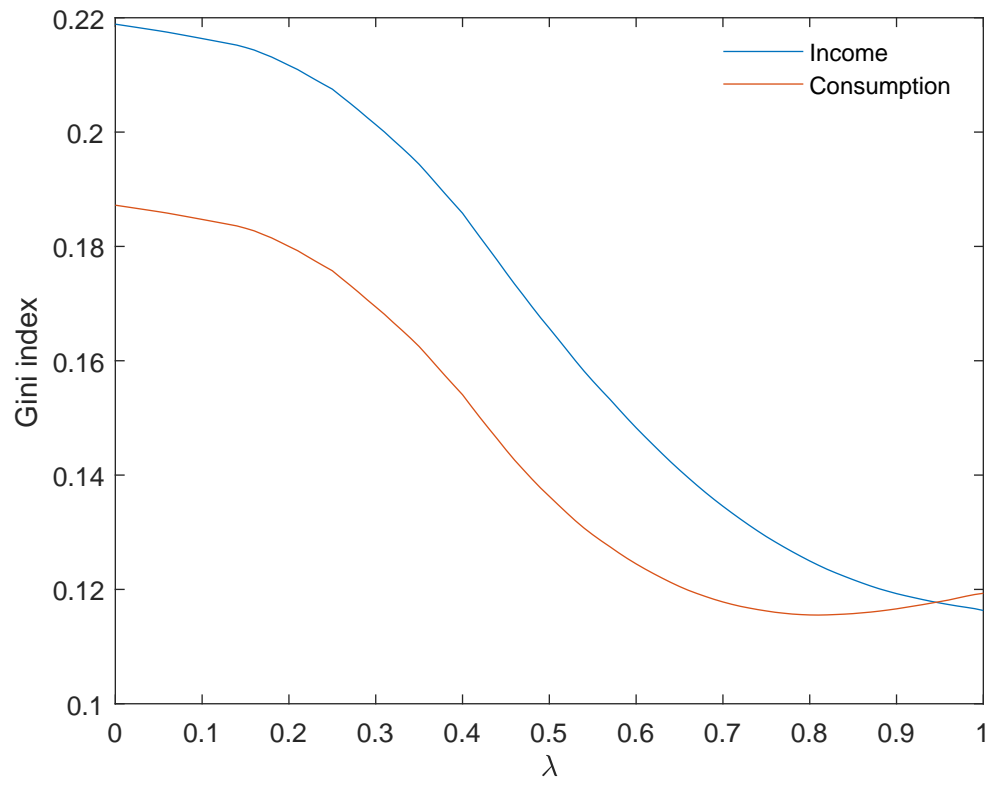


Figure 54: Inequality





## 7 Comparative statics on $\gamma$

### 7.1 Exercise 1

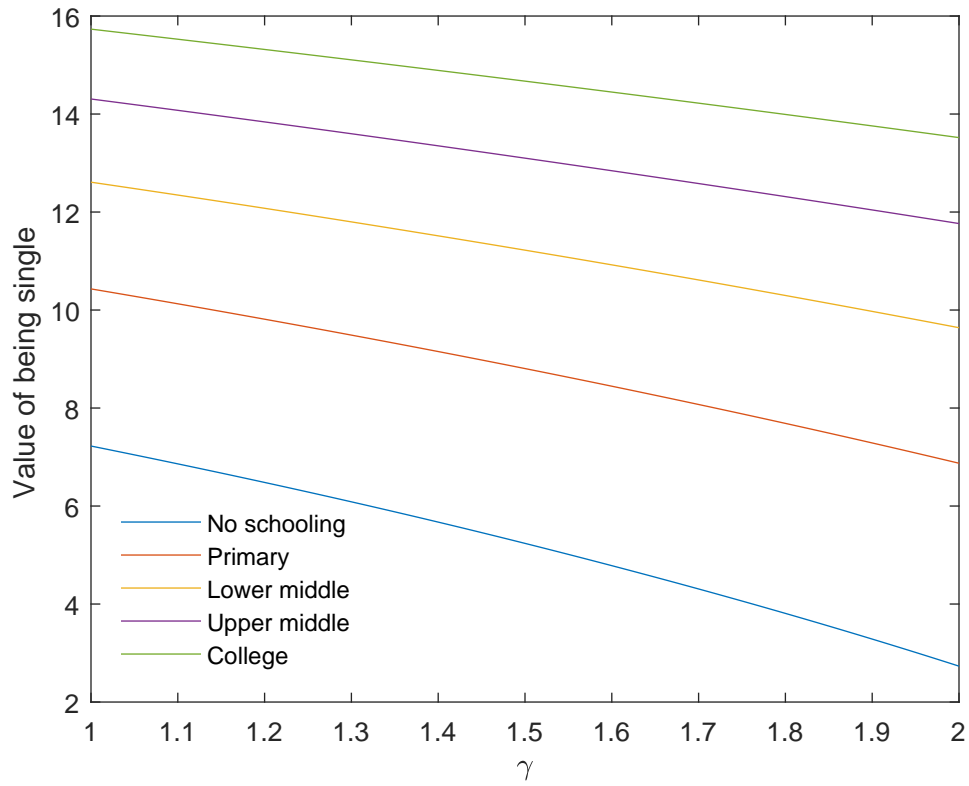
Table 7: Parameters for exercise 1

Parameter	Value
Periods per year	1,000
$\beta$	0,960
Life expectancy	45,000
$\delta$	0,022
$A$	0,500
$\alpha$	0,500
$\kappa$	0,200
$\bar{c}$	0,500
$\lambda$	0,500
$\theta_S$	1,500
Gender wage gap	0,750
Skill premium	0,250
General wage level	1,000

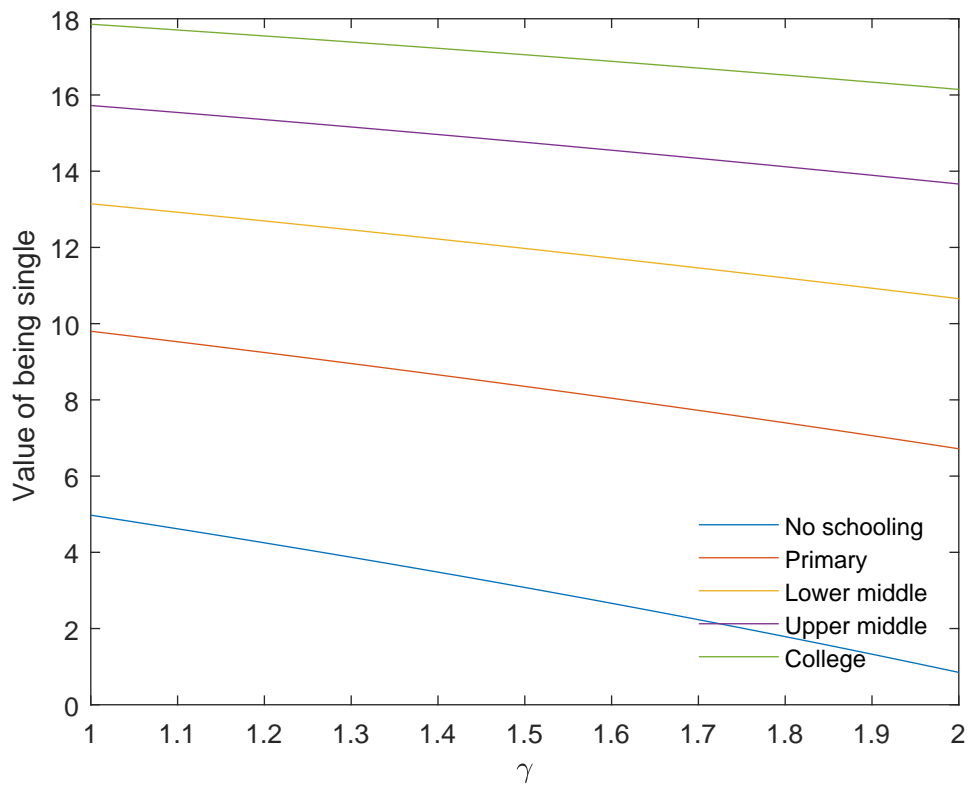
Notes:

1.

Figure 55: Value of being single



(a) Females



(b) Males

Figure 56: Matching probability by sex

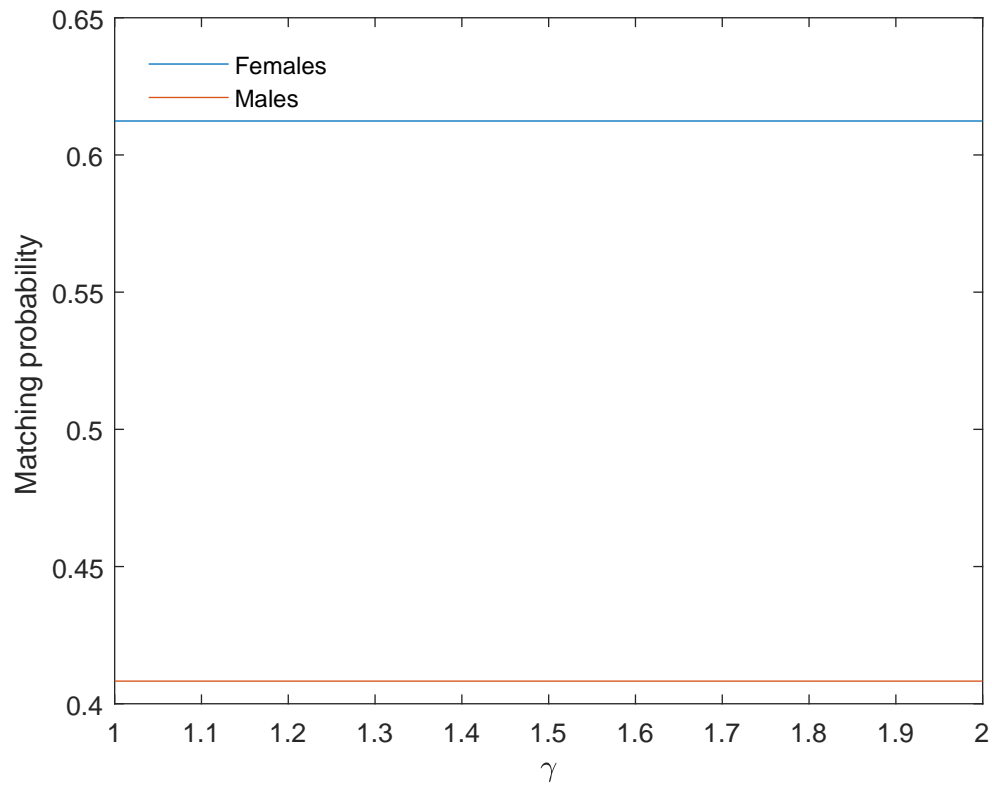


Figure 57: Marriage rates by sex

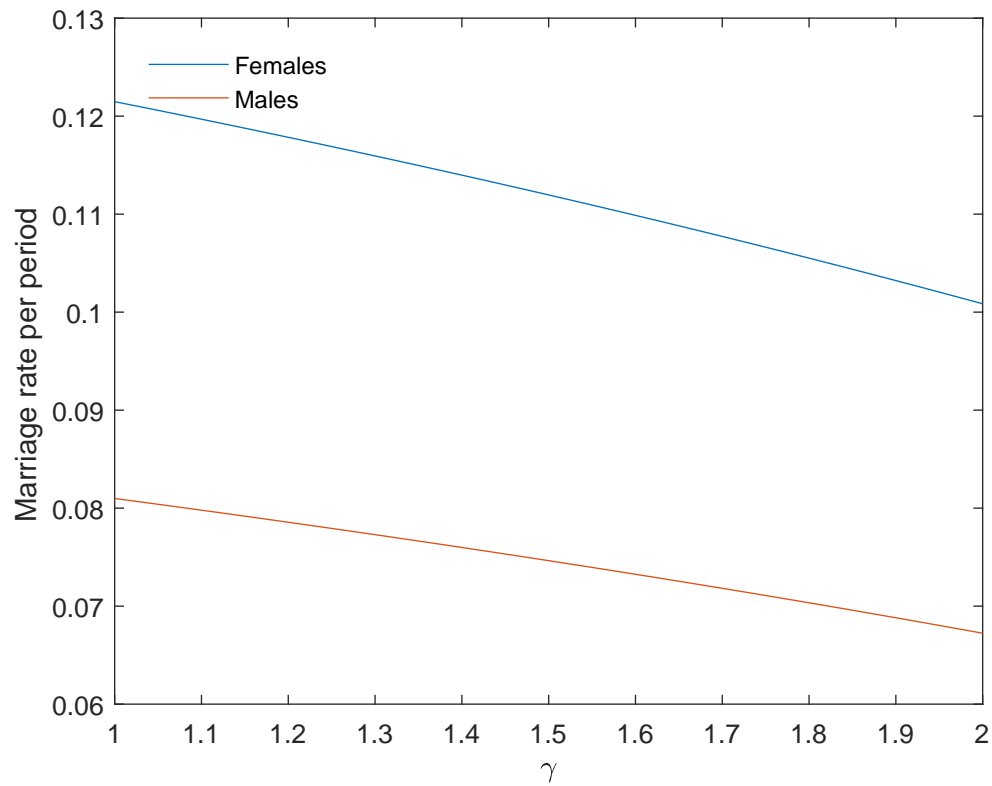
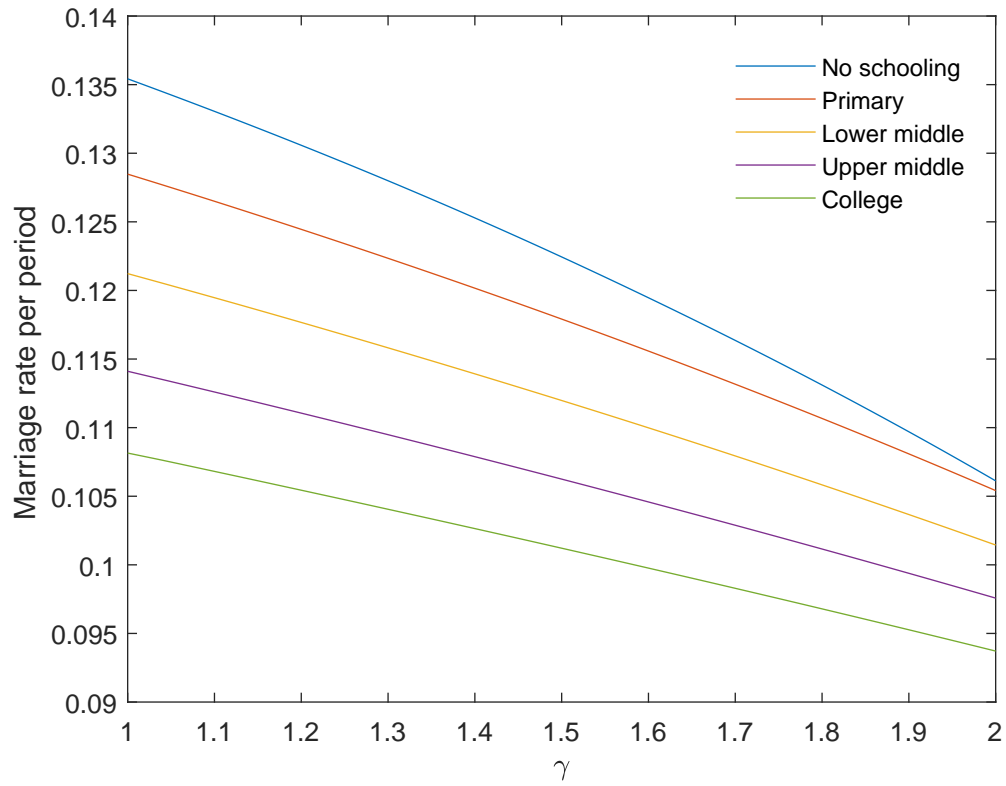
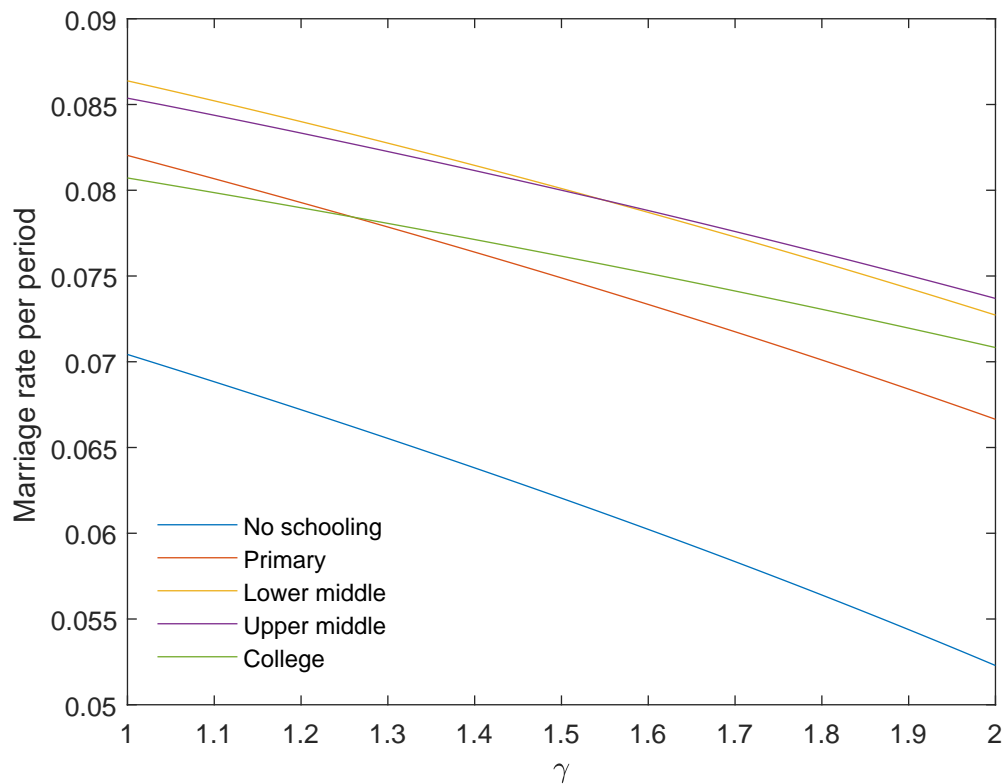


Figure 58: Marriage rates by education level

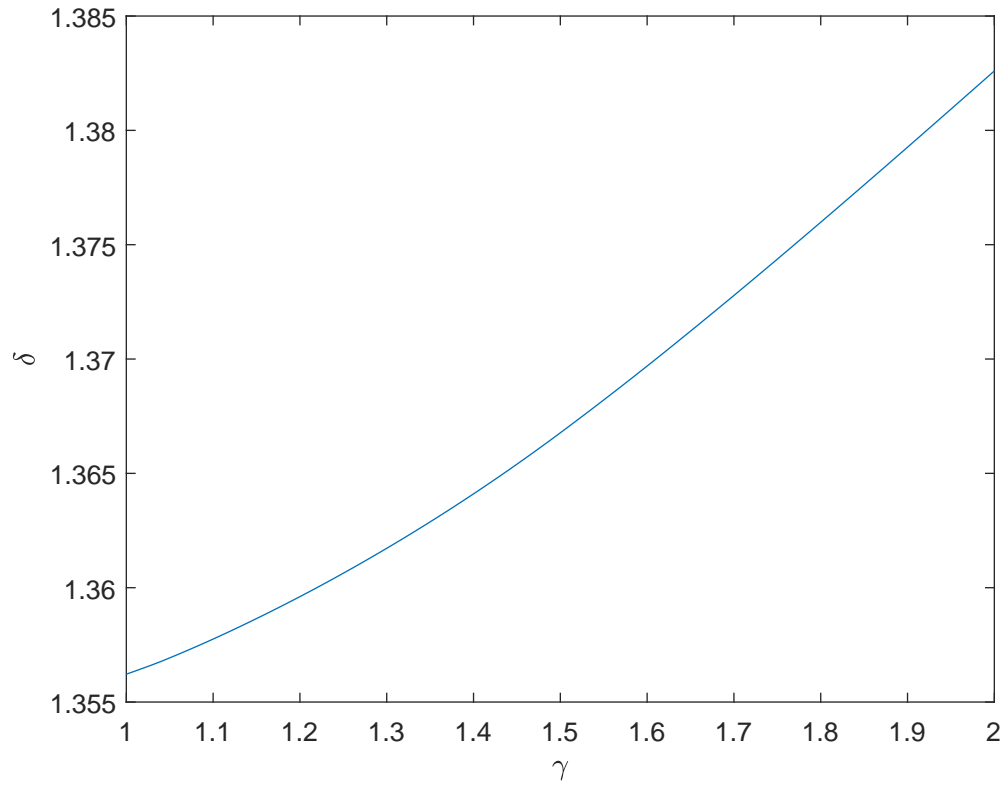


(a) Females

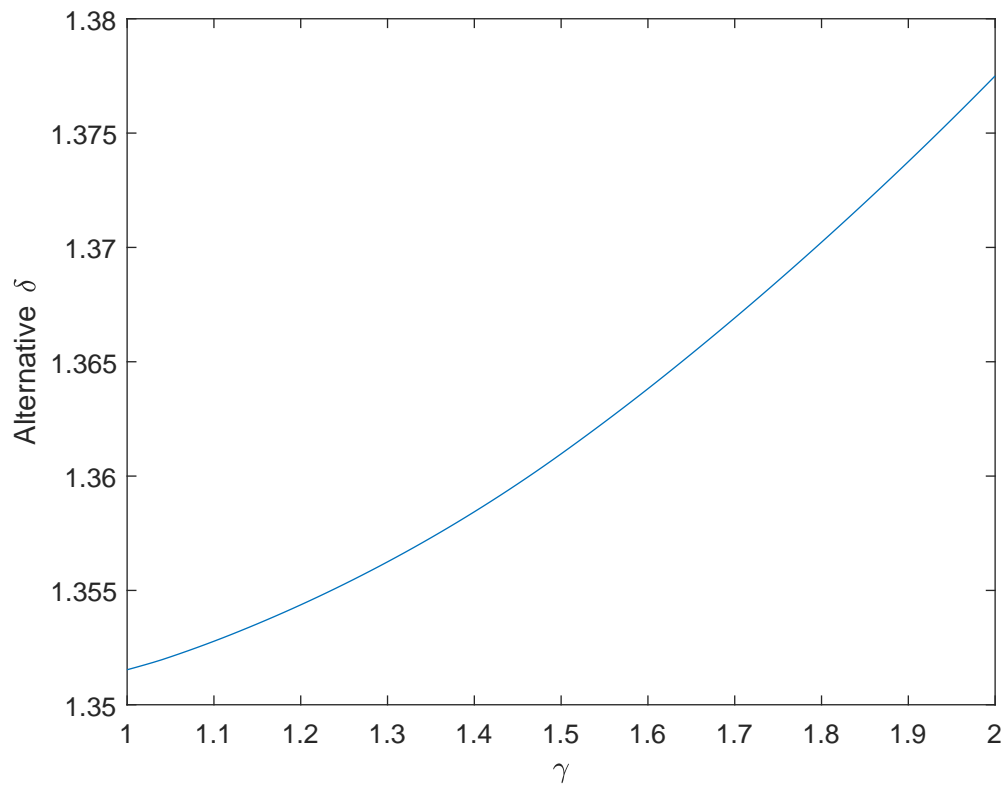


(b) Males

Figure 59: Marital sorting in education

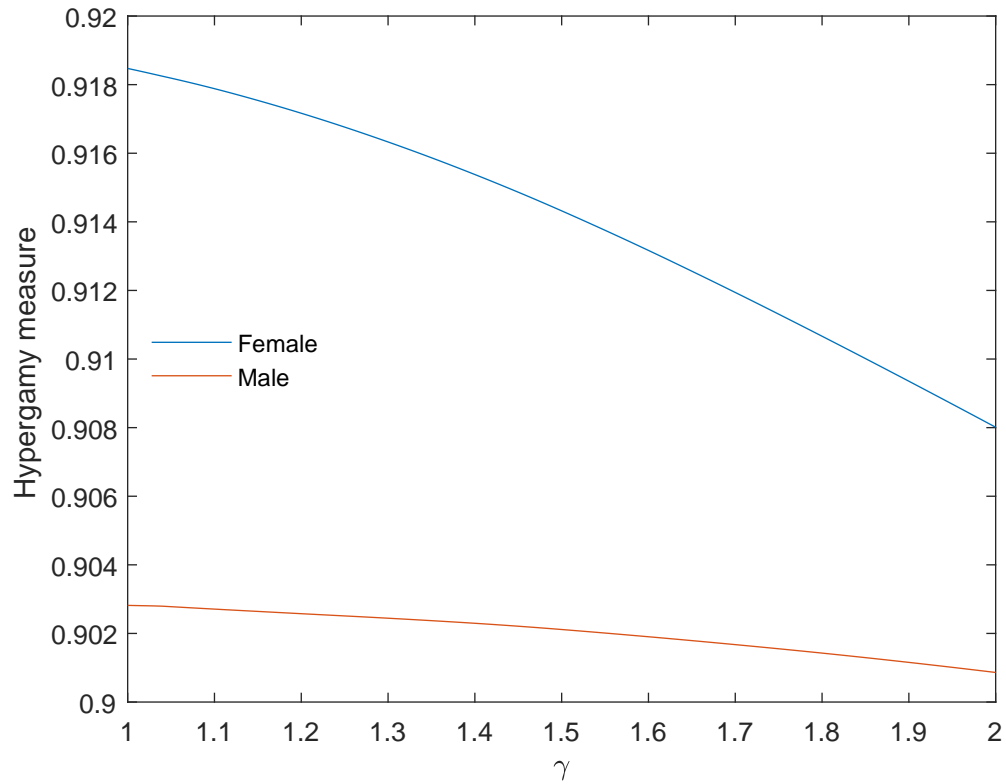


(a) Basis: only married people

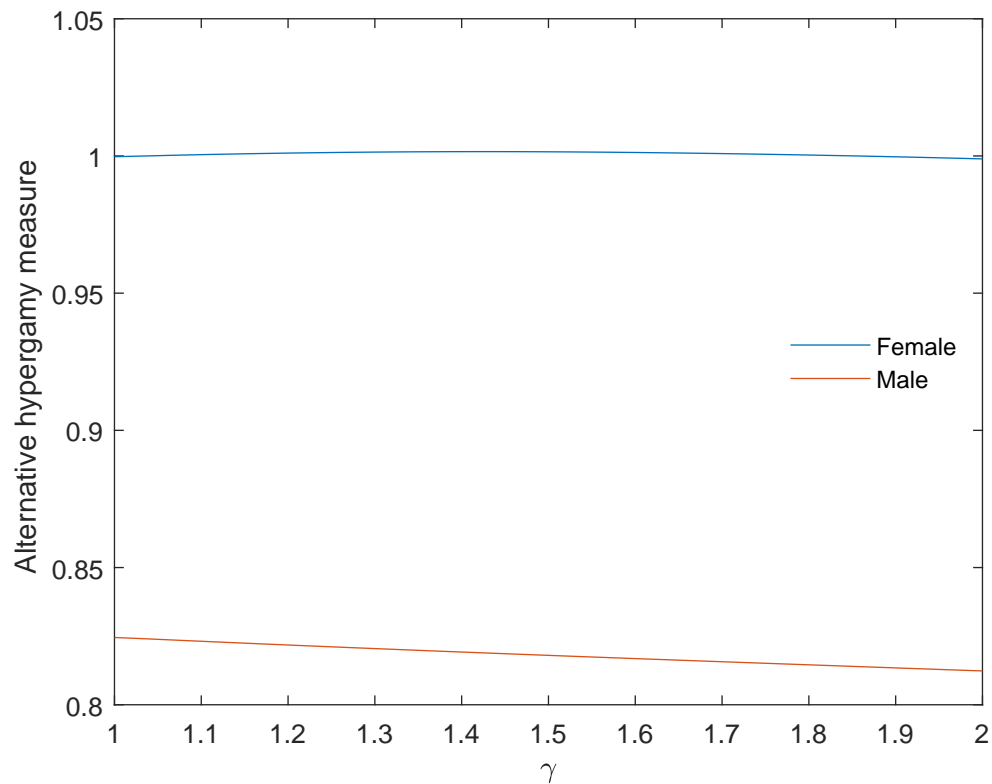


(b) Basis: all individuals

Figure 60: Hypergamy in education by sex



(a) Basis: only married people



(b) Basis: all individuals

Figure 61: Expected time to marriage

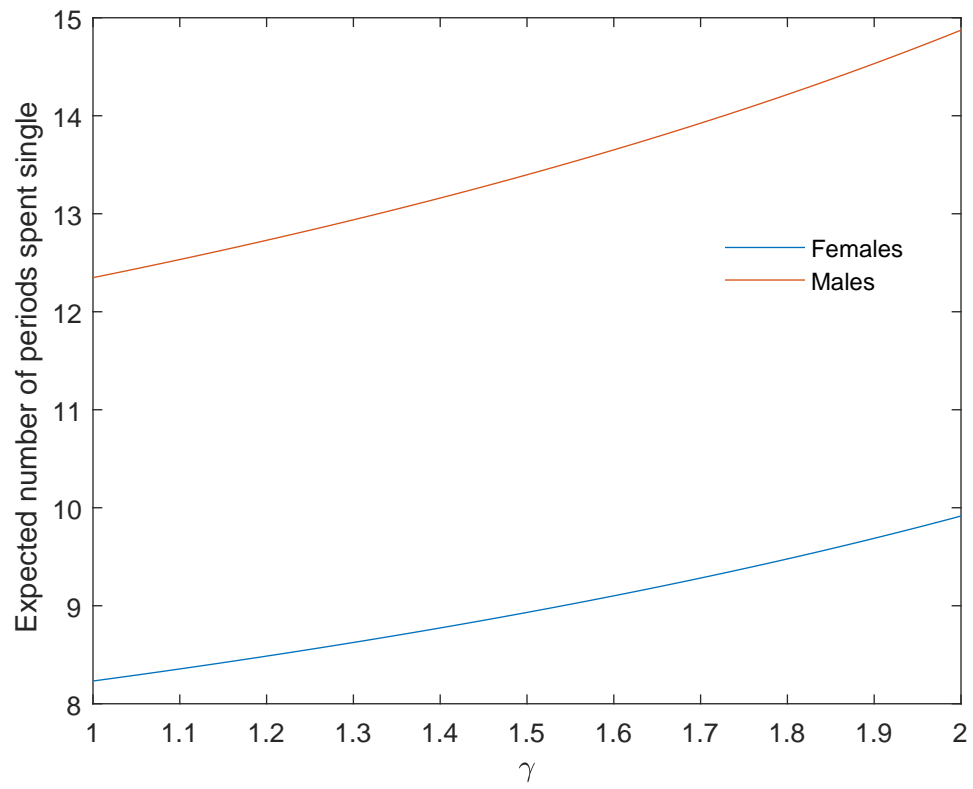


Figure 62: Married female labor supply

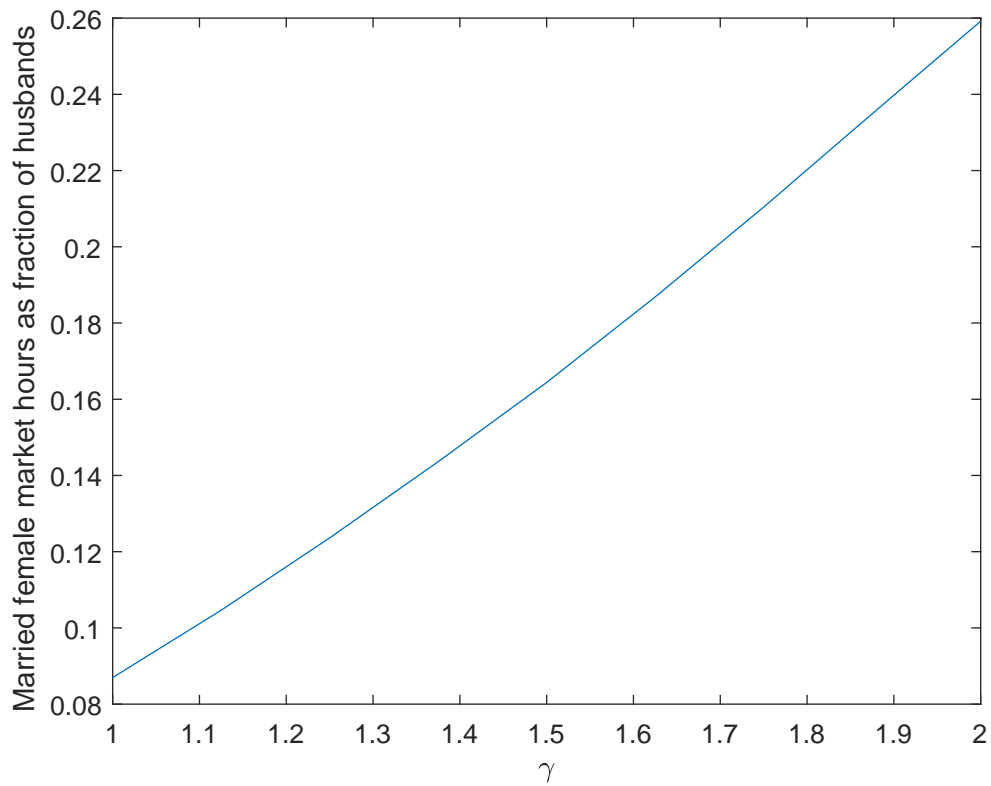
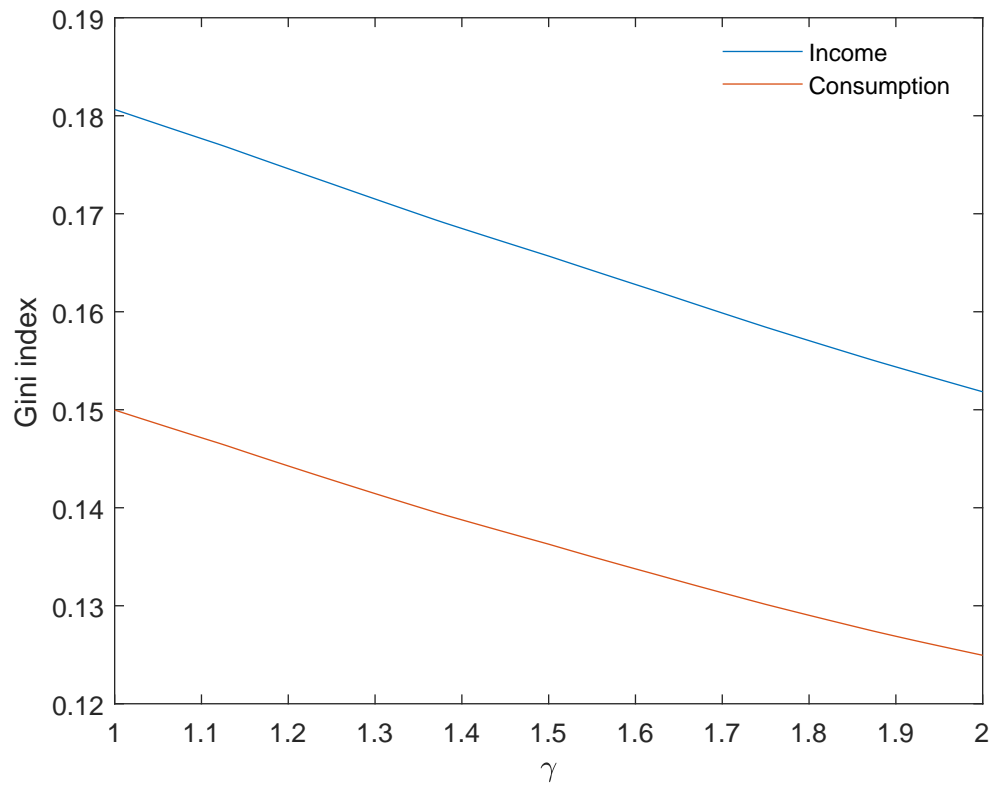


Figure 63: Inequality





## 8 Comparative statics on the general wage level

### 8.1 Exercise 1

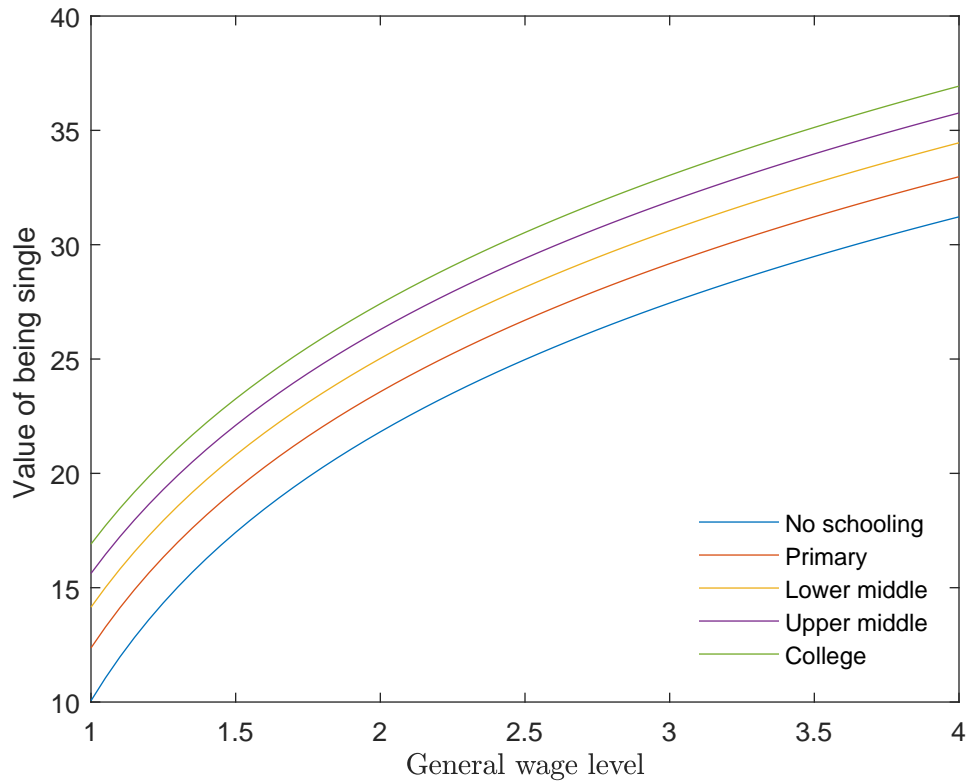
Table 8: Parameters for exercise 1

Parameter	Value
Periods per year	1,000
$\beta$	0,960
Life expectancy	45,000
$\delta$	0,022
$A$	0,500
$\alpha$	0,500
$\kappa$	0,200
$\bar{c}$	0,500
$\lambda$	0,500
$\gamma$	1,500
$\theta_S$	1,500
Gender wage gap	0,750
Skill premium	0,250
General wage level	1,000

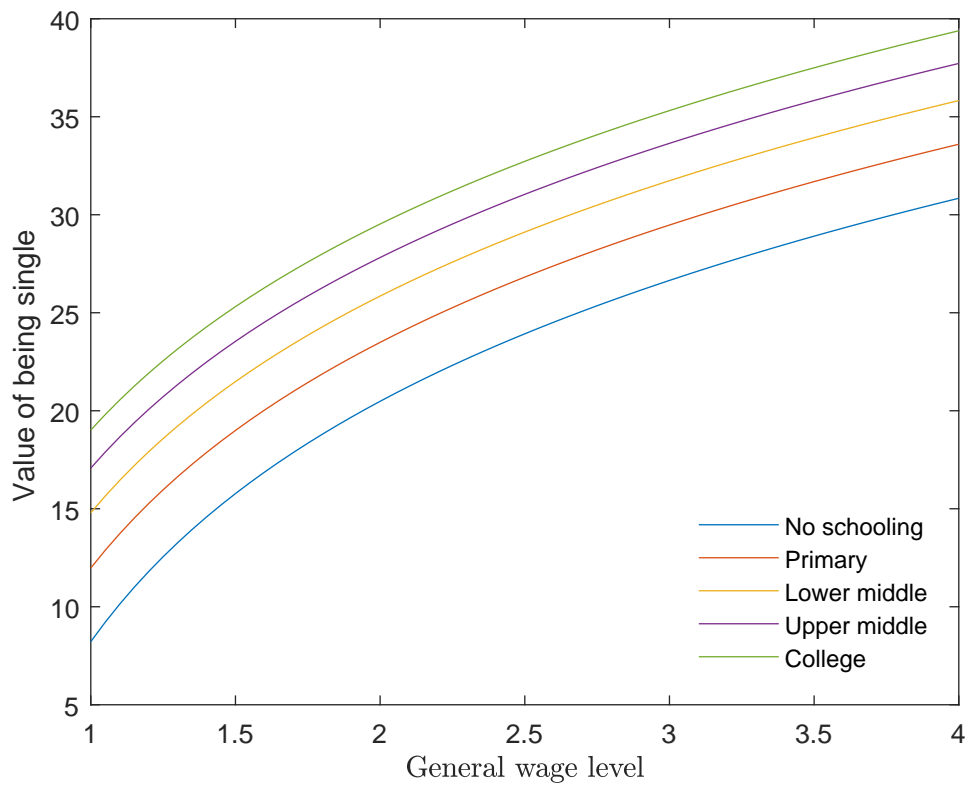
Notes:

1.

Figure 64: Value of being single



(a) Females



(b) Males

Figure 65: Matching probability by sex

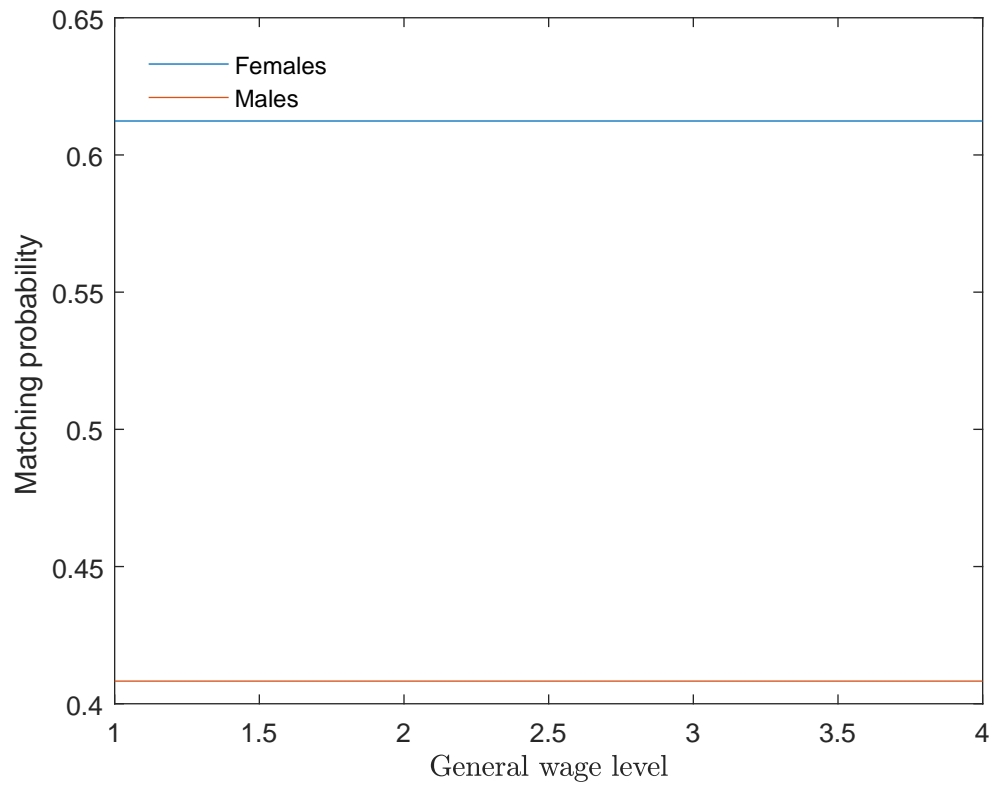


Figure 66: Marriage rates by sex

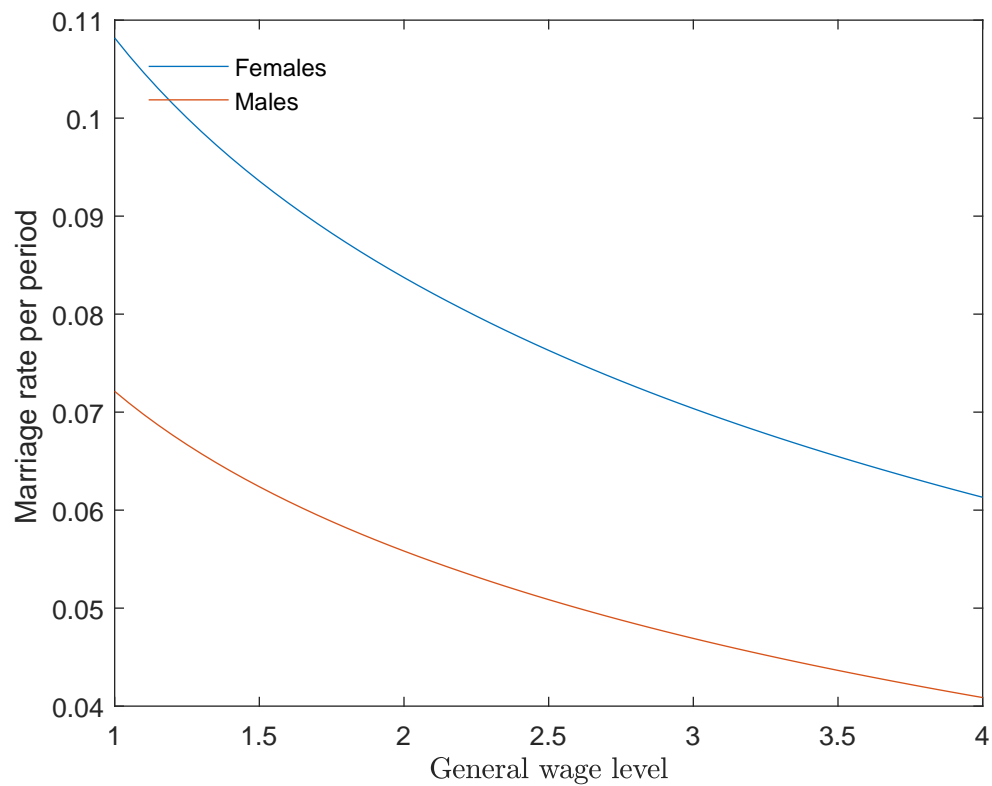
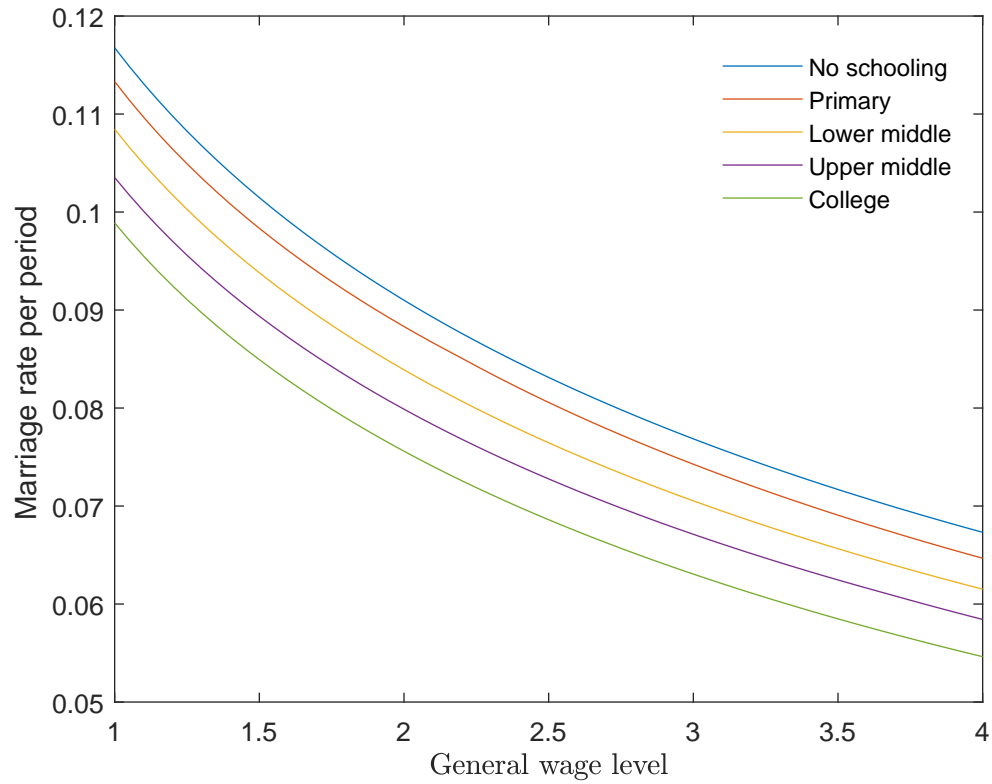
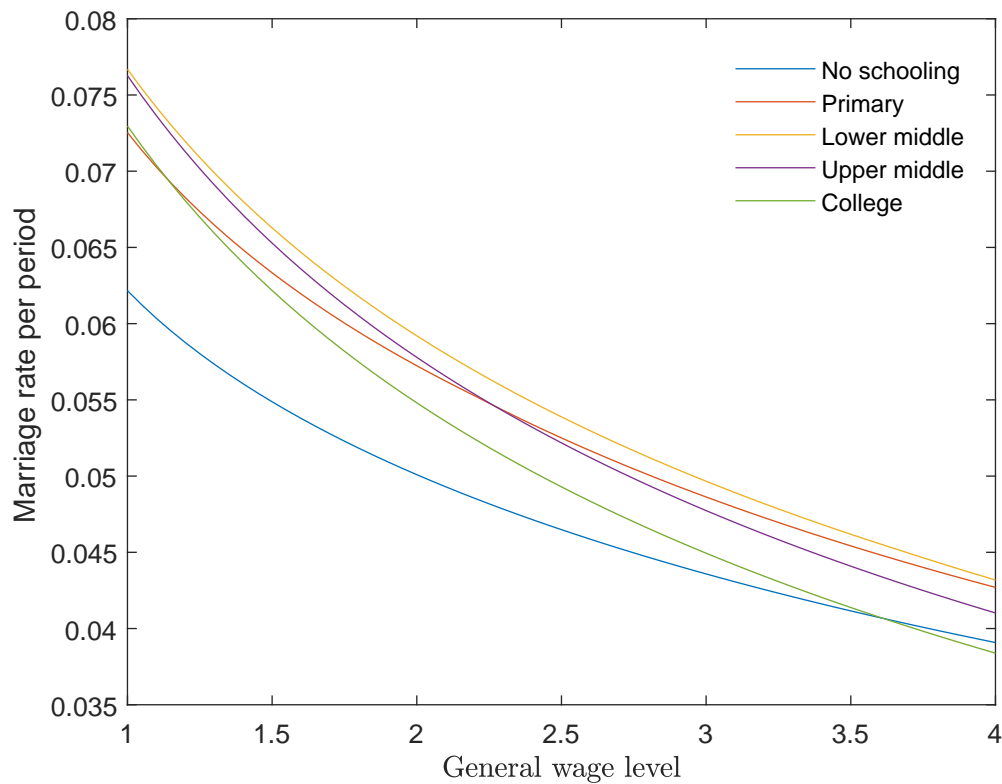


Figure 67: Marriage rates by education level

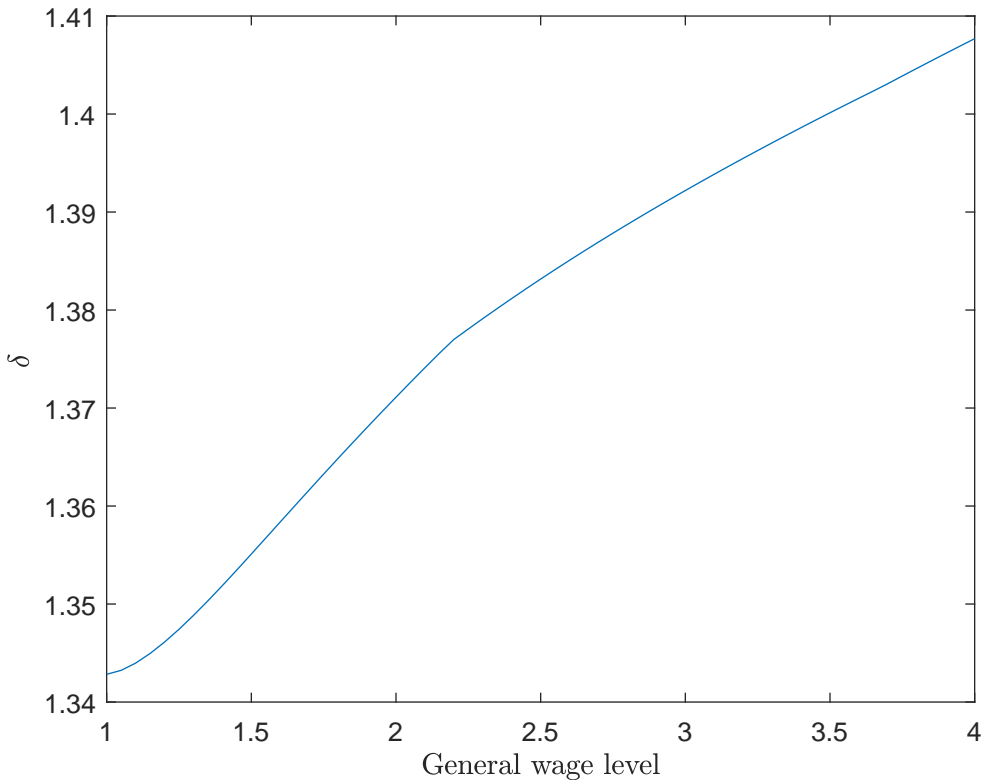


(a) Females

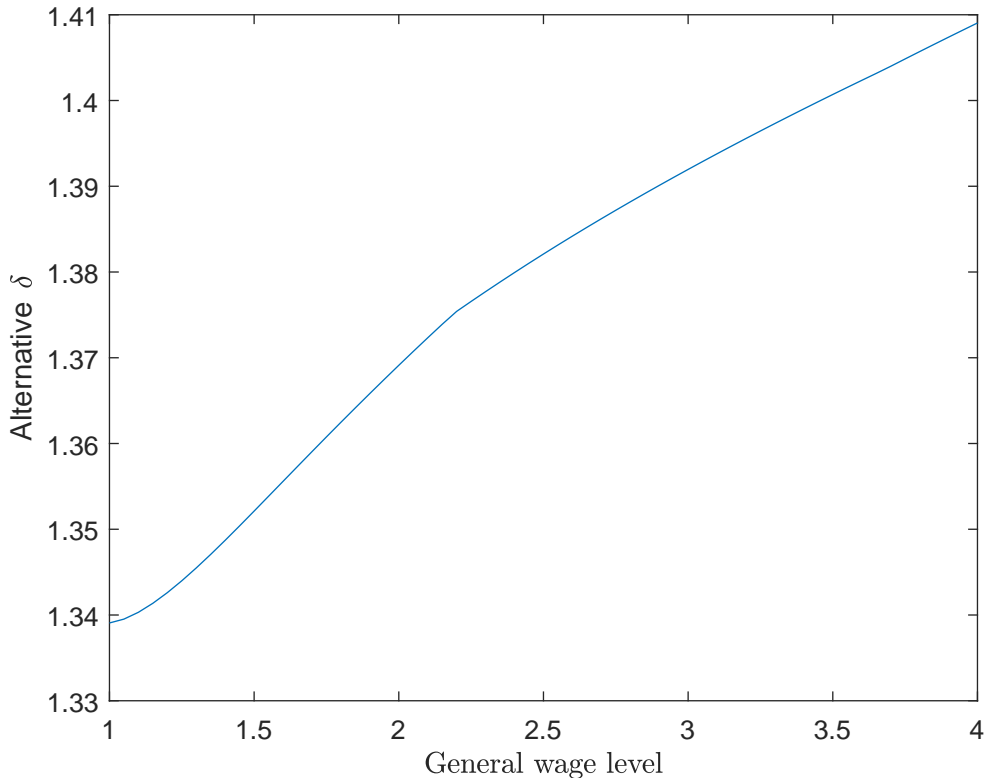


(b) Males

Figure 68: Marital sorting in education

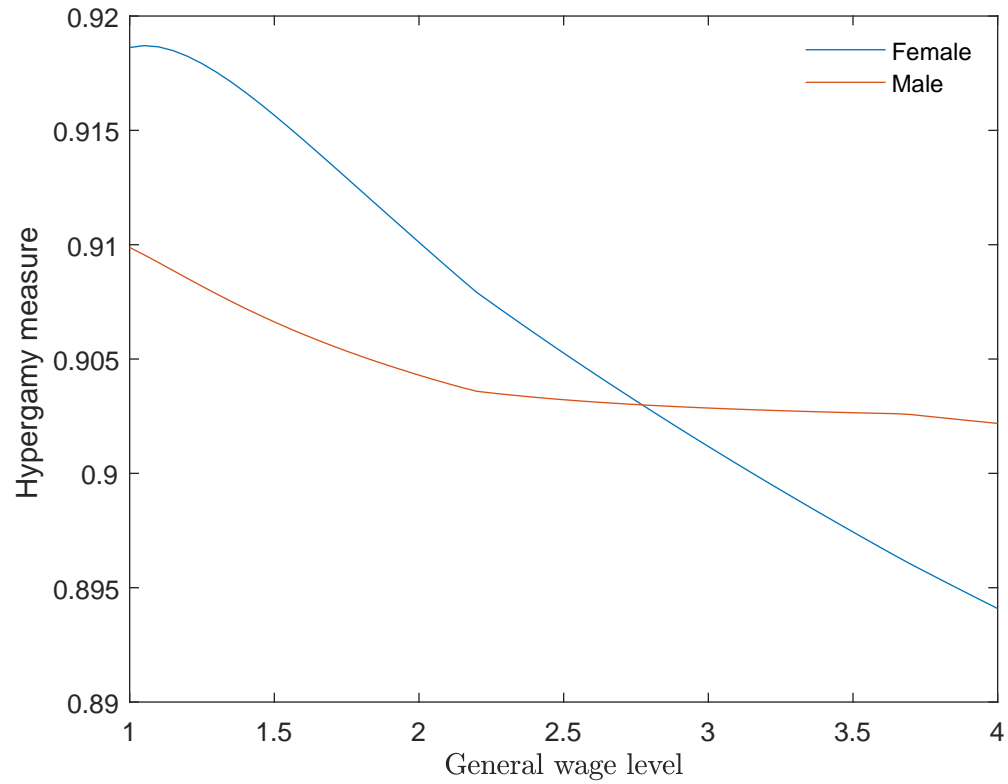


(a) Basis: only married people

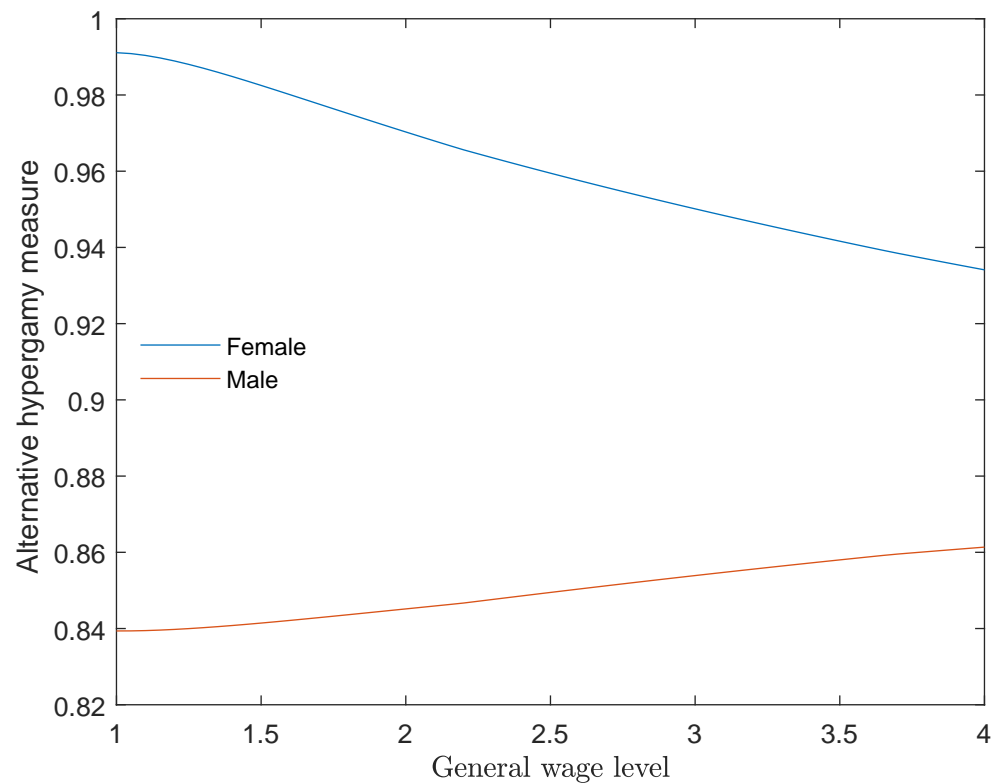


(b) Basis: all individuals

Figure 69: Hypergamy in education by sex



(a) Basis: only married people



(b) Basis: all individuals

Figure 70: Expected time to marriage

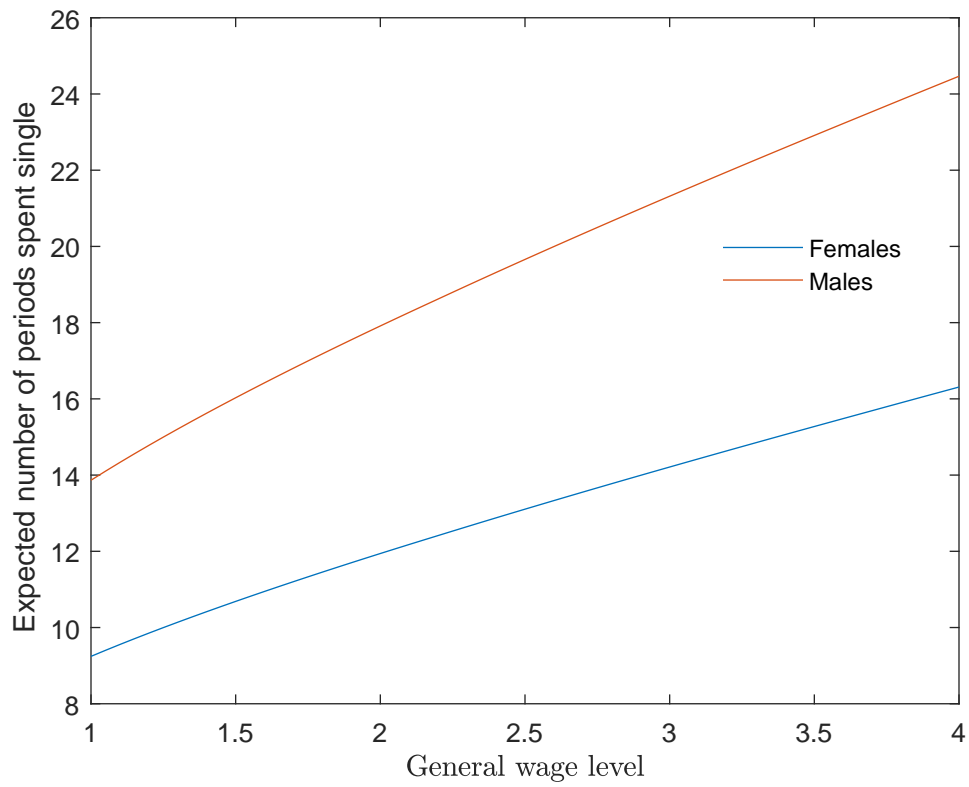


Figure 71: Married female labor supply

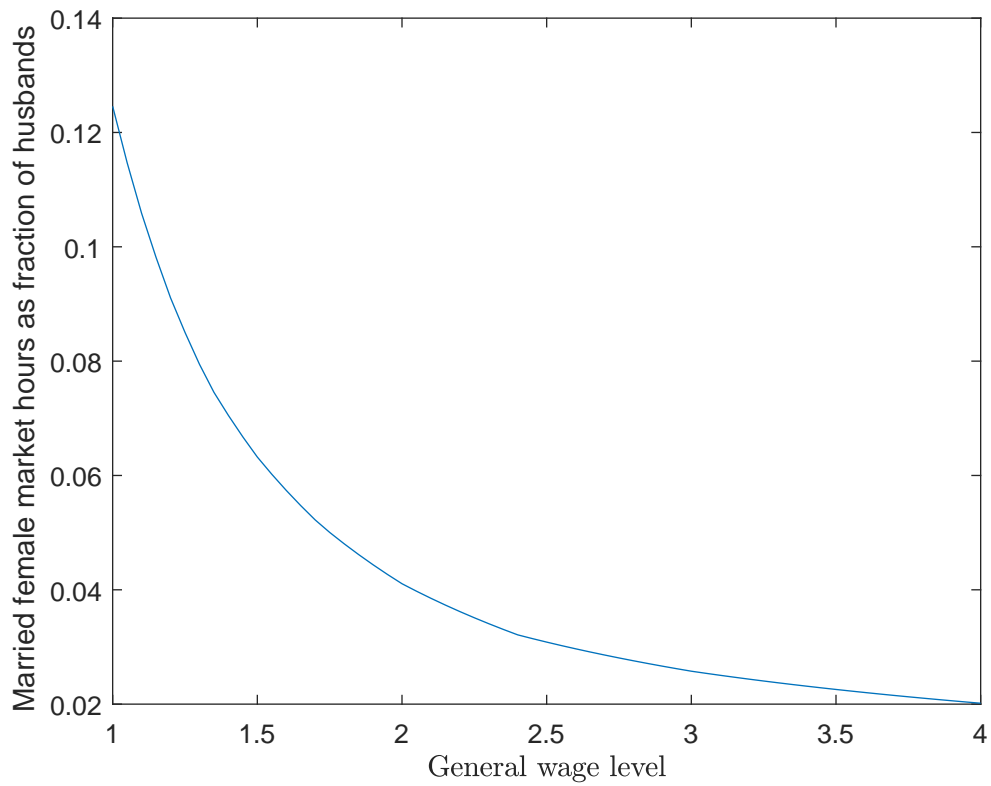


Figure 72: Inequality

