ELV-781 Project Report:

Submitted By:

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Abbreviations:

agem1	age
agefstm	Age at first birth
educm	Years of education
whitem	white
blackm	black
hispm	Hispanic
othracem	Other Race

workedm	If worked for pay
weeksm1	weeks worked
hourswm	hours worked
incomem	annual labour income
famincl	log of family income

Means and Standard deviations:

Xi Mean	All women	wife	husband
Age	29.868	29.97461	32.65742
age at first birth	20.49905	20.74286	23.68556
Years of education	12.1632	12.26449	12.82855
White	0.822795	0.866712	0.866415
Black	0.117915	0.075778	0.078124
Hispanic	0.030149	0.027383	0.028169
Other race	0.029142	0.030128	0.027292

Xi Std	All women	wife	husband
age	3.62831	3.574342	5.064661
age at first birth	3.069067	3.076657	4.512551
Years of education	2.412824	2.4147	3.087226
White	0.381843	0.339887	0.340207
Black	0.322508	0.264643	0.268368
Hispanic	0.170997	0.163196	0.165454
Other racem	0.168204	0.170939	0.162933

Yi mean	All women	wife	husband
Worked for pay	0.557496	0.540688	0.974274
Weeks worked	20.24203	19.32397	47.47637

Hours worked	18.49821	17.54797	43.17618
Annual labour Income	37192.18	37192.18	6506.149
Log family income	10.31362	10.52635	10.31752

Yi Std	All women	wife	husband
Worked for pay	0.496684	0.498342	0.158316
Weeks worked	22.09244	21.83174	11.09071
Hours worked	18.89402	18.63055	12.4738
Annual labour Income	24360.84	24360.84	10345.61
Log family income	1.348681	1.046161	1.261005

Wi (More than 2 kids)	All women	wife
mean	0.2708637318055	0.2816608397796
Standard Deviation	0.4444061021024	0.4498091554687

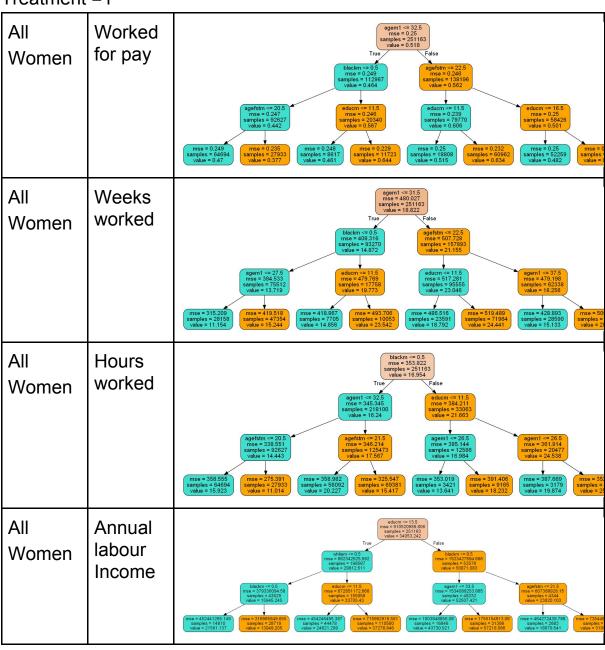
OLS	All women	wife	husband
Worked for pay	-0.16813554	-0.16813554	-0.00538576431
Weeks worked	-9.71246319	-8.73406347	-0.523228315
Hours worked	-7.55095385	-6.78612904	0.386591204
Annual labour Income	4181.51824	1180.97577	659.135724
Log family income	-0.0601087233	-0.0965953603	-0.116319706

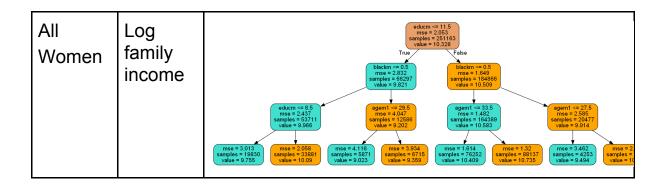
Honest estimation:

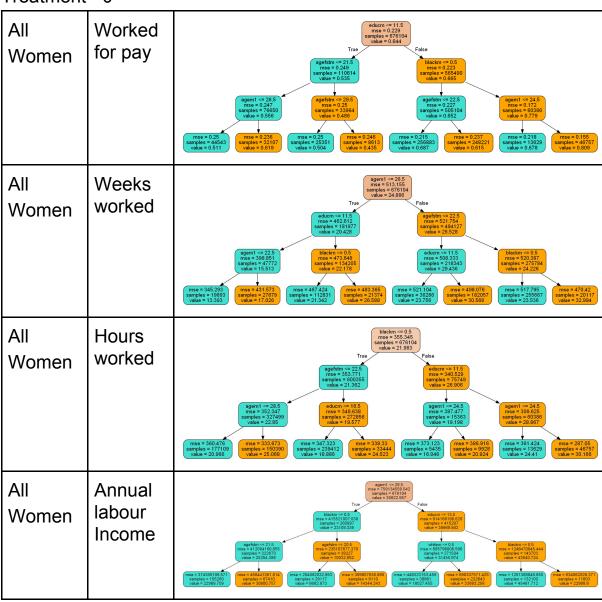
Normaliserd MSE	All women	Married Women	Husbands
Worked for pay	0.385470551032204	0.411424081364396	0.026642579912253
	07	2	612
Weeks worked	0.475019818626056 6	0.503857441653901 4	0.050062467327983
Hours worked	0.452635484773602	0.480178179280950	0.075860191480160
	44	47	28
Annual labour Income	0.377262265882366	0.277741508453005	0.646785313803603
	05	2	6
Log family income	0.014815734103548	0.008831986434439	0.014136053755134
	12	016	338

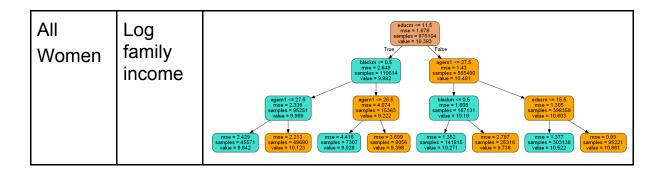
Decision Trees

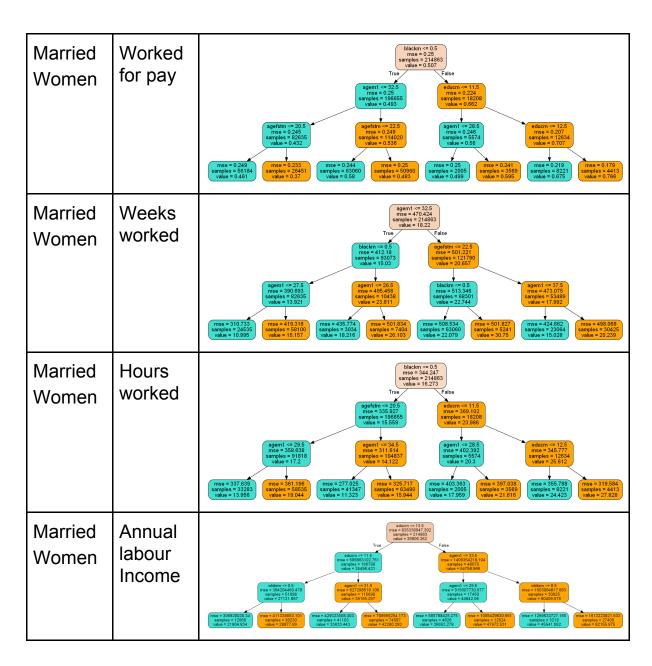
Plain decision trees on treatment 0 and treatment 1 data

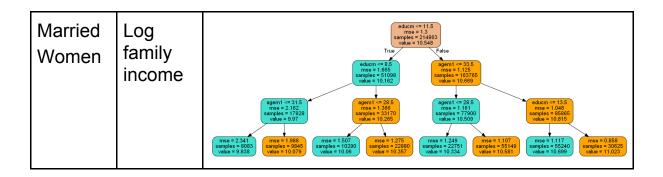


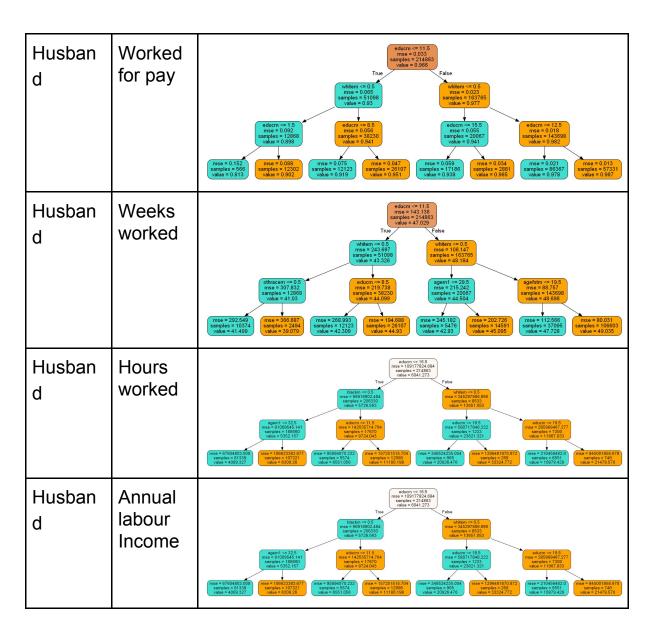


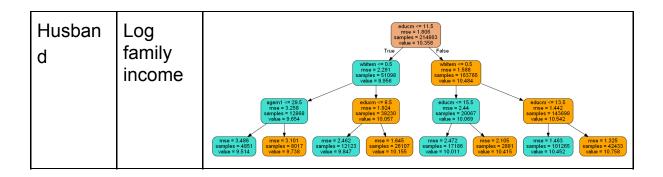


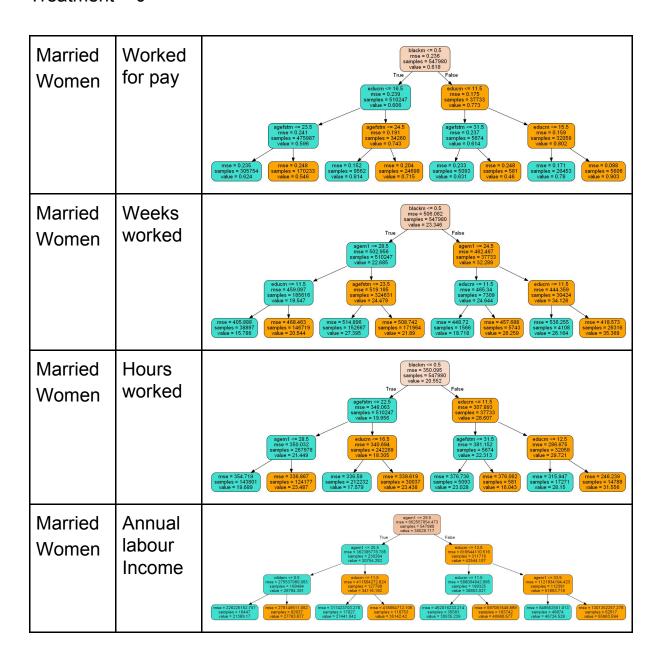


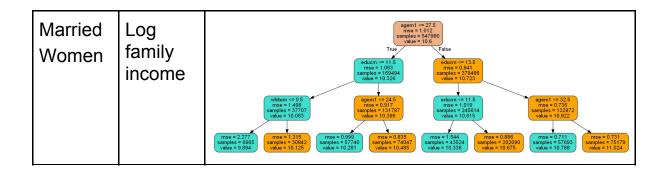


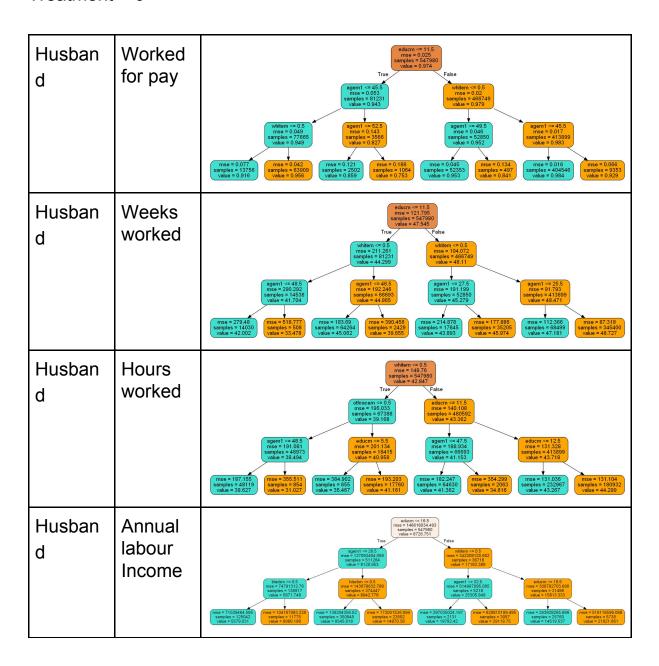


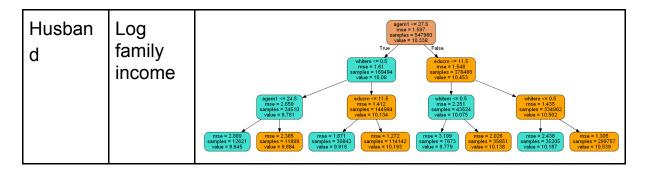












Transformed Outcome Trees

