## **Supplementary Materials**

Below are the full models used to test each of the four predictions made in the main paper. In each model, controls were chosen based on the minimally sufficient adjustment set identified by the DAG (see methods).

### 1. Prediction 1: Arranged marriage is positively associated with husband status

#### 1.1. Outcome: Husband's Education

Coefficients:						
	Beta	<b>Robust Standard Error</b>	t	р	95% Confide	ence Interval
(Intercept)	2.801	0.500	5.596	0.000	1.819	3.783
Marriage arranged (ref: love marriage)	-0.718	0.422	-1.703	0.089	-1.546	0.109
Married to spouse (ref: no)	-0.257	0.363	-0.707	0.480	-0.969	0.455
Daughter's education	0.692	0.030	22.744	0.000	0.632	0.752
Father's Education	0.176	0.032	5.445	0.000	0.113	0.240
Father's occupation: Education-based (ref: business)	-0.205	0.330	-0.620	0.535	-0.853	0.443
Father's occupation: Non-food production (ref: business)	-0.323	0.503	-0.643	0.521	-1.311	0.664
Father occupation: Primary food production (ref: business)	-0.358	0.296	-1.210	0.227	-0.940	0.223

Model outcome: Husbar						
Independent variables: o	daughter's educati	on + father's education				
Coefficients:						
	Beta	Robust Standard Error	t	р	95% Confi	dence Interval
(Intercept)	1.792	0.203	8.840	0.000	1.394	2.190
Daughter's education	0.703	0.030	23.137	0.000	0.643	0.763
Father's education	0.173	0.030	5.852	0.000	0.115	0.231
Residual standard error:	3.174 on 974 deg	rees of freedom (363 observations del	eted due to missingne	ss)		
Multiple R-squared: 0.4	905, Adjust	ed R-squared: 0.4894	-			
F-statistic: 468.8 on 2 an		•				

Table 1.1.3 Model with father's education predicting husbar Model outcome: Husband's Education						
Independent variables: father's education + father's occupation	tional status					
Coefficients:						
	Beta	Robust Standard Error	t	р	95% Conf	idence Interval
(Intercept)	5.182	0.361	14.353	0.000	4.473	5.890
Father's education	0.458	0.037	12.238	0.000	0.385	0.531
Father's occupation: Education-based (ref: business)	-0.109	0.434	-0.251	0.802	-0.960	0.742
Father's occupation: Non-food production (ref: business)	-1.177	0.560	-2.101	0.036	-2.277	-0.077
Father occupation: Primary food production (ref: business)	-0.784	0.392	-1.998	0.046	-1.554	-0.014
Residual standard error: 3.963 on 968 degrees of freedom (3	367 observa	tions deleted due to missingn	ess)			
Multiple R-squared: 0.2066, Adjusted R-squared: 0.2	033					
F-statistic: 63.02 on 4 and 968 DF, p-value: < 2.2e-16						

Table 1.1.4 Model with log dowry predicting husband's educ	ation.					
Model outcome: Husband's Education						
Independent variables: log dowry + {father's education + da	ughter's edu	ucation + father's occupation	al status}			
Coefficients:						
	Beta	Robust Standard Error	t	р	95% Cor	fidence Interval
(Intercept)	1.916	0.389	4.932	0.000	1.154	2.679
Dowry (log)	0.144	0.096	1.503	0.133	-0.044	0.333
Father's education	0.166	0.034	4.847	0.000	0.099	0.233
Daughter's education	0.671	0.033	20.053	0.000	0.606	0.737
Father's occupation: Education-based (ref: business)	-0.166	0.353	-0.470	0.638	-0.859	0.527
Father's occupation: Non-food production (ref: business)	-0.270	0.557	-0.484	0.629	-1.364	0.824
Father occupation: Primary food production (ref: business)	-0.364	0.315	-1.158	0.247	-0.982	0.253
Married to relative (ref: no)	-0.210	0.400	-0.525	0.599	-0.996	0.575
Residual standard error: 3.205 on 850 degrees of freedom (Multiple R-squared: 0.4798,Adjusted R-squared: 0.4F-statistic:112 on 7 and 850 DF, p-value: < 2.2e-16		ations deleted due to missing	ness)			

## 1.2. Outcome: Husband's Occupational Status

Table 1.2.1 Main model for prediction 1, testing for the Model outcome: Husband's Occupational Status Independent variables: Arranged marriage + married to Multinomial logistic regressionMultinomial logistic regressionNumber of obsWald chi2(21)=689.09Prob > chi2=0.0000Log pseudolikelihood = -1254.9719Pseudo R2	relative + daughter's e					
(Std. Err. adjusted for 822 clusters in resp_id_questiona	ire)					
Husband's Occupational Status	Relative Risk Ratio	Robust Standard Error	Z	P>z	95% Confide	nce Interval
Low						
Marriage arranged (ref: love marriage)	1.066	0.386	0.180	0.859	0.524	2.169
Married to spouse (ref: no)	1.190	0.386	0.540	0.591	0.630	2.249
Daughter's education	0.832	0.025	-6.230	0.000	0.785	0.882
Father's education	0.936	0.036	-1.740	0.081	0.869	1.008
Father's occupation (ref: business)						
Non-food production	10.664	4.532	5.570	0.000	4.637	24.530
Business	0.482	0.158	-2.230	0.026	0.254	0.917
Education-based	0.091	0.026	-8.520	0.000	0.053	0.158
_cons	3.978	1.569	3.500	0.000	1.836	8.618
Unskilled_labor						
Marriage arranged (ref: love marriage)	1.279	0.477	0.660	0.508	0.616	2.657
Married to spouse (ref: no)	0.747	0.269	-0.810	0.419	0.368	1.515
Daughter's education	0.933	0.027	-2.390	0.017	0.881	0.988
Father's education	0.999	0.030	-0.030	0.978	0.942	1.059
Father's occupation (ref: business)						
Non-food production	0.520	0.284	-1.200	0.231	0.178	1.516
Business	0.212	0.066	-5.010	0.000	0.116	0.389

Education-based	0.031	0.009	-12.630	0.000	0.018	0.054
_cons	3.490	1.450	3.010	0.003	1.547	7.878
Skilled_labor						
Marriage arranged (ref: love marriage)	1.034	0.457	0.070	0.940	0.435	2.457
Married to spouse (ref: no)	0.725	0.272	-0.860	0.391	0.348	1.511
Daughter's education	1.001	0.031	0.030	0.976	0.942	1.064
Father's education	0.947	0.027	-1.910	0.057	0.895	1.002
Father's occupation (ref: business)						
Non-food production	2.431	1.269	1.700	0.089	0.874	6.762
Business	10.384	2.884	8.420	0.000	6.024	17.898
Education-based	0.378	0.099	-3.700	0.000	0.226	0.633
_cons	0.515	0.264	-1.290	0.196	0.189	1.407
Education_based   (base outcome)						

Table 1.2.2 Model with daughter's education predicting husband's occupational status.Model outcome: Husband's Occupational StatusIndependent variables: daughter's education + father's educationMultinomial logistic regressionNumber of obs=1,323Wald chi2(6)=140.99

	Prob > chi2	=	0.0000
Log pseudolikelihood = -1697.3342	Pseudo R2	=	0.0627

(Std. Err. Adjusted for 833 clusters in resp\_id\_questionaire)

Husband's Occupational Status Education_based	Relative Risk Ratio 	Robust Standard Error (base	<b>z</b> outcome)	Ρ	95% Confic	dence Interval
Low						
Daughter's education	0.833	0.021	-7.360	0.000	0.793	0.874
Father's education	0.840	0.028	-5.300	0.000	0.786	0.895
_cons	3.975	0.727	7.540	0.000	2.777	5.690
Unskilled_labor						
Daughter's education	0.931	0.023	-2.950	0.003	0.887	0.976
Father's education	0.899	0.023	-4.200	0.000	0.856	0.945
_cons	2.033	0.391	3.690	0.000	1.395	2.964
Skilled_labor						
Daughter's education	0.990	0.027	-0.360	0.720	0.938	1.045
Father's education	0.902	0.023	-4.030	0.000	0.858	0.948
_cons	0.998	0.222	-0.010	0.992	0.645	1.543

Table 1.2.3 Model with father's e	education predict	ting husband's occup	ational status.			
Model outcome: Husband's Occu	•	0				
Independent variables: father's e	•	of market integratio	n			
Multinomial logistic	regression		Number of obs		= 1,320	=1,340
-	-		Wald chi2(12)		627.92	
			Prob > chi2		0	
Log pseudolikelihood	-1306.3258		Pseudo R2		0.277	=0.2772
(Std. Err. Adjusted for 831 cluste	rs in resp_id_que	estionaire)				
	<b>Relative Risk</b>	Robust Standard				
Husband's Occupational Status	Ratio	Error	Z	Р	95% Confide	nce Interval
Education_based		(base	outcome)			
Low						
Father's education	0.882	0.030	-3.720	0.000	0.825	0.942
Father's occupation (ref:						
business)						
Non-food production	10.724	4.376	5.810	0.000	4.820	23.862
Business	0.501	0.161	-2.160	0.031	0.267	0.939
Education-based	0.092	0.025	-8.950	0.000	0.055	0.155
_cons	1.992	0.345	3.980	0.000	1.419	2.796
Unskilled_labor						
Father's education	0.979	0.027	-0.760	0.448	0.928	1.033
Father's occupation (ref:						
business)						
Non-food production	0.537	0.292	-1.140	0.253	0.185	1.559
Business	0.223	0.069	-4.86	0	0.121	0.408
Education-based	0.031	0.009	-12.53	0	0.018	0.054
_cons	2.952	0.466	6.850	0.000	2.166	4.023
Skilled_labor						
Father's education	0.956	0.025	-1.670	0.095	0.908	1.008
Father's occupation (ref:						
business)						
Non-food production	2.492	1.292	1.76	0.078	0.902	6.886
Business	10.357	2.851	8.49	0	6.038	17.764
Education-based	0.404	0.103	-3.56	0	0.245	0.666
_cons	0.504	0.100	-3.44	0.001	0.341	0.744

# 2. Prediction 2: Arranged marriage predicts a younger age at marriage

Table 2.1 Model to test prediction 2, with	no interaction b	between arranged marriage and	d marriage to r	elative.		
Model outcome: Age at Marriage						
Independent variables: Arranged marriage	e + married to re	elative + daughter's education -	+ father's educa	ation + father's o	occupational sta	atus
Coefficients:						
	Beta	Robust Standard Error	t	р	95% Confi	dence Interval
(Intercept)	16.405	0.472	34.749	0.000	15.479	17.331
Marriage arranged (ref: love marriage)	-0.647	0.371	-1.743	0.082	-1.374	0.081
Married to spouse (ref: no)	-0.779	0.295	-2.644	0.008	-1.357	-0.201
Daughter's education	0.352	0.031	11.258	0.000	0.290	0.413
Father's education	-0.041	0.029	-1.427	0.154	-0.097	0.015
Father's occupation: Education-based						
(ref: business)	-0.076	0.347	-0.219	0.827	-0.756	0.604
Father's occupation: Non-food (ref:						
business)	0.713	0.382	1.867	0.062	-0.036	1.463
Father's occupation: Primary (ref:						
business)	0.462	0.321	1.437	0.151	-0.169	1.092
Residual standard error: 3.222 on 1303 de	egrees of freedo	m (29 observations deleted due	e to missingnes	ss)		
Multiple R-squared: 0.1379, Adjust	ted R-squared: (	0.1333	-			
F-statistic: 29.78 on 7 and 1303 DF, p-value	•					

Coefficients:						
		Robust Stand	lard			
	Beta	Error	t	р	95% Confid	ence Interval
(Intercept)	16.265	0.506	32.173	0.000	15.273	17.256
Marriage arranged (ref: love marriage)	-0.506	0.410	-1.233	0.218	-1.311	0.299
Married to spouse (ref: no)	-0.082	0.926	-0.089	0.929	-1.899	1.734
Daughter's education	0.352	0.031	11.277	0.000	0.291	0.413
Father's education	-0.041	0.028	-1.428	0.153	-0.097	0.015
Father's occupation: Education-based (ref:						
business)	-0.068	0.347	-0.197	0.844	-0.750	0.613
Father's occupation: Non-food (ref: business)	0.728	0.382	1.906	0.057	-0.021	1.477
Father's occupation: Primary (ref: business)	0.468	0.322	1.453	0.146	-0.164	1.099
Arranged marriage (ref: love) * Marriage to						
relative (ref: no)	-0.789	0.972	-0.812	0.417	-2.697	1.119
Residual standard error: 3.223 on 1302 degrees o	f freedom (29 obs	ervations deleted d	ue to missingness			

## 3. Prediction 3: Higher levels of market integration is associated with lower likelihood of having an arranged marriage

<b>bust Standard</b> <b>br t</b> 31 14.749 99 0.769	<b>p</b> 0.000	<b>95% Confi</b> 10.067	dence Interval 20.432
31 14.749	-		
	0.000	10.067	20.432
0.769			
	0.442	0.700	2.263
-2.392	0.017	0.282	0.882
55 0.860	0.390	0.677	2.718
	55 0.860		550.8600.3900.677

Model outcome: Arranged Marriage Independent variable: Agriculture							
Coefficients:							
		Robust					
	Odds Ratio	Standard Error	t	р	95% Confidence Interval		
(Intercept)	15.400	0.189	14.469	<2e-16	10.633	22.304	
Non-agricultural occupation (ref:							
agricultural)	0.874	0.234	-0.578	0.5631	0.552	1.381	
Null deviance: 649.35 on 1339 degree	s of freedom						
Residual deviance: 648.99 on 1338 de	grees of freedom						
AIC: 652.99	-						

### 4. Prediction 4: Women with lower educational attainment who enter love marriages will be more likely to marry a

### relative

Indonondant variables, arranged , daughter	's advestion , fat	hor's advestion	oval of market integrati	<b>a</b> n		
Independent variables: arranged + daughter Coefficients:	s education + fai	ner seducation + i	evel of market integrati	on		
coefficients.		Robust Standa	rd			
	Odds Ratio	Error	t	р	95% Confidence Inte	
(Intercept)	0.330	0.343	-3.228	0.001	0.169	0.647
Arranged marriage (ref: love marriage)	0.392	0.315	-2.977	0.003	0.212	0.726
Daughter's education	0.925	0.029	-2.638	0.008	0.873	0.980
Father's education	1.013	0.028	0.466	0.641	0.959	1.070
Market Integration: High (ref: low)	1.574	0.236	1.921	0.055	0.991	2.500
Market Integration: Low-Middle (ref: low)	0.812	0.319	-0.654	0.513	0.434	1.517
Market Integration: Middle-High (ref: low)	0.770	0.306	-0.856	0.392	0.423	1.401
Null deviance: 821.33 on 1313 degrees of f	reedom					
Residual deviance: 800.93 on 1307 degrees	of freedom					
(26 observations deleted due to missingnes	ss)					
AIC: 814.93						

		Robust Stand	ion + level of marke <b>ard</b>			
	Odds Ratio	Error	t	р	95% Confidence Interval	
(Intercept)	0.358	0.487	-2.109	0.035	0.138	0.930
Love marriage (ref: arranged						
marriage)	0.357	0.497	-2.072	0.038	0.135	0.946
Daughter's education	0.912	0.070	-1.315	0.189	0.794	1.046
Father's education	1.013	0.028	0.465	0.642	0.959	1.070
Market integration: High (ref: low)	1.572	0.236	1.919	0.055	0.990	2.496
Market integration: Low-Middle (ref:						
low)	0.808	0.322	-0.662	0.508	0.430	1.519
Market integration: Middle-High (ref:						
low)	0.769	0.306	-0.857	0.391	0.423	1.401
Love marriage * Daughter's education	0.364	0.071	0.241	0.810	0.885	1.170
Null deviance: 821.33 on 1313 degrees	of freedom					