

Supplement to:

Cheng, Yuan, John K. Dagsvik, Xuehui Han, and Zhiyang Jia. 2026. "Force of Attraction and Partner Availability in the U.S. Marriage Market: A Two-Sided Matching Model" *Sociological Science* 13: 178-213.

Appendix

Table A.1: Counts of Marriages and Singles by Group (Unweighted), 2010 and 2019.

Survey 2019—Unweighted				Female																		Single Male at Beginning of the Year
				White						Black						Others						
				High School			College			High School			College			High School			College			
				Younger than 24	24-38 year old	Older than 38	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	
White	High School	Younger than 26	470	145	14	241	175	10	6	2	0	5	0	0	34	8	0	15	12	0	297635	
		26-42 year old	112	787	136	68	1038	132	2	9	2	1	7	3	9	38	4	2	70	10	52413	
		Older than 42	6	87	805	2	96	672	0	4	4	0	2	6	1	10	29	1	19	39	103387	
		Younger	133	57	4	541	464	2	0	3	0	1	5	0	9	3	1	30	35	0	45787	
		Middle	61	461	63	129	3942	313	2	3	0	1	40	2	3	36	7	13	336	34	63162	
		Older	0	46	430	5	186	1133	0	1	6	0	3	24	1	15	28	0	21	90	88689	
	College	Younger	8	6	0	4	5	1	16	7	1	10	15	5	2	3	0	2	2	0	43056	
		Middle	1	15	6	3	18	3	5	58	19	3	85	23	1	7	2	0	7	1	13602	
		Older	0	2	11	0	3	16	1	7	109	1	6	78	0	1	4	0	0	2	20421	
		Younger	3	0	0	7	7	0	3	4	0	7	11	0	1	0	0	1	1	0	6059	
		Middle	1	12	1	4	59	7	5	39	5	2	188	22	0	3	0	1	29	2	8262	
		Older	0	6	7	0	4	22	1	10	40	1	23	107	0	0	2	0	1	7	10683	
Male	Black	High School	Younger	30	12	0	20	13	0	2	2	0	2	0	65	21	5	27	15	2	73669	
			Middle	4	41	5	2	64	5	0	2	1	4	0	17	124	39	11	98	17	12169	
			Older	0	4	15	0	5	20	1	0	3	0	1	3	3	14	95	2	10	34	11626
		College	Younger	9	0	0	22	22	1	0	0	0	2	0	8	6	3	27	28	2	11799	
			Middle	5	26	3	6	224	24	0	3	0	9	2	9	61	12	19	591	31	14896	
			Older	0	2	12	0	12	36	0	0	1	0	2	6	0	9	27	1	17	68	8684
Single Female at Beginning of the Year			263188	31284	153343	37708	66648	143606	37085	8549	29129	5485	11468	24590	67034	7756	19204	9371	16049	16085		

Survey 2010—Unweighted				Female																		Single Male at Beginning of the Year
				White						Black						Others						
				High School			College			High School			College			High School			College			
				Younger than 24	24-38 year old	Older than 38	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	
White	High School	Younger than 26	700	208	15	293	179	4	2	0	1	0	4	0	30	6	1	12	9	0	313237	
		26-42 year old	216	926	199	125	1017	163	2	5	0	0	6	3	10	29	11	0	52	4	44206	
		Older than 42	10	122	829	3	97	514	0	0	4	0	0	3	1	16	24	1	15	26	85562	
		Younger	175	60	1	597	546	7	2	0	0	5	4	0	8	4	0	23	30	2	39949	
		Middle	80	437	94	220	3362	275	0	3	1	1	18	2	6	26	3	8	216	16	43161	
		Older	5	62	436	10	206	983	0	2	4	0	4	5	2	13	22	1	33	59	67109	
	College	Younger	8	0	1	2	4	0	40	15	5	16	17	0	8	3	0	0	2	1	55237	
		Middle	6	25	6	1	29	5	10	94	27	2	102	30	1	8	2	0	5	0	12114	
		Older	1	8	10	0	3	10	3	22	169	0	21	89	0	2	3	0	0	2	17257	
		Younger	2	2	0	5	6	0	11	6	0	17	21	0	1	0	0	2	0	0	5034	
		Middle	2	20	2	1	66	8	5	31	5	9	196	28	1	9	0	2	16	0	6481	
		Older	0	3	5	0	11	12	0	10	51	0	29	91	0	1	3	0	2	4	7669	
Male	Black	High School	Younger	28	19	1	11	13	2	2	1	0	1	2	0	111	33	2	25	13	3	70105
			Middle	6	43	7	4	51	9	0	2	2	1	4	0	41	164	31	11	86	10	9674
			Older	0	4	22	0	1	15	0	2	3	0	1	4	1	23	65	0	6	34	8221
		College	Younger	8	3	0	22	19	1	1	0	0	3	4	0	25	5	0	32	39	0	8143
			Middle	3	24	1	15	149	15	0	4	0	0	8	0	10	54	12	21	471	24	8870
			Older	0	6	12	1	10	14	0	0	0	0	1	0	2	11	21	2	26	65	5405
Single Female at Beginning of the Year			279294	28497	150754	34800	53702	112943	48764	9302	30193	5139	11053	20206	63596	7040	15600	6517	10737	10694		

Table A.2: Counts of Marriages and Singles by Group (Weighted), 2010 and 2019.

Survey 2019—Weighted			Female																		Single Male at Beginning of the Year	
			White						Black						Others							
			High School			College			High School			College			High School			College				
			Younger than 24	24-38 year old	Older than 38	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older		
Male	White	High School	Younger than 26	96851	31217	3443	51841	32355	1549	1401	323	0	1238	0	0	6570	2449	0	2883	2599	0	31479995
		College	26-42 year old	25467	169744	27168	16488	210897	23426	475	1978	197	391	1502	1704	1902	8493	435	493	15111	2881	6296098
			Older than 42	1276	15181	142571	853	17852	122906	0	1009	1087	0	450	1140	349	1926	5558	324	3578	7797	9454922
			Younger	32090	9990	794	106485	94410	218	0	606	0	94	869	0	2219	815	194	7102	7194	0	5139261
		Black	Middle	13329	96628	14921	26277	781726	62551	162	1031	0	319	9646	331	506	7706	1337	2985	67757	6456	7666215
			Older	0	10222	73347	1450	36159	201326	0	242	2190	0	481	4337	122	2683	5414	0	3877	16675	8209719
	Younger		2674	1242	0	703	1431	1204	4203	2780	70	3853	5281	1276	401	929	0	381	504	0	6813946	
	Black	High School	Middle	679	4000	1418	863	3586	692	2364	21533	6423	513	26099	8217	126	1535	377	0	1417	46	1938615
			Older	0	450	3072	0	917	2863	347	2212	30576	215	2560	20384	0	147	628	0	252	2304133	
			Younger	1202	0	0	1735	1263	0	626	570	0	3052	5475	0	137	0	0	775	144	0	936680
		College	Middle	243	3512	107	1098	17248	1201	2869	12861	834	390	66637	6953	0	534	0	534	8849	416	1499792
			Older	0	913	1674	0	1187	4236	745	1988	10414	210	9486	30695	0	0	396	0	95	1920	1352690
			Younger	6224	2229	0	4277	1874	0	374	1203	0	794	0	0	14753	7132	968	5368	4556	657	8848629
	Others	High School	Middle	412	9448	833	269	14082	996	0	992	439	120	1239	0	4087	40498	9618	3322	29432	4284	1654269
			Older	0	635	2350	0	979	4614	239	0	571	0	136	581	453	2453	22170	214	1498	6455	1300202
			Younger	1437	0	0	5137	4212	94	0	0	0	0	629	0	3597	1182	1244	6240	5744	1106	1372535
		College	Middle	1069	5078	559	1120	46934	5313	0	806	0	0	2951	368	2018	14750	3268	4631	131546	6311	1955491
			Older	0	273	1922	0	2138	4810	0	0	68	0	305	723	0	2109	3948	234	3545	12948	928261
Younger			27821644	3933283	13656962	4124054	8077486	13339385	6026204	1475029	3423883	800056	2081348	3113193	7986632	1063855	2199317	1073271	2099317	1739589		
Single Female at Beginning of the Year			27821644	3933283	13656962	4124054	8077486	13339385	6026204	1475029	3423883	800056	2081348	3113193	7986632	1063855	2199317	1073271	2099317	1739589		

Survey 2010—Weighted			Female																		Single Male at Beginning of the Year	
			White						Black						Others							
			High School			College			High School			College			High School			College				
			Younger than 24	24-38 year old	Older than 38	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older		
Male	White	High School	Younger than 26	151859	46246	3175	59355	38076	765	507	0	160	0	888	0	6488	1454	116	3167	1632	0	32730856
		College	26-42 year old	48267	202723	41586	25915	201161	30551	713	1185	0	0	1122	783	2360	5835	2190	0	10311	564	5842014
			Older than 42	2602	21955	149147	355	18202	97967	0	0	914	0	0	855	178	4157	5805	334	2724	4827	8579843
			Younger	38202	13385	392	117300	107818	1086	225	0	1508	1002	0	1028	967	0	5559	6917	238	5139503	
		Black	Middle	16272	88386	20890	42523	696439	57753	0	1000	128	357	3935	272	1001	6231	829	1895	41831	3309	6123477
			Older	1179	12802	83449	2034	44741	176415	0	398	599	0	745	1207	439	2296	4231	131	6295	11229	6848545
	Younger		1376	0	183	579	1498	0	10249	4543	2053	3591	4431	0	1955	886	0	0	556	276	7205870	
	Black	High School	Middle	952	4586	1406	241	7180	908	2862	27812	5915	793	23632	7485	194	1945	575	0	1451	0	1646329
			Older	235	1967	2123	0	496	1787	527	6628	34028	0	5131	19718	0	1652	786	0	0	347	2070716
			Younger	620	496	0	1078	1333	0	3061	1694	0	5212	4486	0	131	0	0	1093	0	0	739527
		College	Middle	279	6423	432	721	16494	1362	1868	8138	1595	3215	50729	6813	107	2630	0	512	5800	0	1053979
			Older	0	1413	951	0	2222	3025	0	1413	11733	0	8590	23053	0	155	717	0	708	820	963133
			Younger	4882	2977	119	2382	3242	315	431	205	0	112	218	0	29685	8323	634	4952	3349	797	8203402
	Others	High School	Middle	1506	8886	2146	774	10698	1554	0	390	650	49	574	0	9849	43042	7619	3000	21058	2620	1401800
			Older	0	647	4568	0	125	3183	0	334	559	0	152	810	107	4972	13914	0	2556	5524	935045
			Younger	2336	521	0	5231	4264	374	216	0	0	1646	1105	0	6502	2011	0	7525	7623	0	1073285
		College	Middle	869	4576	82	4294	28918	2638	0	631	0	0	1395	0	2157	13643	2304	5865	102029	5600	1279108
			Older	0	1506	3361	32	1866	2185	0	0	0	0	128	0	540	1890	4047	677	4756	12241	596327
Younger			28909628	3612669	13958102	4252609	6600588	10857800	6472458	1304152	3269067	780241	1600566	2304423	7335437	980464	1709090	833990	1399316	1141445		
Single Female at Beginning of the Year			28909628	3612669	13958102	4252609	6600588	10857800	6472458	1304152	3269067	780241	1600566	2304423	7335437	980464	1709090	833990	1399316	1141445		

Table A.3: Estimated Force of Attraction Parameters for 2019 and 2010.

Survey 2019			Female																			
			White						Black						Others							
			High School			College			High School			College			High School			College				
			Younger than 24	24-38 year old	Older than 38	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older		
Male	White	High School	Younger than 26	0.6	1.7	0.0	2.2	1.0	0.0	0.1	0.1	0.0	0.3	0.0	0.0	0.2	0.4	0.0	0.6	0.3	0.0	
		High School	26-42 year old	0.9	54.1	1.9	3.7	35.2	1.9	0.1	2.1	0.1	0.4	1.4	0.3	0.3	10.8	0.4	0.4	9.6	1.3	2.4
			Older than 42	0.0	3.0	5.4	0.1	1.6	4.9	0.0	0.5	0.1	0.2	0.2	0.2	0.0	1.3	1.6	0.2	1.3	2.4	0.1
			College	Younger	1.2	4.3	0.1	33.6	17.4	0.0	0.1	1.1	0.1	0.4	1.0	0.1	0.3	0.9	0.1	7.5	5.5	0.1
		College	Middle	0.4	28.3	0.7	6.2	116.9	4.0	0.1	0.8	0.1	0.3	6.7	0.1	0.1	9.0	0.6	2.6	40.9	3.7	7.1
			Older	0.0	2.0	3.5	0.2	3.9	10.2	0.0	0.1	0.1	0.2	0.2	0.4	1.2	0.0	2.5	1.7	0.1	2.0	0.1
	High School		Younger	0.1	0.5	0.0	0.3	0.2	0.0	1.0	2.2	0.2	4.3	3.2	0.5	0.1	1.0	0.1	0.5	0.3	0.1	
	Black	High School	Middle	0.0	3.8	0.3	0.8	2.4	0.2	1.2	55.3	5.2	4.1	59.5	7.4	0.1	7.1	0.8	0.8	4.1	0.5	
		High School	Older	0.0	0.3	0.4	0.1	0.3	0.6	0.4	4.7	18.8	0.9	3.1	16.2	0.1	0.7	1.0	0.5	0.3	0.6	
			College	Younger	0.2	0.6	0.1	3.2	1.9	0.1	1.8	8.0	0.6	24.5	16.5	0.7	0.2	2.2	0.9	3.6	1.1	1.1
			Middle	0.0	5.1	0.1	1.4	13.0	0.7	1.7	63.4	2.6	4.7	226.8	12.5	0.2	5.3	0.7	1.4	25.7	1.6	
		College	Older	0.0	1.9	0.5	0.3	0.6	1.6	0.3	1.4	13.6	1.8	22.5	43.4	0.1	1.3	1.0	1.0	1.3	4.2	
			High School	Younger	0.2	0.6	0.0	0.7	0.3	0.0	0.1	0.3	0.0	0.5	0.1	0.1	1.4	3.9	0.4	4.1	1.5	0.2
	Middle		0.1	12.1	0.3	0.5	9.3	0.4	0.2	2.0	0.3	1.6	3.1	0.4	2.2	148.5	18.9	10.2	58.9	9.8		
	Others	High School	Older	0.0	1.2	0.9	0.2	0.7	1.2	0.2	1.0	1.2	1.6	0.8	1.1	0.4	19.0	44.4	1.9	5.9	18.9	
		High School	Younger	0.3	0.3	0.1	5.4	3.3	0.1	0.2	1.0	0.3	1.6	1.6	0.4	1.0	6.9	1.4	26.9	17.4	1.1	
			Middle	0.2	6.6	0.2	1.2	28.2	1.5	0.2	3.5	0.3	1.3	6.5	0.6	1.1	62.4	4.5	16.4	293.1	14.6	
			Older	0.0	0.8	0.9	0.3	2.3	3.6	0.3	1.4	0.8	2.2	2.1	2.9	0.2	15.9	16.8	2.6	14.4	55.4	

Survey 2010			Female																			
			White						Black						Others							
			High School			College			High School			College			High School			College				
			Younger than 24	24-38 year old	Older than 38	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older		
Male	White	High School	Younger than 26	0.8	2.5	0.0	2.8	1.2	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.2	0.3	0.0	0.6	0.3	0.0	
		High School	26-42 year old	1.8	79.0	3.0	8.4	48.0	3.3	0.1	1.2	0.1	0.4	1.3	0.3	0.4	9.9	1.6	0.4	12.1	0.9	
			Older than 42	0.0	5.4	6.5	0.1	2.4	5.4	0.0	0.1	0.2	0.2	0.1	0.2	0.0	2.8	1.8	0.2	1.8	2.9	
			College	Younger	1.6	5.6	0.0	44.6	28.5	0.2	0.1	0.3	0.1	2.5	0.9	0.1	0.3	1.5	0.2	9.0	7.7	0.5
		College	Middle	0.7	38.2	1.5	15.2	163.0	5.8	0.0	0.7	0.1	0.5	3.9	0.2	0.2	9.1	0.4	2.9	51.5	3.5	
			Older	0.0	3.5	4.4	0.4	6.5	13.5	0.0	0.3	0.2	0.3	0.6	0.4	0.0	2.9	2.1	0.2	5.0	8.5	
	High School		Younger	0.1	0.1	0.0	0.1	0.1	0.0	1.5	3.0	0.3	5.7	2.9	0.1	0.2	0.8	0.1	0.3	0.4	0.2	
	Black	High School	Middle	0.2	7.8	0.3	0.2	5.0	0.4	1.7	85.1	7.5	3.2	79.4	12.4	0.1	10.0	1.1	1.3	4.2	0.8	
		High School	Older	0.0	1.7	0.4	0.2	0.3	0.5	0.4	14.0	32.7	1.1	11.5	26.1	0.1	1.7	1.1	0.9	0.6	1.1	
			College	Younger	0.1	1.5	0.1	3.0	2.5	0.2	4.5	13.1	0.7	66.4	39.3	1.0	0.3	3.0	1.3	6.2	2.1	1.9
			Middle	0.1	11.6	0.2	0.5	21.3	1.1	1.6	52.4	2.6	27.2	284.8	21.7	0.2	20.9	1.0	4.8	25.4	1.5	
		College	Older	0.0	1.4	0.4	0.4	3.0	1.4	0.3	14.3	22.7	2.6	35.7	60.1	0.2	2.0	3.4	2.0	2.6	5.0	
			High School	Younger	0.1	1.0	0.0	0.5	0.4	0.0	0.1	0.2	0.0	0.3	0.3	0.1	2.5	7.1	0.2	5.6	1.9	0.4
	Middle		0.2	16.8	0.5	1.2	11.0	0.8	0.2	2.2	0.7	2.0	3.9	0.5	6.7	257.1	21.4	17.9	91.2	9.9		
	Others	High School	Older	0.0	1.8	1.8	0.4	0.3	1.6	0.3	2.6	1.2	2.4	1.2	2.4	0.2	44.1	51.3	1.9	7.6	39.5	
		High School	Younger	0.4	1.4	0.1	8.1	4.8	0.1	0.3	1.4	0.4	7.2	4.6	0.6	4.9	9.3	0.8	61.6	49.2	1.2	
			Middle	0.1	10.2	0.1	5.1	35.1	1.5	0.2	4.9	0.4	2.2	8.5	0.6	1.8	91.9	8.8	37.1	548.1	26.0	
			Older	0.1	4.2	1.5	0.6	3.9	2.3	0.4	2.1	0.6	3.7	1.8	0.9	0.6	30.8	25.3	5.7	49.8	115.3	

Table A.4: Impact of Force of Attraction Changes on Number of Matches: A Comparison Between 2019 and 2010

		Female																		Net changes of marriages of males		
		White						Black						Others								
		High School			College			High School			College			High School			College					
		Younger than 24	24-38 year old	Older than 38	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older			
Male	White	High School	Younger than 26	-146	-69	2	-57	-31	5	5	1	-1	4	-4	-1	4	2	-1	0	-1	-1	-289
			26-42 year old	-112	-338	-87	-83	-354	-97	0	4	1	0	1	0	-2	4	-11	0	-16	3	-1087
			Older than 42	-3	-69	-174	-2	-45	-82	-1	3	-1	-1	1	2	1	-11	-5	0	-7	-7	-401
		College	Younger	-46	-16	3	-168	-284	-7	-2	3	-1	-5	0	-1	1	-2	0	-6	-14	-3	-548
			Middle	-35	-152	-62	-183	-1477	-134	1	0	-1	0	18	-1	-5	0	2	-1	-79	2	-2107
			Older	-6	-39	-119	-8	-130	-405	-1	-1	1	-1	-1	17	-2	-3	-7	-2	-37	-19	-763
	Black	High School	Younger	2	5	-1	2	2	1	-8	-3	-1	-3	1	4	-5	0	-1	1	0	-1	-5
			Middle	-5	-15	-1	3	-20	-4	-2	-32	-8	1	-28	-16	0	-3	-1	-2	0	-1	-134
			Older	-1	-8	0	-1	0	1	0	-15	-79	0	-18	-48	-1	-1	0	-2	-2	-1	-176
		College	Younger	1	-3	-1	1	-2	-2	-6	-3	-1	-13	-15	-1	0	-1	-1	-1	-1	-2	-51
			Middle	-1	-14	-1	3	-37	-4	0	8	0	-10	-47	-17	-1	-9	-3	-2	1	0	-132
			Older	-1	2	1	-1	-15	2	0	-2	-27	0	-15	-41	-1	-2	-5	-2	-2	-1	-110
	Others	High School	Younger	2	-10	-1	8	4	-3	0	1	-1	1	-2	-1	-56	-17	2	-10	-4	-3	-98
			Middle	-3	-15	-4	-3	-10	-8	-1	0	-1	0	-1	-1	-35	-90	-5	-8	-52	0	-237
			Older	-1	-2	-15	-2	3	-6	0	-3	0	-1	0	-4	2	-21	-15	0	-3	-37	-105
		College	Younger	-1	-5	-1	-11	-10	-1	-1	-1	-1	-5	-4	-2	-29	-2	1	-36	-53	0	-162
			Middle	2	-14	2	-19	-50	-1	-1	-2	-1	-2	-3	0	-6	-28	-11	-25	-491	-24	-674
			Older	-1	-8	-7	-2	-7	15	-1	-1	0	-2	0	4	-3	-9	-13	-2	-43	-79	-159
Net changes of marriages of females		-355	-770	-466	-523	-2471	-730	-18	-43	-122	-37	-117	-107	-138	-193	-72	-98	-804	-174	-7238		

Table A.5: Impact of Choice Set Changes on Number of Matches: A Comparison Between 2019 and 2010

		Female																		Net changes of marriages of males			
		White						Black						Others									
		High School			College			High School			College			High School			College						
		Younger than 24	24-38 year old	Older than 38	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older				
Male	White	High School	Younger than 26	-77	8	-1	8	31	1	-1	1	0	1	0	1	0	0	4	4	1	-19		
			26-42 year old	11	212	28	26	397	69	0	0	1	1	1	1	1	2	7	4	2	35	3	800
			Older than 42	1	38	171	1	46	263	1	1	1	1	1	1	0	5	11	1	12	20	1	575
		College	Younger	7	13	0	119	205	3	0	1	1	1	1	1	1	1	1	14	20	1	390	
			Middle	20	198	32	95	2182	188	1	1	0	0	7	1	2	12	2	7	211	16	2975	
			Older	1	26	136	4	125	643	1	0	1	1	1	3	1	6	13	1	30	56	1049	
	Black	High School	Younger	-2	1	0	0	1	-17	-4	-1	-3	-3	1	-1	0	1	1	0	0	-26		
			Middle	0	5	1	0	10	2	-2	0	1	0	14	10	0	2	1	2	3	2	51	
			Older	0	2	2	1	1	5	0	1	20	1	4	37	1	0	1	2	2	1	81	
		College	Younger	0	1	1	1	3	2	-1	1	1	4	5	1	0	1	1	1	2	2	26	
			Middle	0	6	0	0	33	4	0	3	1	3	49	13	0	3	1	1	13	2	132	
			Older	1	1	2	1	8	9	1	2	16	1	12	59	1	1	3	2	2	4	126	
	Others	High School	Younger	0	3	0	1	4	1	0	0	1	0	0	1	12	5	1	13	7	2	51	
			Middle	1	14	2	1	25	5	1	0	0	0	1	1	11	54	15	8	68	8	215	
			Older	1	2	9	2	1	11	1	1	1	1	0	3	0	13	46	2	7	37	138	
		College	Younger	3	2	1	12	14	1	0	1	1	2	2	2	12	3	2	33	44	2	137	
			Middle	1	17	1	10	137	15	1	2	1	2	5	2	6	38	11	25	619	32	925	
			Older	1	4	7	1	9	14	1	1	2	2	1	2	1	8	19	2	35	88	198	
Net changes of marriages of females		-31	553	392	283	3231	1237	-13	12	48	18	101	140	49	159	133	121	1114	277	7824			

Table A.6: Impact of Distributional Changes of women on Number of Matches in 2019

			Female																		Net changes of marriages of males		
			White						Black						Others								
			High School			College			High School			College			High School			College					
			Younger than 24	24-38 year old	Older than 38	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older			
Male	White	High School	Younger than 26	-58	6	-1	7	27	2	-2	0	-1	0	-1	-1	0	0	-1	4	4	-1	-16	
		High School	26-42 year old	-14	32	-6	2	161	23	-1	-1	0	0	0	1	0	2	1	1	21	3	225	
		High School	Older than 42	-1	4	-31	0	15	119	-1	-1	0	-1	0	1	0	0	4	1	6	12	127	
		College	Younger	-15	2	0	15	71	0	-1	-1	-1	0	0	-1	0	0	0	8	11	-1	87	
			Middle	-8	20	-2	4	620	56	-1	-1	-1	0	0	0	0	1	1	4	103	10	806	
			Older	-1	2	-17	0	31	213	-1	0	-1	-1	0	3	0	1	4	-1	8	29	269	
	Black	High School	Younger	-1	0	-1	0	1	0	-6	-1	0	0	0	1	0	0	-1	1	-1	-1	-7	
		High School	Middle	0	1	0	0	3	0	-2	-9	-2	0	-1	3	0	0	0	-1	2	0	-6	
		High School	Older	-1	0	0	-1	1	3	-1	-1	-10	0	0	10	-1	0	1	-1	-1	-1	-1	
		College	Younger	0	-1	-1	0	1	-1	-2	-1	-1	0	0	-1	0	-1	0	-1	1	0	-1	-9
			Middle	0	1	0	0	10	1	-2	-6	-1	0	-3	3	-1	0	-1	0	9	1	11	
			Older	-1	0	0	-1	1	4	0	-1	-4	0	0	15	-1	-1	0	-1	1	2	13	
Others	High School	Younger	-4	1	-1	1	2	-1	-1	0	-1	0	-1	0	1	1	8	5	1	10			
	High School	Middle	0	2	0	0	10	1	-1	0	0	0	-1	0	6	6	3	30	5	61			
	High School	Older	-1	0	-1	-1	1	3	0	-1	0	-1	0	0	1	14	1	3	10	28			
	College	Younger	-1	-1	-1	1	4	0	-1	-1	-1	-1	0	-1	0	0	8	9	1	15			
		Middle	-1	1	0	0	36	5	-1	-1	-1	-1	0	0	0	3	2	6	178	10	236		
		Older	-1	0	0	-1	2	7	-1	-1	0	-1	0	1	-1	0	4	1	5	22	36		
Net changes of marriages of females			-108	70	-62	26	997	435	-25	-27	-25	-6	-6	32	-4	13	34	43	395	103	1885		

Table A.7: Impact of Distributional Changes of men on Number of Matches in 2019

			Female																		Net changes of marriages of males	
			White						Black						Others							
			High School			College			High School			College			High School			College				
			Younger than 24	24-38 year old	Older than 38	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older		
Male	White	High School	Younger than 26	-66	-20	-2	-33	-24	-1	-1	0	-1	-1	-1	-1	-5	-1	-1	-2	-1	-163	
		High School	26-42 year old	4	30	5	3	40	5	0	0	0	0	0	0	0	1	0	0	3	0	91
		High School	Older than 42	1	8	78	0	9	65	-1	0	0	-1	0	1	0	1	3	0	2	4	170
		College	Younger	5	2	0	16	13	0	-1	0	-1	0	0	-1	0	0	0	1	1	-1	34
			Middle	12	90	12	25	761	62	0	1	-1	0	8	0	1	7	1	3	65	6	1053
			Older	-1	8	76	1	33	206	-1	0	1	-1	1	4	0	3	5	-1	4	16	354
	Black	High School	Younger	-3	-2	-1	-2	-2	-1	-6	-3	-1	-4	-6	-2	-1	-1	-1	-1	-1	-1	-39
		High School	Middle	0	0	0	0	0	0	1	0	0	2	0	0	0	0	-1	0	0	2	
		High School	Older	-1	0	1	-1	0	1	0	1	8	0	1	6	-1	0	0	-1	-1	0	13
		College	Younger	0	-1	-1	1	1	-1	0	0	-1	1	1	-1	0	-1	-1	0	0	-1	-4
			Middle	0	1	0	0	7	1	1	5	1	0	21	3	-1	0	-1	0	3	0	41
			Older	-1	1	2	-1	1	5	0	2	8	0	5	23	-1	-1	0	-1	0	1	43
Others	High School	Younger	-1	0	-1	-1	0	-1	0	-1	0	-1	-1	-2	-1	0	-1	0	0	-11		
	High School	Middle	0	4	1	0	7	1	-1	0	0	0	-1	2	14	4	1	11	2	45		
	High School	Older	-1	1	4	-1	1	4	0	-1	1	-1	0	1	1	4	21	0	2	8	44	
	College	Younger	2	-1	-1	6	6	0	-1	-1	-1	-1	0	-1	2	1	1	7	7	0	25	
		Middle	2	8	1	2	72	9	-1	1	-1	-1	3	1	3	19	4	6	182	10	320	
		Older	-1	1	4	-1	4	13	-1	-1	1	-1	1	2	-1	3	8	1	6	23	61	
Net changes of marriages of females			-49	130	178	14	929	368	-13	5	12	-10	35	33	-3	48	43	11	282	66	2079	

Table A.8: The Choo-Siow Transfers in 2019

Survey 2019			Female																	
			White						Black						Others					
			High School			College			High School			College			High School			College		
			Younger than 24	24-38 year old	Older than 38	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older
Male	White	High School	Younger than 26	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	
		High School	26-42 year old	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
			Older than 42	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			College	Younger	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
		College	Middle	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
			Older	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
	High School		Younger	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	
	Black	Middle	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	
		Older	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	
		College	Younger	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	
	College	Middle	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	
		Older	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	
High School		Younger	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6		
Others	Middle	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5		
	Older	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9		
	College	Younger	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6		
College	Middle	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		
	Older	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		

Note: Across women groups, the numbers only differ in the sixth decimal place.

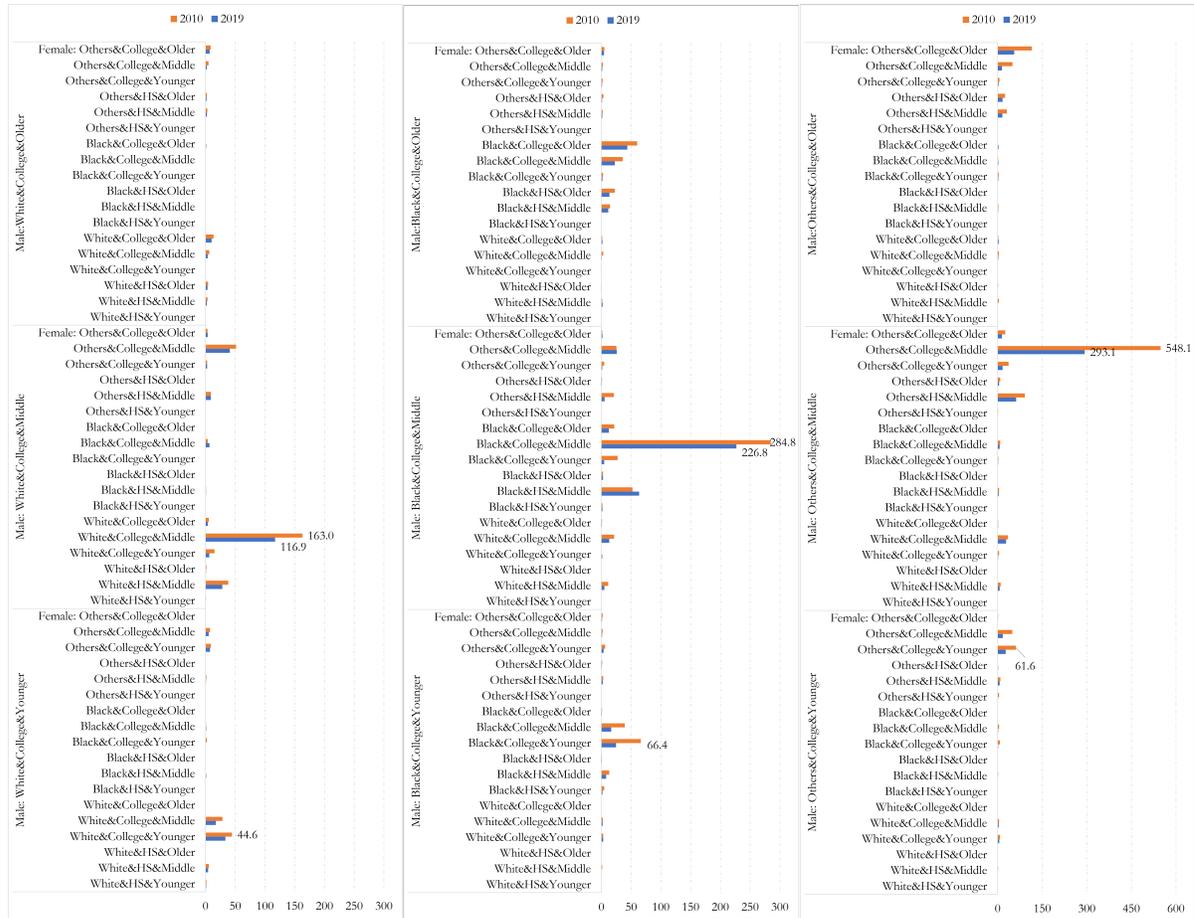
Table A.9: Transfer Changes: Differences Between 2019 and 2010

Survey 2019			Female																	
			White						Black						Others					
			High School			College			High School			College			High School			College		
			Younger than 24	24-38 year old	Older than 38	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older	Younger	Middle	Older
Male	White	High School	Younger than 26	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03		
		High School	26-42 year old	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05		
			Older than 42	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
			College	Younger	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05		
		College	Middle	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11		
			Older	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12		
	High School		Younger	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14			
	Black	Middle	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04			
		Older	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02				
		College	Younger	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03				
	College	Middle	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02				
		Older	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10					
High School		Younger	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03						
Others	Middle	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05						
	Older	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10							
	College	Younger	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18							
College	Middle	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21								
	Older	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21								

Figure A.1: Estimated Force of Attraction Parameters C_{ij} for 2019 and 2010: men with high school education



Figure A.2: Estimated Force of Attraction Parameters c_{ij} for 2019 and 2010: men with college education



Note: The upper bounds of the x-axis in the last two charts are 800 and 950, respectively, which are much higher than the other four charts, set at 300.