Replication Results For The Experiments For

Agent-Based Taxation And Almsgving Model For Social Justice

Replication	Only trade with ten dollars		
	proportion	kurtosis	skewness
1	1.692204615	0.079966453	1.059726602
2	1.718001061	0.382643087	1.199106674
3	1.58515345	0.029138468	0.899362369
4	1.733596539	0.836726255	1.234122295
5	1.588641657	0.842947322	1.207975463
6	1.745328961	0.514560385	1.125593367
7	1.682078755	-0.213498595	0.975402098
8	1.820064964	0.280590634	1.203350896
9	1.630347674	1.272419392	1.396998898
10	1.80435123	1.623027077	1.376713213
11	1.677798062	1.466427183	1.360573648
12	1.640746107	0.471626857	1.102623991
13	1.66796921	0.828255401	1.305858352
14	1.532956688	0.674243102	1.122677264

15	1.571526297	-0.198538579	0.890496411
16	1.62351592	0.698996389	1.235719037
17	1.691498702	-0.015275145	1.005751851
18	1.647952583	0.959208468	1.346611468
19	1.770838403	0.608532074	1.129050522
20	1.806004105	0.55033174	1.282327235

Replication		1/100 Zakat	
	proportion	kurtosis	skewness
1	0.809304846	-1.127306243	0.264105424
2	0.796523186	-1.195034909	0.181188524
3	0.836869725	-0.406075559	0.633806978
4	0.829172782	-1.393409815	0.010403865
5	0.807726496	-0.203213138	0.503927914
6	0.801188727	-1.07024634	0.179483903
7	0.811783325	-0.312716743	0.452461054
8	0.831118087	-1.011347921	0.336655196
9	0.822074833	-1.196689779	0.139228302
10	0.773875676	-1.141440296	0.218373093

11	0.795928616	-0.842605529	0.459049598
12	0.773530806	-1.177872163	0.174011506
13	0.776549359	-0.818335828	0.028858545
14	0.777519229	-1.421904469	-0.008319236
15	0.853782326	-0.439673031	0.363536437
16	0.781833963	-0.975109922	0.152313824
17	0.808461424	-0.12807161	0.36939463
18	0.804178341	-1.108793086	0.149945892
19	0.833052678	-1.054834462	-0.075084688
20	0.835982992	-0.787523707	0.536687927
Replication		1/40 Zakat	
	proportion	kurtosis	skewness
1	0.544690109	-0.892222031	0.554077617
1	0.544690109 0.56650432	-0.892222031 -1.038982984	0.554077617 0.513449738
1 2 3	0.544690109 0.56650432 0.560918661	-0.892222031 -1.038982984 -1.312177518	0.554077617 0.513449738 0.095539921
1 2 3 4	0.544690109 0.56650432 0.560918661 0.558348887	-0.892222031 -1.038982984 -1.312177518 -1.496611109	0.554077617 0.513449738 0.095539921 0.127282224
1 2 3 4 5	0.544690109 0.56650432 0.560918661 0.558348887 0.570135362	-0.892222031 -1.038982984 -1.312177518 -1.496611109 -1.212340934	0.554077617 0.513449738 0.095539921 0.127282224 0.23997887

7	0.555991869	-0.873769593	0.515296548
8	0.570623172	-1.413502101	0.208383397
9	0.561363002	-1.246293955	0.236056376
10	0.564350926	-0.551506062	0.579572601
11	0.554724072	-0.921607067	0.548988398
12	0.552533442	-0.533869964	0.599098988
13	0.538087497	-0.644801555	0.506574849
14	0.553632494	-1.129931795	0.284325934
15	0.597359306	-0.801721098	0.471554326
16	0.576268542	-1.144942728	0.137408894
17	0.58955469	-0.659705028	0.559983686
18	0.551897215	-1.168389964	0.270217508
19	0.559070674	-1.31958068	0.282015762
20	0.56045667	-0.905270622	0.600758104

Replication	1/10 Zakat		
	proportion	kurtosis	skewness
1	0.435018598	-0.905652117	0.618484231
2	0.431743844	-1.419298662	0.36805785

3	0.431044345	-1.171581195	0.411024521
4	0.421536013	-1.437460384	0.350201522
5	0.420768645	-1.439910129	0.391629191
6	0.424839021	-0.605223709	0.601114102
7	0.429003135	-0.946061334	0.520889695
8	0.424567151	-0.304130955	0.773540305
9	0.432040024	-0.547591244	0.680939999
10	0.422848114	-0.822313937	0.567556959
11	0.424802153	-1.081863254	0.457957371
12	0.421347497	-0.758871712	0.458041466
13	0.419080256	-0.980472761	0.485277937
14	0.420068438	-0.814112532	0.535254484
15	0.429114011	-1.178642932	0.43291676
16	0.425792367	-1.339272208	0.250608127
17	0.424055617	-0.962555212	0.561134403
18	0.422296946	-0.330356105	0.801315279
19	0.430104919	-0.474368424	0.653441007
20	0.423692146	-0.28734503	0.59394832

Replication	1/10 taxation to bottom 10%			
	proportion	kurtosis	skewness	
1	0.534445318	3.373091603	1.786937466	
2	0.531741509	3.005711473	1.709218981	
3	0.550854956	3.556587841	1.815826374	
4	0.540223107	3.235577023	1.721271392	
5	0.551852984	1.559033694	1.424339388	
6	0.552446279	1.894935797	1.530877708	
7	0.561937087	4.019034611	1.891324475	
8	0.602868647	4.07324161	1.880742862	
9	0.604854294	6.173794472	2.232504586	
10	0.57036942	3.559540852	1.930354124	
11	0.57036942	3.559540852	1.930354124	
12	0.553647685	4.240238315	1.970248633	
13	0.581379466	1.461149108	1.368953368	
14	0.555685835	1.655544318	1.518366014	
15	0.601987861	5.3764386	2.133291374	
16	0.651776096	5.705540274	2.123726534	

17	0.552284449	1.781908412	1.521142771
18	0.559005179	4.011231427	1.944279856
19	0.542004879	2.284795806	1.607419878
20	0.536969829	4.732227549	2.137467181

Replication	1/10 taxation to bottom 50%			
	proportion	kurtosis	skewness	
1	0.538332164	2.525648008	1.642963598	
2	0.557050493	0.958278588	1.22777311	
3	0.640491984	0.687644748	1.242451168	
4	0.641104057	0.541522374	1.167886875	
5	0.62288728	1.053820327	1.252268281	
6	0.623850982	0.526611174	1.177920008	
7	0.632247057	0.380111095	0.895982421	
8	0.604901963	-0.283292512	0.898493291	
9	0.676304015	-0.129978021	0.965896953	
10	0.602935871	1.359410684	1.39946553	
11	0.600133652	0.732520574	1.205262929	

12	0.59196329	0.215796415	1.08481631
13	0.61638761	0.497056774	1.134095135
14	0.608398851	0.641845845	1.006780815
15	0.626222176	0.253640555	1.168155955
16	0.629994768	0.648505207	1.258346058
17	0.657467616	1.401570762	1.349252204
18	0.614359409	-0.281680387	0.954343265
19	0.583522566	-0.081569599	1.050848832
20	0.615786338	0.110755278	1.035253178

Replication	2/10 taxation to bottom 10%		
	proportion	kurtosis	skewness
1	0.33185233	5.135519079	2.210496517
2	0.335767892	2.422097731	1.634016326
3	0.333144666	3.329787631	1.905089403
4	0.339915234	0.340084014	1.248474308
5	0.327377881	1.097295348	1.540681663
6	0.333698377	4.148250937	1.99535222

7	0.340308177	2.577009393	1.764635188
8	0.338571393	2.211199788	1.694890484
9	0.335984439	4.053208474	2.027125207
10	0.325642125	0.494600356	1.237069389
11	0.320800471	0.633885769	1.405747216
12	0.331148587	6.081444467	2.317029981
13	0.325513644	5.511801362	2.277649641
14	0.344789782	2.990120705	1.811867515
15	0.330666063	4.919374531	2.11237386
16	0.3268447	1.916099261	1.581466797
17	0.327712866	5.377893943	2.331518697
18	0.329498587	2.771101409	1.73751864
19	0.320432002	3.854469095	2.031865057
20	0.327125955	5.228877248	2.230258688

Replication	2/10 taxation to bottom 50%		
	proportion	kurtosis	skewness
1	0.34587389	2.09357886	1.637711454

2	0.358399876	0.258686052	1.286230988
3	0.362649451	1.980725578	1.593148245
4	0.341955047	0.628295722	1.365038818
5	0.33954128	1.551828781	1.574736826
6	0.353639003	1.754960428	1.531716356
7	0.357116375	-0.03488247	1.141389842
8	0.361212863	0.165144265	1.165027647
9	0.361105872	0.278530543	1.192395536
10	0.361043744	1.389229213	1.561053329
11	0.355821663	0.445434909	1.228571009
12	0.357678871	0.835684927	1.375100627
13	0.373881739	0.726560337	1.224765323
14	0.347334022	1.550037244	1.539233271
15	0.361009626	1.661244693	1.56802138
16	0.352260032	3.034591033	1.809596251
17	0.350882493	0.596884563	1.292692237
18	0.359511238	2.117590332	1.629784016
19	0.360137084	0.847207879	1.345918175

20	0.357024897	0.576170157	1.37470819

Replication	3/10 taxation to bottom 10%		
	proportion	kurtosis	skewness
1	0.267689654	4.778881745	2.268583693
2	0.267424455	5.826928621	2.395602189
3	0.269614515	4.76510526	2.149617326
4	0.272176015	2.953903396	1.836356433
5	0.266787128	2.860508524	1.807053745
6	0.270305062	3.989287755	2.0027169
7	0.275439809	2.852202357	1.816857937
8	0.271178082	4.7952441	2.166565634
9	0.267182334	4.4844288	2.122416138
10	0.265328526	4.71777059	2.13454755
11	0.267182334	4.4844288	2.122416138
12	0.26984224	3.119645372	1.891393659
13	0.271797381	1.417875205	1.501896734
14	0.268256541	5.186813595	2.182181626

15	0.266286372	0.583278941	1.388861087
16	0.270839167	4.645660758	2.142208667
17	0.273695933	3.454382351	1.867501708
18	0.267163609	1.865759105	1.649175188
19	0.268208011	2.621288354	1.757771434
20	0.26831146	2.286879443	1.721859886

Replication	3/10 taxation to bottom 50%		
	proportion	kurtosis	skewness
1	0.282834054	1.189488152	1.468263992
2	0.280950398	1.484842408	1.541595253
3	0.289570373	1.35069255	1.524678984
4	0.2839658	1.274958087	1.485151349
5	0.281193298	0.648697854	1.297548635
6	0.28758504	1.44863728	1.417670097
7	0.284879887	0.463235222	1.344649218
8	0.283674659	2.085917348	1.600712191
9	0.281200156	0.441772278	1.257874199
10	0.283790573	1.858994416	1.59646117

11	0.287032944	0.204633894	1.24968864
12	0.282636163	1.465300261	1.516508608
13	0.283736756	1.920161391	1.667321505
14	0.289004676	0.830791291	1.317846107
15	0.283116777	0.054139987	1.216097271
16	0.288407434	1.990330803	1.737941512
17	0.2835872	2.002669248	1.658919551
18	0.277350494	1.154497342	1.434946241
19	0.282238245	0.368662192	1.31410428
20	0.28852158	3.514830993	1.882660083