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Supplement to "Identification and Estimation of Distributional Impacts of Interventions Using Changes in Inequality Measures", Part II: Monte Carlo experiments and the empirical application

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In this supplemental appendix, we first present the results with the logit model for the design stated in the main paper. In addition, we present results for two different data generated processes. In the first d.g.p. we allow the propensity score to take values very close to 0 and 1, and the second d.g.p mimics the features of the PLANFOR application. Finally, we present the ATE results for the design in the main paper.

A: Inequality Treatment Effect on the Treated: Logit Case

Tables A1- A4 presents the results with the logit model for the design in the main paper. The results are very similar to the ones found using the normal model. In this section, we also present the summary statistics of the target functionals. Using the mean values from 100 simulations of size 100,000, we obtain the values for the target function. The results in Table A5 show that the maximum and minimum are very close, and the standard deviation is close to zero.

Table A5: Summary Statistics for "Parameter Values"

Logistic Model				
	Mean	Std. Dev	Minimum	Maximum
Coefficient of Variation	0.2691	0.0045	0.2645	0.2751
Interquartile Range	0.6053	0.0018	0.6033	0.6075
Theil Index	0.0795	0.0011	0.0781	0.0809
Gini Coefficient	0.0868	0.0009	0.0856	0.0881
Normal Model				
	Mean	Std. Dev	Minimum	Maximum
Coefficient of Variation	0.2686	0.0008	0.2679	0.2698
Interquartile Range	0.6000	0.0017	0.5981	0.6025
Theil Index	0.0790	0.0001	0.0788	0.0791
Gini Coefficient	0.0867	0.0001	0.0864	0.0869

B: Propensity close to 0 and 1

This section contains a monte carlo design in which the true propensity score has limits very close to 0 and 1. All notation is defined as in the main text unless stated otherwise. For completeness, we state the main data generated process (d.g.p.). As in the main text, we start with $X = [X_1, X_2]^\intercal$ and set $X_1 \sim \text{Unif}\left[\mu_{X_1} - \frac{\sqrt{12}}{2}, \mu_{X_1} + \frac{\sqrt{12}}{2}\right]$ and $X_2 \sim \text{Unif}\left[\mu_{X_2} - \frac{\sqrt{12}}{2}, \mu_{X_2} + \frac{\sqrt{12}}{2}\right]$, which will be independent random variables with the following means and variances: $E[X_1] = \mu_{X_1}$, $E[X_2] = \mu_{X_2}$ and $V[X_1] = V[X_2] = 1$. The treatment indicator is set to be

$$T = \mathbb{1}\{\delta_0 + \delta_1 X_1 + \delta_2 X_2 + \delta_3 X_1^2 + \delta_4 X_2^2 + \delta_5 X_1 X_2 + \eta > 0\}. \tag{1}$$

We again deal with two distributions: logistic and normal.

Similar to the d.g.p in the main text. the potential outcomes are

$$\begin{aligned} Y(0) &= \exp\left(\beta_{00} + \beta_{01} X_1 + \beta_{02} X_2 + \beta_{03} X_1^2 + \beta_{04} X_2^2 + \beta_{05} X_1 X_2 + \epsilon_0\right) && (2) \\ Y(1) &= \exp\left(\beta_{10} + \beta_{11} X_1 + \beta_{12} X_2 + \beta_{13} X_1^2 + \beta_{14} X_2^2 + \beta_{15} X_1 X_2 + \epsilon_1\right) && (3) \end{aligned}$$

where

$$\begin{aligned} \epsilon_0 &= \left(\beta^s_{00} + \beta^s_{01} X_1 + \beta^s_{02} X_2 + \beta^s_{03} X_1^2 + \beta^s_{04} X_2^2 + \beta^s_{05} X_1 X_2\right) \cdot \kappa_0 && (4) \\ \epsilon_1 &= \left(\beta^s_{10} + \beta^s_{11} X_1 + \beta^s_{12} X_2 + \beta^s_{13} X_1^2 + \beta^s_{14} X_2^2 + \beta^s_{15} X_1 X_2\right) \cdot \kappa_1 && (5) \end{aligned}$$

and where κ_0 and κ_1 are distributed as standard normals. The variables X, η, κ_0 and κ_1 are mutually independent. We compute target functionals using mean values from 100 simulations of size 100,000 for the "unfeasible estimator".

In this specific design, $\mu_{X_1} = 1$, $\mu_{X_2} = 5$ and the values for the other parameters are stated in the table below.

Table B1: Parameter specification for Monte Carlo Exercise

$coeff.\backslash j$	0	1	2	3	4	5
δ_j	−0.5	10	−2	0.5	−0.1	0.5
β_{0j}	0.01	−0.01	0.01	0.01	−0.01	−0.02
β_{1j}	0.1	0.01	0.01	0.01	0.01	0.01
β^s_{0j}	0.01	−0.01	0.01	0.01	−0.01	−0.02
β^s_{1j}	0.01	0.01	0.01	0.01	0.01	0.01

With this parameter specification the true propensity score attains values that are close to zero and one, as shown in table B2.

Table B2: Features of the Propensity Score

η	Logistic	Normal
Propensity Score		
Mean	0.5045	0.5048
Maximum	0.9931	0.9969
Minimum	0.0062	0.0026
Propensity Score ($T = 1$)		
Mean	0.7726	0.7638
Maximum	0.9931	0.9969
Minimum	0.0064	0.0028
Propensity Score ($T = 0$)		
Mean	0.2313	0.2459
Maximum	0.9928	0.9961
Minimum	0.0062	0.0026
Q_0	0.5047	0.5049

As in the design in the main text, we compute inequality treatment effects on the treated. Table B3 states the values of some functionals of the distribution of potential outcomes for the treated, and table B4 presents the inequality measures of the potential outcomes for the treated. The values of the inequality measures presented in table are similar to the values presented in table 3 of the main text for these measures.

Table B3: Features of the Distributions of Potential Outcomes for the Treated (conditional on $T = 1$)

η	Logistic		Normal	
ν\Distribution	$Y(0)$	$Y(1)$	$Y(0)$	$Y(1)$
Mean	0.7638	1.9510	0.7640	1.9485
Standard Deviation (s.d.)	0.2876	1.2590	0.2874	1.2518
Mean of Logarithm	−0.3421	0.5345	−0.3417	0.5339
S.D. of Logarithm	0.3966	0.4912	0.3960	0.4898
10th Percentile	0.4235	0.9765	0.4238	0.9775
1st Quartile	0.5773	1.2409	0.5781	1.2421
Median	0.7497	1.6281	0.7503	1.6259
3rd Quartile	0.9166	2.2468	0.9164	2.2460
90th Percentile	1.0866	3.2199	1.0845	3.2123

Table B4: Inequality Measures of Potential Outcomes for the Treated (conditional on $T = 1$)

η	Logistic		Normal	
ν\Distribution	$Y(0)$	$Y(1)$	$Y(0)$	$Y(1)$
Coefficient of Variation	0.3766	0.6453	0.3761	0.6424
Interquartile Range	1.0089	0.3393	1.0039	0.3384
Theil Index	0.0682	0.1503	0.0679	0.1495
Gini Coefficient	0.2009	0.2855	0.2005	0.2855

Tables B5-B12 provide results for the d.g.p based on the normal specification and in the logistic specification. We present the results for the unfeasible estimator and for other five estimators. The first one is the weighted estimator that is the estimator proposed in the paper. We use a parametric step to estimate the propensity score. We compute the propensity score by a logit regression that uses the correct specification, a quadratic function in X_1 and X_2, and a misspecified specification, a linear function of X_1 and X_2. The second estimator is the naive estimator that is based on the empirical distributions of $Y|T = 1$ and $Y|T = 0$. We consider also the "location shift estimator" and the "log-location shift estimator" described in the main paper. We compute these estimators by estimating a full quadratic model for the conditional expectation of Y, and by misspecifying this conditional distribution using a linear model. Finally, we

compute the "CFM estimator" (after Chernozhukov, Fernandez-Val and Melly, 2013) described in the main paper using both a quadratic and a linear specifications for the conditional distribution of Y.

The results in tables B5-B8 show that the weighted estimator is still competitive with CFM estimator, and dominates in terms of the bias the naive estimator and the two estimators based on Juhn, Murphy and Pierce (1993). Compared to the results in the main text, the weighted estimator is more sensitive to the misspecification of the propensity score in this design in which the propensity score attains values very close to 0 and 1. Tables B9-B12 show that the coverage rate obtained using the analytical formula for the standard error are good, except the results for the Gini coefficient. The results for the Gini coefficient are very sensitive to the values of the propensity score.

C: Overall Inequality Treatment Effect

In this section, we present the result of the overall inequality treatment effects for the design specified in the main paper. First, we present the features of the distribution for treatment and control, and the target values of the inequality measures.

Table C1: Features of the Distributions of Potential Outcomes

η	Logistic		Normal	
ν\Distribution	$Y(0)$	$Y(1)$	$Y(0)$	$Y(1)$
Mean	0.7925	1.8267	0.7923	1.8269
Standard Deviation (s.d.)	0.2599	1.0751	0.2592	1.0760
Mean of Logarithm	−0.2899	0.4897	−0.2900	0.4899
S.D. of Logarithm	0.3546	0.4497	0.3542	0.4494
10th Percentile	0.4718	0.9891	0.4719	0.9896
1st Quartile	0.6281	1.2213	0.6281	1.2219
Median	0.7960	1.5519	0.7958	1.5519
3rd Quartile	0.9402	2.0892	0.9399	2.0897
90th Percentile	1.0669	2.9197	1.0664	2.9190

Table C2: Inequality Measures of Potential Outcomes

η	Logistic		Normal	
ν\Distribution	$Y(0)$	$Y(1)$	$Y(0)$	$Y(1)$
Coefficient of Variation	0.3280	0.5885	0.3271	0.5890
Interquartile Range	0.8678	0.3121	0.8678	0.3118
Theil Index	0.0531	0.1273	0.0529	0.1272
Gini Coefficient	0.1758	0.2625	0.1756	0.2624

Tables C3-C6 present the results for the d.g.p based on the normal specification and in the logistic specification. The data generating process is the one stated in section 6 in the main text. We present the results for the unfeasible estimator and the other five estimators described in the main text. The results show that for the ATE the weighted estimator dominates the other estimators in terms of the bias and coverage.

D: A DGP inspired by the empirical application

In this section, we present a main data generated process (d.q.p) that mimics features of the PLANFOR application described in the main text. Starting with $X = [X_1, X_2.X_3]^\intercal$, with $X_1 \sim$Bernoulli(0.5), $X_{2i} = 4U_i + 15 + 2X_{1i}$, $U_i \sim$ Unif$[0, 1]$ and $X_3 = 8U_i + 2X_{1i} + \frac{X_{2i}}{10}$. Then, we define the variable that defines the assignment to each group (classrooms in the PLANFOR application),

$$S_i = 0.10X_{1i} + 2X_{2i} + 1.5X_{3i} + \varepsilon_i \tag{6}$$

where $\varepsilon_i \sim \mathcal{N}(0,1)$. The centiles of variable S_i determines assignment to one of the groups. Let´s define $c(j)$ as the jth centile of S_i. The assignment rule is the following:

$$group = \begin{cases} 1 & \text{if } S \leq c(1) \\ 2 & c(1) \leq S \leq c(2) \\ \vdots & \vdots \\ 100 & S \geq c(100) \end{cases} \tag{7}$$

We define binary variables that indicate if unit i belongs to group j, D_j and use these indicators variable in the propensity score model.

The treatment indicator is set to be

$$T = \mathbb{1}\{\delta_0 + \delta_1 D_1 + \delta_2 D_2 + \delta_3 D_3 + \delta_4 D_4 + \delta_5 D_5 + ... + \delta_{100} D_{100} + \eta > 0\}. \tag{8}$$

We consider two possible distributions for η: (i) logistic, $\eta \sim F_\eta(n) = \left(1 + \exp\left(-\frac{\pi n}{10\sqrt{3}}\right)\right)^{-1}$; (ii) normal, $\eta \sim F_\eta(n) = \int_{-\infty}^{n} 10\,(2\pi)^{-1/2} \exp\left(-z^2/2\right) dz$. In all cases, $\eta \sim (0, 100)$, that is, η has mean zero and standard deviation 10. The potential outcomes are

$$Y(0) = \exp\left(\beta_{00} + \beta_{01} D_1 + \beta_{02} D_2 + \beta_{03} D_3 + \beta_{04} D_4 + \beta_{05} D_5 + ... + \beta_{0100} D_{100} + \epsilon_0\right) \tag{9}$$

$$Y(1) = \exp\left(\beta_{10} + \beta_{11} D_1 + \beta_{12} D_2 + \beta_{13} D_3 + \beta_{14} D_4 + \beta_{15} D_5 + ... + \beta_{1100} D_{100} + \epsilon_1\right) \tag{10}$$

where

$$\epsilon_0 = \left(\beta^s_{00} + \beta^s_{01} D_1 + \beta^s_{02} D_2 + \beta^s_{03} D_3 + \beta^s_{04} D_4 + \beta^s_{05} D_5 + ... + \beta^s_{0100} D_{100}\right) \cdot \kappa_0 \tag{11}$$

$$\epsilon_1 = \left(\beta^s_{10} + \beta^s_{11} D_1 + \beta^s_{12} D_2 + \beta^s_{13} D_3 + \beta^s_{14} D_4 + \beta^s_{15} D_5 + ... + \beta^s_{1100} D_{100}\right) \cdot \kappa_1 \tag{12}$$

where κ_0 and κ_1 are distributed as standard normals. The values of the parameters are in the table below

Table D1: Parameter specification for
Monte Carlo Exercise

$coeff.\backslash j$	0	1	2	3	4	5	$6, ..., 100$
δ_j	-0.5	1.35	-2	0.5	-0.1	0.5	0.01
β_{0j}	0.01	-0.01	0.01	0.01	0.01	-0.02	0.01
β_{1j}	0.1	0.01	0.01	0.01	0.01	0.01	0.01
β^s_{0j}	0.01	-0.01	0.01	0.01	0.01	-0.02	0.01
β^s_{1j}	0.01	0.01	0.01	0.01	0.01	0.01	0.01

With these values for the parameters, the values of true propensity score are not close to zero and one, as we can see in Table D2.

Table D2: Features of the Propensity Score

η	Logistic	Normal
Propensity Score		
Mean	0.49	0.49
Maximum	0.85	0.83
Minimum	0.39	0.40
Propensity Score ($T = 1$)		
Mean	0.49	0.49
Maximum	0.85	0.83
Minimum	0.39	0.40
Propensity Score ($T = 0$)		
Mean	0.48	0.48
Maximum	0.85	0.83
Minimum	0.39	0.40
Q_0	0.49	0.49

As in the applied exercise, we compute inequality treatment effects on the treated. Tables D3 and D4 compute the values of some functionals of the distribution of potential outcomes and of the inequality measures of potential outcomes for the treated, respectively. The differences between the mean of potential outcomes are smaller than the ones in the main design presented in the paper. In addition, the differences between the inequality measures of potential outcomes are small.

Table D3: Features of the Distributions of Potential Outcomes for the Treated (conditional on $T = 1$)

η	Logistic		Normal	
ν\Distribution	$Y(0)$	$Y(1)$	$Y(0)$	$Y(1)$
Mean	1.02	1.12	1.02	1.12
Standard Deviation (s.d.)	0.02	0.02	0.02	0.02
Mean of Logarithm	0.019	0.11	0.02	0.11
S.D. of Logarithm	0.02	0.02	0.02	0.02
10th Percentile	0.99	1.09	0.99	1.09
1st Quartile	1.01	1.10	1.01	1.10
Median	1.02	1.12	1.02	1.12
3rd Quartile	1.03	1.13	1.03	1.13
90th Percentile	1.05	1.15	1.05	1.15

Table D4: Inequality Measures of Potential Outcomes for the Treated (conditional on $T = 1$)

η	Logistic		Normal	
ν\Distribution	$Y(0)$	$Y(1)$	$Y(0)$	$Y(1)$
Coefficient of Variation	0.201	0.200	0.0199	0.020
Interquartile Range	0.30	0.28	0.030	0.028
Theil Index	0.0002	0.0002	0.0002	0.0001
Gini Coefficient	0.113	0.112	0.0113	0.0112

Even in a design in which the differences between the inequality measures of treatment and control are very small, tables D5-D8 show that the weighted estimator dominates in terms of bias the Juhn, Murphy and Pierce estimator and the CFM. In addition, the weighted estimator has good coverage properties.

The samples sizes used in all designs (250 and 1000) are relatively smaller than the real application. For example, when the sample size is 1,000, we have 10 observations in each one of the 100 groups, and 5 are in the controls and 5 are treated. To compare all the estimators with a large sample size, we present the results of only one Monte Carlo replication with sample size equals to 4,000,000 using the normal selection model. In that case, each one of the 100 groups will have 40,000 observations. Table D9 presents the results

of this exercise. This table shows that for the mean treated effect, coefficient of variation and interquartile range, the weighted estimator is close to the target than Juhn, Murphy and Pierce and the CFM estimators.

REFERENCES

Chernozhukov, V,. Fernandez-Val, I, Melly, B. 2013. Inference on Counterfactual Distributions. *Econometrica* 81: 2205–2268.

Juhn, C, Murphy, K, Pierce, B. 1993. Wage Inequality and the Rise in Returns to Skill. *Journal of Political Economy* 101: 410-442.

Table A1: Results of Monte Carlo Exercise (Sample Size 250, Replications 1000, Logistic Selection Model)

Treatment on the Treated Parameters	Estimators	Target	Average	Lower 10th percentile	Median	Upper 10th percentile	Standard Deviation	Bias	Root Mean Squared Error	Mean Absolute Error	Median Absolute Error	90% C.I. Coverage Rate
Mean Treatment Effects		1.108										
	Unfeasible		1.101	0.976	1.112	1.251	0.110	0.003	0.110	0.085	0.070	0.840
	Naive		1.084	0.948	1.078	1.221	0.107	-0.025	0.110	0.086	0.068	0.820
	Weighted		1.112	0.971	1.112	1.254	0.113	0.003	0.113	0.088	0.074	0.820
	Weighted (Linear)		1.110	0.971	1.109	1.250	0.112	0.002	0.112	0.087	0.071	0.850
	Location Shift		1.112	0.971	1.111	1.252	0.113	0.004	0.113	0.088	0.072	0.830
	Location Shift (Linear)		1.115	0.972	1.112	1.255	0.113	0.013	0.113	0.088	0.072	0.840
	Log Location Shift		1.121	0.978	1.121	1.260	0.113	0.006	0.114	0.089	0.071	0.850
	Log Location Shift (linear)		1.124	0.982	1.123	1.266	0.113	0.016	0.114	0.089	0.071	0.840
	CFM		1.072	0.918	1.100	1.252	0.208	-0.037	0.211	0.121	0.081	0.850
	CFM (Linear)		1.115	0.973	1.111	1.256	0.114	0.007	0.114	0.089	0.072	0.850
CV		0.269										
	Unfeasible		0.254	0.118	0.234	0.414	0.135	-0.015	0.136	0.101	0.086	0.690
	Naive		0.306	0.174	0.278	0.465	0.134	0.037	0.139	0.095	0.069	0.830
	Weighted		0.263	0.121	0.238	0.427	0.137	-0.006	0.137	0.101	0.080	0.790
	Weighted (Linear)		0.268	0.126	0.241	0.433	0.136	-0.001	0.136	0.100	0.077	0.790
	Location Shift		0.292	0.161	0.264	0.454	0.133	0.023	0.135	0.094	0.071	0.790
	Location Shift (Linear)		0.293	0.163	0.265	0.453	0.133	0.024	0.135	0.094	0.071	0.780
	Log Location Shift		0.293	0.160	0.267	0.449	0.130	0.024	0.132	0.093	0.069	0.820
	Log Location Shift (linear)		0.294	0.165	0.269	0.449	0.127	0.025	0.130	0.091	0.067	0.800
	CFM		0.276	0.123	0.251	0.459	0.149	0.007	0.149	0.109	0.085	0.810
	CFM (Linear)		0.260	0.123	0.233	0.420	0.136	-0.009	0.136	0.100	0.080	0.810
Interquartile Range		0.605										
	Unfeasible		0.612	0.452	0.604	0.781	0.128	0.007	0.128	0.102	0.083	0.910
	Naive		0.649	0.485	0.643	0.823	0.132	0.044	0.139	0.109	0.088	0.900
	Weighted		0.614	0.454	0.607	0.792	0.133	0.009	0.133	0.106	0.086	0.940
	Weighted (Linear)		0.621	0.462	0.612	0.797	0.132	0.016	0.133	0.105	0.087	0.950
	Location Shift		0.672	0.511	0.664	0.852	0.133	0.067	0.149	0.115	0.093	0.890
	Location Shift (Linear)		0.662	0.497	0.654	0.844	0.133	0.057	0.144	0.112	0.090	0.940
	Log Location Shift		0.628	0.466	0.616	0.810	0.133	0.022	0.135	0.106	0.087	0.900
	Log Location Shift (linear)		0.627	0.466	0.617	0.811	0.134	0.022	0.136	0.107	0.088	0.920
	CFM		0.639	0.456	0.620	0.850	0.158	0.034	0.161	0.123	0.095	0.940
	CFM (Linear)		0.611	0.446	0.601	0.790	0.133	0.006	0.133	0.105	0.089	0.940
Theil Index		0.079										
	Unfeasible		0.078	0.037	0.072	0.130	0.040	-0.001	0.040	0.030	0.025	0.860
	Naive		0.094	0.052	0.086	0.143	0.040	0.014	0.042	0.030	0.022	0.750
	Weighted		0.080	0.037	0.073	0.129	0.041	0.001	0.041	0.031	0.025	0.870
	Weighted (Linear)		0.082	0.039	0.075	0.129	0.041	0.003	0.041	0.030	0.024	0.810
	Location Shift		0.090	0.046	0.082	0.140	0.042	0.011	0.043	0.031	0.023	0.820
	Location Shift (Linear)		0.091	0.049	0.083	0.143	0.042	0.012	0.044	0.031	0.023	0.850
	Log Location Shift		0.090	0.047	0.083	0.138	0.040	0.010	0.041	0.029	0.021	0.780
	Log Location Shift (linear)		0.091	0.049	0.083	0.138	0.039	0.011	0.041	0.029	0.022	0.850
	CFM		0.082	0.035	0.076	0.138	0.044	0.003	0.044	0.033	0.026	0.810
	CFM (Linear)		0.079	0.037	0.072	0.128	0.041	0.000	0.041	0.030	0.025	0.820
Gini Coefficient		0.087										
	Unfeasible		0.085	0.047	0.084	0.123	0.031	-0.001	0.030	0.024	0.020	0.860
	Naive		0.112	0.074	0.111	0.153	0.030	0.026	0.040	0.032	0.027	0.720
	Weighted		0.088	0.046	0.088	0.130	0.033	0.002	0.033	0.026	0.021	0.920
	Weighted (Linear)		0.091	0.051	0.091	0.133	0.032	0.005	0.033	0.026	0.021	0.920
	Location Shift		0.112	0.070	0.109	0.159	0.036	0.026	0.044	0.034	0.027	0.780
	Location Shift (Linear)		0.110	0.068	0.108	0.156	0.035	0.023	0.042	0.033	0.026	0.830
	Log Location Shift		0.101	0.062	0.100	0.142	0.032	0.015	0.035	0.027	0.023	0.800
	Log Location Shift (linear)		0.102	0.063	0.100	0.142	0.031	0.015	0.035	0.027	0.022	0.830
	CFM		0.100	0.046	0.094	0.165	0.050	0.013	0.052	0.037	0.025	0.920
	CFM (Linear)		0.087	0.046	0.087	0.128	0.033	0.000	0.033	0.025	0.021	0.920

Note: Coverage rates were computed using 100 bootstrap replications and applying the percentile bootstrap method as discussed in the text.

Table A2: Results of Monte Carlo Exercise (Sample Size 1,000, Replications 1000, Logistic Selection Model)

Treatment on the Treated Parameters	Estimators	Target	Average	Lower 10th percentile	Median	Upper 10th percentile	Standard Deviation	Bias	Root Mean Squared Error	Mean Absolute Error	Median Absolute Error	90% C.I. Coverage Rate
Mean Treatment Effects		1.108										
	Unfeasible		1.111	1.042	1.109	1.179	0.054	0.002	0.054	0.043	0.034	0.930
	Naive		1.083	1.016	1.082	1.153	0.053	-0.025	0.059	0.047	0.041	0.820
	Weighted		1.111	1.042	1.110	1.182	0.056	0.003	0.056	0.045	0.038	0.930
	Weighted (Linear)		1.109	1.041	1.107	1.181	0.055	0.001	0.055	0.045	0.038	0.940
	Location Shift		1.111	1.042	1.110	1.181	0.056	0.003	0.056	0.045	0.038	0.940
	Location Shift (Linear)		1.114	1.046	1.112	1.184	0.056	0.013	0.056	0.045	0.037	0.970
	Log Location Shift		1.122	1.053	1.119	1.192	0.056	0.005	0.058	0.046	0.039	0.950
	Log Location Shift (linear)		1.124	1.055	1.121	1.195	0.056	0.016	0.058	0.046	0.040	0.960
	CFM		1.108	1.039	1.106	1.178	0.056	-0.001	0.056	0.045	0.039	0.940
	CFM (Linear)		1.112	1.043	1.110	1.184	0.056	0.004	0.056	0.045	0.039	0.940
CV		0.269										
	Unfeasible		0.261	0.182	0.251	0.356	0.072	-0.008	0.072	0.055	0.044	0.770
	Naive		0.312	0.234	0.303	0.401	0.072	0.043	0.084	0.060	0.044	0.840
	Weighted		0.262	0.179	0.254	0.353	0.074	-0.007	0.074	0.056	0.045	0.770
	Weighted (Linear)		0.269	0.187	0.261	0.360	0.074	0.000	0.074	0.055	0.043	0.830
	Location Shift		0.301	0.223	0.291	0.389	0.072	0.032	0.079	0.056	0.041	0.860
	Location Shift (Linear)		0.299	0.221	0.289	0.385	0.071	0.030	0.077	0.055	0.041	0.870
	Log Location Shift		0.303	0.226	0.294	0.388	0.069	0.034	0.077	0.055	0.040	0.860
	Log Location Shift (linear)		0.302	0.226	0.292	0.383	0.067	0.033	0.075	0.053	0.039	0.860
	CFM		0.287	0.205	0.278	0.378	0.075	0.018	0.077	0.055	0.041	0.860
	CFM (Linear)		0.283	0.205	0.274	0.370	0.073	0.014	0.074	0.053	0.040	0.830
Interquartile Range		0.605										
	Unfeasible		0.604	0.522	0.602	0.688	0.065	-0.002	0.065	0.052	0.042	0.940
	Naive		0.641	0.561	0.640	0.723	0.066	0.036	0.075	0.059	0.048	0.880
	Weighted		0.603	0.522	0.604	0.687	0.066	-0.002	0.066	0.052	0.043	0.930
	Weighted (Linear)		0.610	0.527	0.610	0.694	0.065	0.005	0.066	0.052	0.043	0.910
	Location Shift		0.678	0.593	0.675	0.765	0.068	0.073	0.099	0.081	0.073	0.750
	Location Shift (Linear)		0.661	0.577	0.660	0.750	0.067	0.056	0.087	0.071	0.062	0.900
	Log Location Shift		0.625	0.540	0.624	0.712	0.066	0.020	0.069	0.055	0.046	0.810
	Log Location Shift (linear)		0.621	0.537	0.621	0.708	0.067	0.016	0.068	0.054	0.045	0.900
	CFM		0.604	0.523	0.604	0.688	0.066	-0.001	0.066	0.052	0.043	0.940
	CFM (Linear)		0.603	0.521	0.603	0.686	0.066	-0.002	0.066	0.052	0.043	0.940
Theil Index		0.079										
	Unfeasible		0.079	0.057	0.076	0.104	0.019	-0.001	0.019	0.015	0.012	0.810
	Naive		0.094	0.071	0.092	0.119	0.019	0.014	0.024	0.018	0.014	0.810
	Weighted		0.079	0.054	0.077	0.105	0.020	-0.001	0.020	0.015	0.013	0.810
	Weighted (Linear)		0.081	0.057	0.079	0.107	0.020	0.002	0.020	0.015	0.012	0.860
	Location Shift		0.092	0.068	0.089	0.118	0.021	0.013	0.025	0.018	0.014	0.820
	Location Shift (Linear)		0.092	0.068	0.090	0.119	0.021	0.013	0.025	0.018	0.014	0.860
	Log Location Shift		0.091	0.069	0.089	0.115	0.019	0.012	0.022	0.017	0.013	0.840
	Log Location Shift (linear)		0.091	0.069	0.089	0.115	0.019	0.011	0.022	0.016	0.013	0.870
	CFM		0.087	0.063	0.085	0.113	0.020	0.007	0.021	0.016	0.013	0.860
	CFM (Linear)		0.085	0.063	0.084	0.110	0.020	0.006	0.020	0.015	0.012	0.850
Gini Coefficient		0.087										
	Unfeasible		0.113	0.069	0.086	0.104	0.015	0.000	0.014	0.011	0.009	0.880
	Naive		0.086	0.095	0.113	0.133	0.014	0.026	0.030	0.027	0.026	0.460
	Weighted		0.087	0.066	0.087	0.108	0.016	0.000	0.016	0.013	0.011	0.870
	Weighted (Linear)		0.090	0.070	0.090	0.111	0.016	0.004	0.016	0.013	0.011	0.910
	Location Shift		0.116	0.092	0.115	0.142	0.020	0.029	0.035	0.030	0.029	0.530
	Location Shift (Linear)		0.113	0.090	0.112	0.137	0.019	0.026	0.033	0.028	0.026	0.770
	Log Location Shift		0.104	0.084	0.103	0.124	0.016	0.017	0.023	0.019	0.017	0.580
	Log Location Shift (linear)		0.103	0.083	0.102	0.123	0.015	0.016	0.022	0.018	0.016	0.770
	CFM		0.098	0.078	0.098	0.118	0.016	0.011	0.019	0.016	0.013	0.840
	CFM (Linear)		0.095	0.075	0.094	0.115	0.016	0.008	0.018	0.014	0.012	0.900

Table A3: Results of Monte Carlo Exercise (Sample Size 250, Replications 1000, Logistic Selection Model)

Treatment on the Treated Parameters	Estimators	Linear		Quadratic		Cubic	
		Standard Error	90% C.I. Coverage Rate	Standard Error	90% C.I. Coverage Rate	Standard Error	90% C.I. Coverage Rate
Mean Treatment Effects	Weighted	0.110	0.899	0.110	0.899	0.110	0.899
	Weighted (Linear)	0.109	0.898	0.109	0.897	0.109	0.897
CV	Weighted	0.089	0.790	0.088	0.787	0.088	0.787
	Weighted (Linear)	0.088	0.789	0.087	0.783	0.087	0.783
Interquartile Range	Weighted	0.132	0.899	0.131	0.896	0.132	0.899
	Weighted (Linear)	0.134	0.900	0.134	0.900	0.134	0.900
Theil Index	Weighted	0.032	0.862	0.032	0.853	0.032	0.853
	Weighted (Linear)	0.032	0.862	0.032	0.856	0.032	0.856
Gini Coefficient	Weighted	0.038	0.939	0.037	0.928	0.039	0.947
	Weighted (Linear)	0.038	0.938	0.038	0.938	0.040	0.948

Table A4: Results of Monte Carlo Exercise (Sample Size 1,000, Replications 1000, Logistic Selection Model)

Treatment on the Treated Parameters	Estimators	Linear		Quadratic		Cubic	
		Standard Error	90% C.I. Coverage Rate	Standard Error	90% C.I. Coverage Rate	Standard Error	90% C.I. Coverage Rate
Mean Treatment Effects	Weighted	0.056	0.899	0.056	0.899	0.055	0.899
	Weighted (Linear)	0.055	0.904	0.055	0.904	0.055	0.904
CV	Weighted	0.059	0.849	0.058	0.845	0.058	0.844
	Weighted (Linear)	0.058	0.853	0.058	0.850	0.058	0.849
Interquartile Range	Weighted	0.065	0.890	0.065	0.888	0.065	0.888
	Weighted (Linear)	0.067	0.900	0.067	0.900	0.067	0.900
Theil Index	Weighted	0.018	0.886	0.018	0.882	0.018	0.880
	Weighted (Linear)	0.018	0.887	0.018	0.886	0.018	0.885
Gini Coefficient	Weighted	0.015	0.878	0.014	0.866	0.014	0.867
	Weighted (Linear)	0.015	0.880	0.015	0.873	0.015	0.878

Table B5: Results of Monte Carlo Exercise (Sample Size 250, Replications 1000, Normal Selection Model)

Treatment on the Treated Parameters	Estimators	Target	Average	Lower 10th percentile	Median	Upper 10th percentile	Standard Deviation	Bias	Root Mean Squared Error	Mean Absolute Error	Median Absolute Error	90% C.I. Coverage Rate
Mean Treatment Effects		1.185										
	Unfeasible		1.188	1.035	1.180	1.343	0.120	0.004	0.120	0.094	0.078	0.907
	Naive		1.131	0.990	1.122	1.285	0.117	-0.054	0.129	0.104	0.092	0.865
	Weighted		1.183	0.998	1.188	1.361	0.151	-0.001	0.151	0.118	0.098	0.917
	Weighted (Linear)		1.181	0.997	1.177	1.365	0.149	-0.004	0.149	0.116	0.095	0.921
	Location Shift		1.184	0.991	1.186	1.368	0.154	0.000	0.154	0.121	0.101	0.906
	Location Shift (Linear)		1.204	1.045	1.199	1.373	0.131	0.013	0.132	0.104	0.086	0.907
	Log Location Shift		1.198	1.006	1.198	1.381	0.154	0.019	0.154	0.121	0.104	0.903
	Log Location Shift (linear)		1.225	1.065	1.218	1.391	0.129	0.041	0.136	0.106	0.088	0.889
	CFM		1.169	0.980	1.179	1.371	0.191	-0.015	0.192	0.134	0.101	0.935
	CFM (Linear)		1.219	1.046	1.213	1.399	0.138	0.035	0.142	0.111	0.091	0.897
CV		0.266										
	Unfeasible		0.255	0.120	0.231	0.416	0.135	-0.011	0.135	0.101	0.083	0.924
	Naive		0.355	0.216	0.331	0.510	0.134	0.089	0.161	0.112	0.075	0.874
	Weighted		0.290	0.116	0.278	0.472	0.157	0.023	0.159	0.114	0.083	0.915
	Weighted (Linear)		0.294	0.124	0.282	0.474	0.156	0.027	0.159	0.114	0.085	0.920
	Location Shift		0.315	0.166	0.295	0.481	0.142	0.049	0.150	0.105	0.077	0.910
	Location Shift (Linear)		0.327	0.186	0.300	0.481	0.135	0.060	0.148	0.101	0.070	0.905
	Log Location Shift		0.321	0.180	0.297	0.474	0.134	0.055	0.145	0.100	0.066	0.908
	Log Location Shift (linear)		0.342	0.209	0.318	0.491	0.129	0.076	0.150	0.103	0.068	0.892
	CFM		0.273	0.093	0.265	0.471	0.167	0.007	0.167	0.124	0.094	0.911
	CFM (Linear)		0.224	0.042	0.215	0.404	0.158	-0.043	0.164	0.125	0.100	0.898
Interquartile Range		0.666										
	Unfeasible		0.663	0.493	0.651	0.846	0.138	-0.003	0.138	0.110	0.094	0.906
	Naive		0.731	0.560	0.718	0.922	0.140	0.066	0.155	0.119	0.093	0.864
	Weighted		0.668	0.425	0.663	0.914	0.208	0.002	0.208	0.155	0.120	0.911
	Weighted (Linear)		0.675	0.431	0.677	0.922	0.193	0.010	0.193	0.151	0.121	0.896
	Location Shift		0.730	0.547	0.724	0.923	0.149	0.065	0.162	0.126	0.104	0.876
	Location Shift (Linear)		0.742	0.573	0.727	0.929	0.138	0.076	0.158	0.122	0.095	0.850
	Log Location Shift		0.701	0.525	0.694	0.888	0.148	0.035	0.152	0.117	0.092	0.895
	Log Location Shift (linear)		0.729	0.563	0.715	0.920	0.141	0.064	0.154	0.119	0.091	0.872
	CFM		0.640	0.350	0.644	0.920	0.229	-0.025	0.230	0.176	0.142	0.895
	CFM (Linear)		0.627	0.389	0.631	0.852	0.182	-0.038	0.186	0.145	0.119	0.889
Theil Index		0.082										
	Unfeasible		0.081	0.038	0.075	0.131	0.041	-0.001	0.041	0.031	0.025	0.922
	Naive		0.111	0.067	0.104	0.160	0.041	0.029	0.050	0.036	0.025	0.857
	Weighted		0.089	0.032	0.087	0.148	0.051	0.007	0.052	0.037	0.027	0.914
	Weighted (Linear)		0.090	0.034	0.088	0.148	0.051	0.009	0.052	0.037	0.027	0.920
	Location Shift		0.099	0.050	0.093	0.154	0.046	0.018	0.049	0.035	0.027	0.893
	Location Shift (Linear)		0.104	0.058	0.096	0.156	0.043	0.023	0.049	0.034	0.024	0.888
	Log Location Shift		0.101	0.056	0.094	0.155	0.042	0.020	0.046	0.033	0.023	0.889
	Log Location Shift (linear)		0.108	0.065	0.101	0.158	0.040	0.026	0.048	0.034	0.024	0.873
	CFM		0.079	0.012	0.081	0.147	0.059	-0.002	0.059	0.042	0.032	0.910
	CFM (Linear)		0.066	0.001	0.066	0.129	0.055	-0.016	0.057	0.043	0.032	0.897
Gini Coefficient		0.085										
	Unfeasible		0.084	0.047	0.083	0.124	0.030	-0.001	0.030	0.023	0.020	0.889
	Naive		0.136	0.099	0.134	0.176	0.030	0.051	0.059	0.052	0.049	0.495
	Weighted		0.102	0.035	0.105	0.165	0.054	0.017	0.056	0.044	0.037	0.896
	Weighted (Linear)		0.104	0.038	0.108	0.167	0.053	0.019	0.056	0.045	0.038	0.893
	Location Shift		0.123	0.072	0.122	0.177	0.041	0.038	0.056	0.046	0.040	0.778
	Location Shift (Linear)		0.125	0.082	0.124	0.171	0.036	0.040	0.054	0.044	0.040	0.723
	Log Location Shift		0.114	0.068	0.115	0.159	0.035	0.029	0.046	0.038	0.033	0.789
	Log Location Shift (linear)		0.126	0.088	0.125	0.164	0.031	0.041	0.051	0.043	0.040	0.655
	CFM		0.096	0.016	0.097	0.172	0.064	0.011	0.065	0.050	0.039	0.897
	CFM (Linear)		0.068	0.004	0.071	0.128	0.051	-0.017	0.054	0.041	0.034	0.895

Table B6: Results of Monte Carlo Exercise (Sample Size 1,000, Replications 1000, Normal Selection Model)

Treatment on the Treated Parameters	Estimators	Target	Average	Lower 10th percentile	Median	Upper 10th percentile	Standard Deviation	Bias	Root Mean Squared Error	Mean Absolute Error	Median Absolute Error	90% C.I. Coverage Rate
Mean Treatment Effects		1.185										
	Unfeasible		1.186	1.111	1.184	1.261	0.058	0.002	0.058	0.046	0.039	0.898
	Naive		1.129	1.056	1.126	1.200	0.057	-0.055	0.079	0.066	0.061	0.746
	Weighted		1.186	1.086	1.187	1.285	0.078	0.001	0.078	0.061	0.050	0.904
	Weighted (Linear)		1.181	1.085	1.182	1.272	0.071	-0.003	0.071	0.057	0.048	0.890
	Location Shift		1.185	1.094	1.188	1.277	0.072	0.000	0.072	0.057	0.045	0.893
	Location Shift (Linear)		1.202	1.122	1.200	1.286	0.063	0.021	0.066	0.052	0.044	0.881
	Log Location Shift		1.206	1.115	1.207	1.298	0.071	0.018	0.074	0.059	0.049	0.876
	Log Location Shift (linear)		1.225	1.146	1.222	1.308	0.063	0.040	0.074	0.059	0.049	0.827
	CFM		1.181	1.091	1.182	1.270	0.072	-0.003	0.072	0.057	0.046	0.901
	CFM (Linear)		1.198	1.114	1.197	1.287	0.066	0.014	0.068	0.053	0.043	0.888
CV		0.266										
	Unfeasible		0.259	0.180	0.249	0.351	0.072	-0.007	0.072	0.056	0.045	0.914
	Naive		0.361	0.283	0.352	0.452	0.071	0.095	0.119	0.096	0.085	0.712
	Weighted		0.272	0.163	0.270	0.386	0.095	0.006	0.095	0.070	0.053	0.901
	Weighted (Linear)		0.283	0.183	0.278	0.393	0.090	0.016	0.092	0.068	0.050	0.909
	Location Shift		0.338	0.255	0.329	0.429	0.074	0.072	0.103	0.079	0.064	0.789
	Location Shift (Linear)		0.333	0.255	0.323	0.426	0.071	0.067	0.098	0.074	0.057	0.796
	Log Location Shift		0.344	0.267	0.334	0.433	0.070	0.078	0.105	0.082	0.068	0.761
	Log Location Shift (linear)		0.350	0.275	0.341	0.436	0.068	0.084	0.108	0.086	0.075	0.730
	CFM		0.285	0.182	0.281	0.389	0.089	0.019	0.091	0.070	0.055	0.901
	CFM (Linear)		0.244	0.136	0.243	0.355	0.095	-0.022	0.098	0.074	0.058	0.906
Interquartile Range		0.666										
	Unfeasible		0.665	0.578	0.663	0.758	0.071	-0.001	0.071	0.057	0.048	0.906
	Naive		0.732	0.643	0.730	0.820	0.071	0.067	0.097	0.079	0.070	0.742
	Weighted		0.662	0.534	0.664	0.790	0.102	-0.003	0.102	0.080	0.066	0.913
	Weighted (Linear)		0.674	0.555	0.674	0.794	0.096	0.009	0.096	0.076	0.064	0.901
	Location Shift		0.764	0.671	0.763	0.859	0.075	0.099	0.124	0.105	0.098	0.625
	Location Shift (Linear)		0.751	0.661	0.752	0.837	0.071	0.085	0.111	0.093	0.087	0.668
	Log Location Shift		0.720	0.623	0.720	0.811	0.073	0.054	0.091	0.073	0.063	0.815
	Log Location Shift (linear)		0.732	0.641	0.730	0.822	0.071	0.067	0.098	0.080	0.070	0.761
	CFM		0.656	0.536	0.655	0.780	0.097	-0.010	0.098	0.078	0.065	0.909
	CFM (Linear)		0.663	0.561	0.659	0.766	0.081	-0.003	0.081	0.064	0.053	0.905
Theil Index		0.082										
	Unfeasible		0.081	0.058	0.079	0.107	0.020	-0.001	0.020	0.016	0.014	0.911
	Naive		0.111	0.088	0.109	0.137	0.020	0.029	0.035	0.030	0.027	0.617
	Weighted		0.083	0.050	0.084	0.117	0.029	0.001	0.029	0.022	0.017	0.909
	Weighted (Linear)		0.087	0.055	0.087	0.119	0.027	0.005	0.027	0.020	0.015	0.900
	Location Shift		0.106	0.080	0.104	0.135	0.022	0.025	0.033	0.027	0.023	0.746
	Location Shift (Linear)		0.106	0.081	0.103	0.133	0.021	0.024	0.032	0.026	0.022	0.726
	Log Location Shift		0.106	0.082	0.104	0.131	0.020	0.025	0.032	0.026	0.023	0.692
	Log Location Shift (linear)		0.108	0.085	0.106	0.134	0.019	0.027	0.033	0.027	0.024	0.644
	CFM		0.088	0.057	0.088	0.120	0.026	0.006	0.027	0.021	0.018	0.890
	CFM (Linear)		0.076	0.044	0.076	0.110	0.028	-0.005	0.028	0.021	0.017	0.913
Gini Coefficient		0.085										
	Unfeasible		0.085	0.065	0.085	0.105	0.015	0.000	0.015	0.012	0.010	0.893
	Naive		0.138	0.119	0.137	0.157	0.015	0.053	0.055	0.053	0.052	0.019
	Weighted		0.090	0.054	0.092	0.128	0.032	0.005	0.033	0.025	0.021	0.910
	Weighted (Linear)		0.096	0.060	0.097	0.131	0.029	0.011	0.031	0.024	0.021	0.882
	Location Shift		0.134	0.105	0.133	0.163	0.023	0.049	0.054	0.049	0.049	0.312
	Location Shift (Linear)		0.129	0.105	0.128	0.154	0.019	0.044	0.048	0.044	0.043	0.242
	Log Location Shift		0.124	0.102	0.124	0.147	0.017	0.039	0.043	0.039	0.039	0.262
	Log Location Shift (linear)		0.127	0.107	0.127	0.147	0.015	0.042	0.045	0.042	0.042	0.144
	CFM		0.096	0.061	0.097	0.133	0.028	0.011	0.031	0.025	0.021	0.865
	CFM (Linear)		0.079	0.045	0.080	0.110	0.026	-0.006	0.027	0.021	0.016	0.898

Table B7: Results of Monte Carlo Exercise (Sample Size 250, Replications 1000, Logistic Selection Model)

Treatment on the Treated Parameters	Estimators	Target	Average	Lower 10th percentile	Median	Upper 10th percentile	Standard Deviation	Bias	Root Mean Squared Error	Mean Absolute Error	Median Absolute Error	90% C.I. Coverage Rate
Mean Treatment Effects		1.187										
	Unfeasible		1.187	1.041	1.182	1.348	0.120	0.003	0.120	0.094	0.078	0.903
	Naive		1.132	0.995	1.123	1.286	0.117	-0.056	0.129	0.105	0.096	0.870
	Weighted		1.186	1.013	1.182	1.384	0.153	-0.001	0.153	0.118	0.099	0.908
	Weighted (Linear)		1.183	0.999	1.175	1.377	0.150	-0.005	0.150	0.117	0.095	0.899
	Location Shift		1.187	1.004	1.179	1.378	0.153	0.000	0.153	0.119	0.099	0.897
	Location Shift (Linear)		1.206	1.046	1.196	1.373	0.130	0.012	0.132	0.103	0.087	0.896
	Log Location Shift		1.200	1.018	1.193	1.394	0.154	0.019	0.155	0.119	0.096	0.905
	Log Location Shift (linear)		1.227	1.067	1.218	1.398	0.129	0.040	0.135	0.105	0.085	0.886
	CFM		1.177	0.975	1.179	1.398	0.191	-0.010	0.191	0.133	0.103	0.942
	CFM (Linear)		1.222	1.055	1.212	1.404	0.139	0.035	0.143	0.112	0.092	0.890
CV		0.269										
	Unfeasible		0.254	0.115	0.228	0.411	0.135	-0.015	0.136	0.103	0.085	0.930
	Naive		0.355	0.214	0.331	0.511	0.134	0.087	0.160	0.113	0.078	0.873
	Weighted		0.296	0.113	0.282	0.485	0.161	0.027	0.164	0.119	0.092	0.900
	Weighted (Linear)		0.299	0.119	0.287	0.482	0.159	0.031	0.162	0.118	0.088	0.913
	Location Shift		0.314	0.161	0.296	0.482	0.143	0.046	0.150	0.106	0.077	0.911
	Location Shift (Linear)		0.326	0.186	0.303	0.486	0.135	0.058	0.147	0.102	0.072	0.905
	Log Location Shift		0.321	0.180	0.300	0.479	0.135	0.052	0.145	0.102	0.071	0.905
	Log Location Shift (linear)		0.344	0.207	0.320	0.495	0.129	0.075	0.149	0.104	0.072	0.884
	CFM		0.270	0.065	0.264	0.474	0.172	0.002	0.172	0.129	0.102	0.914
	CFM (Linear)		0.221	0.038	0.211	0.408	0.161	-0.048	0.168	0.130	0.108	0.900
Interquartile Range		0.670										
	Unfeasible		0.668	0.496	0.661	0.844	0.140	-0.001	0.140	0.112	0.095	0.902
	Naive		0.737	0.557	0.725	0.922	0.143	0.068	0.158	0.123	0.103	0.866
	Weighted		0.684	0.431	0.686	0.949	0.220	0.014	0.220	0.166	0.136	0.915
	Weighted (Linear)		0.691	0.435	0.701	0.952	0.212	0.021	0.213	0.163	0.132	0.910
	Location Shift		0.737	0.552	0.732	0.940	0.152	0.068	0.167	0.129	0.102	0.877
	Location Shift (Linear)		0.749	0.568	0.735	0.941	0.143	0.079	0.163	0.127	0.105	0.864
	Log Location Shift		0.707	0.518	0.702	0.899	0.152	0.037	0.157	0.122	0.100	0.904
	Log Location Shift (linear)		0.736	0.552	0.725	0.929	0.145	0.066	0.159	0.124	0.102	0.879
	CFM		0.637	0.356	0.642	0.930	0.246	-0.032	0.248	0.182	0.143	0.921
	CFM (Linear)		0.635	0.408	0.639	0.867	0.184	-0.034	0.187	0.144	0.118	0.903
Theil Index		0.082										
	Unfeasible		0.081	0.036	0.074	0.133	0.041	-0.001	0.041	0.032	0.025	0.931
	Naive		0.111	0.065	0.105	0.162	0.041	0.029	0.051	0.037	0.026	0.851
	Weighted		0.091	0.032	0.088	0.151	0.052	0.009	0.053	0.039	0.029	0.905
	Weighted (Linear)		0.092	0.034	0.090	0.148	0.051	0.010	0.052	0.038	0.028	0.909
	Location Shift		0.099	0.049	0.094	0.158	0.046	0.017	0.049	0.036	0.026	0.892
	Location Shift (Linear)		0.104	0.057	0.098	0.157	0.044	0.022	0.049	0.035	0.025	0.885
	Log Location Shift		0.101	0.055	0.096	0.153	0.043	0.019	0.047	0.034	0.025	0.892
	Log Location Shift (linear)		0.108	0.064	0.102	0.159	0.041	0.026	0.048	0.035	0.025	0.861
	CFM		0.079	0.009	0.080	0.145	0.060	-0.003	0.061	0.044	0.032	0.914
	CFM (Linear)		0.065	-0.001	0.065	0.128	0.056	-0.017	0.059	0.044	0.034	0.898
Gini Coefficient		0.085										
	Unfeasible		0.084	0.046	0.083	0.124	0.031	-0.001	0.031	0.024	0.020	0.898
	Naive		0.137	0.098	0.137	0.177	0.031	0.052	0.061	0.053	0.052	0.498
	Weighted		0.107	0.034	0.108	0.176	0.060	0.022	0.064	0.050	0.040	0.887
	Weighted (Linear)		0.109	0.041	0.111	0.177	0.056	0.024	0.061	0.048	0.042	0.873
	Location Shift		0.124	0.073	0.122	0.182	0.043	0.039	0.058	0.047	0.041	0.764
	Location Shift (Linear)		0.126	0.081	0.123	0.176	0.037	0.041	0.055	0.045	0.039	0.735
	Log Location Shift		0.115	0.069	0.114	0.162	0.038	0.030	0.048	0.039	0.034	0.793
	Log Location Shift (linear)		0.127	0.087	0.125	0.167	0.032	0.041	0.052	0.044	0.040	0.648
	CFM		0.095	0.012	0.095	0.174	0.066	0.009	0.066	0.051	0.040	0.900
	CFM (Linear)		0.068	0.000	0.071	0.129	0.052	-0.018	0.055	0.042	0.033	0.888

Table B8: Results of Monte Carlo Exercise (Sample Size 1,000, Replications 1000, Logistic Selection Model)

Treatment on the Treated Parameters	Estimators	Target	Average	Lower 10th percentile	Median	Upper 10th percentile	Standard Deviation	Bias	Root Mean Squared Error	Mean Absolute Error	Median Absolute Error	90% C.I. Coverage Rate
Mean Treatment Effects		1.187										
	Unfeasible		1.190	1.117	1.186	1.266	0.057	0.003	0.057	0.046	0.038	0.903
	Naive		1.132	1.062	1.128	1.206	0.056	-0.055	0.079	0.066	0.062	0.731
	Weighted		1.194	1.098	1.194	1.294	0.078	0.007	0.078	0.062	0.052	0.915
	Weighted (Linear)		1.188	1.093	1.187	1.282	0.072	0.001	0.072	0.058	0.049	0.912
	Location Shift		1.191	1.099	1.189	1.281	0.071	0.003	0.071	0.057	0.047	0.905
	Location Shift (Linear)		1.207	1.128	1.204	1.291	0.064	0.024	0.067	0.053	0.044	0.888
	Log Location Shift		1.211	1.119	1.208	1.301	0.071	0.020	0.074	0.059	0.051	0.890
	Log Location Shift (linear)		1.230	1.150	1.226	1.314	0.063	0.043	0.076	0.060	0.050	0.829
	CFM		1.187	1.096	1.184	1.282	0.071	0.000	0.071	0.057	0.049	0.908
	CFM (Linear)		1.204	1.120	1.202	1.293	0.067	0.017	0.069	0.055	0.046	0.888
CV		0.269										
	Unfeasible		0.258	0.175	0.246	0.352	0.073	-0.010	0.074	0.057	0.047	0.907
	Naive		0.363	0.283	0.353	0.455	0.072	0.095	0.119	0.096	0.085	0.692
	Weighted		0.276	0.171	0.274	0.391	0.094	0.008	0.094	0.070	0.054	0.919
	Weighted (Linear)		0.286	0.184	0.281	0.401	0.091	0.017	0.092	0.069	0.053	0.902
	Location Shift		0.340	0.255	0.328	0.439	0.076	0.071	0.104	0.079	0.061	0.797
	Location Shift (Linear)		0.335	0.256	0.323	0.427	0.072	0.066	0.098	0.074	0.056	0.807
	Log Location Shift		0.347	0.268	0.335	0.437	0.071	0.078	0.106	0.082	0.067	0.774
	Log Location Shift (linear)		0.352	0.276	0.341	0.440	0.069	0.084	0.109	0.086	0.073	0.735
	CFM		0.289	0.185	0.284	0.397	0.089	0.020	0.091	0.068	0.055	0.895
	CFM (Linear)		0.247	0.140	0.247	0.352	0.090	-0.021	0.093	0.069	0.052	0.899
Interquartile Range		0.670										
	Unfeasible		0.669	0.575	0.666	0.764	0.073	-0.001	0.073	0.058	0.049	0.893
	Naive		0.738	0.646	0.736	0.830	0.073	0.069	0.100	0.081	0.069	0.767
	Weighted		0.673	0.532	0.678	0.806	0.109	0.003	0.109	0.085	0.069	0.898
	Weighted (Linear)		0.683	0.551	0.685	0.812	0.102	0.013	0.102	0.082	0.066	0.899
	Location Shift		0.770	0.671	0.765	0.870	0.078	0.100	0.127	0.106	0.096	0.648
	Location Shift (Linear)		0.756	0.663	0.755	0.849	0.073	0.087	0.113	0.093	0.085	0.677
	Log Location Shift		0.727	0.633	0.724	0.824	0.075	0.057	0.095	0.076	0.065	0.817
	Log Location Shift (linear)		0.739	0.645	0.737	0.834	0.074	0.069	0.101	0.081	0.070	0.762
	CFM		0.667	0.538	0.670	0.785	0.097	-0.003	0.097	0.076	0.062	0.898
	CFM (Linear)		0.668	0.556	0.671	0.778	0.085	-0.001	0.085	0.068	0.056	0.901
Theil Index		0.082										
	Unfeasible		0.081	0.057	0.078	0.107	0.020	-0.001	0.020	0.016	0.014	0.920
	Naive		0.112	0.088	0.109	0.138	0.020	0.029	0.036	0.030	0.027	0.611
	Weighted		0.084	0.052	0.086	0.117	0.029	0.002	0.029	0.022	0.017	0.913
	Weighted (Linear)		0.088	0.056	0.088	0.120	0.027	0.006	0.027	0.021	0.017	0.901
	Location Shift		0.107	0.081	0.104	0.136	0.023	0.025	0.033	0.027	0.023	0.742
	Location Shift (Linear)		0.106	0.081	0.104	0.135	0.021	0.024	0.032	0.026	0.022	0.735
	Log Location Shift		0.107	0.084	0.105	0.134	0.020	0.025	0.032	0.026	0.023	0.703
	Log Location Shift (linear)		0.109	0.086	0.107	0.135	0.020	0.027	0.033	0.027	0.025	0.656
	CFM		0.089	0.058	0.089	0.121	0.026	0.007	0.027	0.021	0.017	0.898
	CFM (Linear)		0.077	0.046	0.078	0.107	0.026	-0.005	0.027	0.020	0.015	0.907
Gini Coefficient		0.085										
	Unfeasible		0.085	0.066	0.084	0.104	0.015	-0.001	0.015	0.012	0.011	0.901
	Naive		0.139	0.120	0.138	0.158	0.015	0.054	0.056	0.054	0.053	0.016
	Weighted		0.093	0.051	0.096	0.131	0.033	0.008	0.034	0.027	0.023	0.900
	Weighted (Linear)		0.098	0.058	0.099	0.135	0.030	0.013	0.033	0.027	0.023	0.875
	Location Shift		0.135	0.105	0.133	0.166	0.023	0.049	0.055	0.050	0.048	0.329
	Location Shift (Linear)		0.130	0.106	0.129	0.156	0.019	0.045	0.049	0.045	0.043	0.252
	Log Location Shift		0.125	0.103	0.125	0.148	0.017	0.040	0.044	0.040	0.040	0.252
	Log Location Shift (linear)		0.128	0.109	0.127	0.148	0.015	0.043	0.046	0.043	0.042	0.112
	CFM		0.098	0.063	0.100	0.133	0.028	0.013	0.031	0.025	0.021	0.865
	CFM (Linear)		0.080	0.047	0.082	0.109	0.025	-0.005	0.026	0.019	0.015	0.917

Table B9: Results of Monte Carlo Exercise (Sample Size 250, Replications 1000, Normal Selection Model)

Treatment on the Treated Parameters	Estimators	Linear		Quadratic		Cubic	
		Standard Error	90% C.I. Coverage Rate	Standard Error	90% C.I. Coverage Rate	Standard Error	90% C.I. Coverage Rate
Mean Treatment Effects	Weighted	0.142	0.896	0.149	0.911	0.162	0.938
	Weighted (Linear)	0.142	0.956	0.154	0.907	0.175	0.932
CV	Weighted	0.112	0.824	0.117	0.839	0.129	0.870
	Weighted (Linear)	0.113	0.907	0.123	0.816	0.142	0.845
Interquartile Range	Weighted	0.212	0.917	0.227	0.931	0.261	0.962
	Weighted (Linear)	0.200	0.986	0.179	0.912	0.187	0.871
Theil Index	Weighted	0.041	0.850	0.042	0.856	0.050	0.879
	Weighted (Linear)	0.042	0.908	0.045	0.878	0.051	0.892
Gini Coefficient	Weighted	0.188	1.000	0.238	1.000	0.327	1.000
	Weighted (Linear)	0.172	1.000	0.214	0.999	0.293	1.000

Table B10: Results of Monte Carlo Exercise (Sample Size 1,000, Replications 1000, Normal Selection Model)

Treatment on the Treated Parameters	Estimators	Linear		Quadratic		Cubic	
		Standard Error	90% C.I. Coverage Rate	Standard Error	90% C.I. Coverage Rate	Standard Error	90% C.I. Coverage Rate
Mean Treatment Effects	Weighted	0.079	0.907	0.082	0.921	0.086	0.934
	Weighted (Linear)	0.071	0.955	0.072	0.890	0.074	0.894
CV	Weighted	0.077	0.846	0.078	0.849	0.081	0.865
	Weighted (Linear)	0.072	0.886	0.072	0.837	0.073	0.839
Interquartile Range	Weighted	0.107	0.926	0.111	0.939	0.120	0.951
	Weighted (Linear)	0.092	0.969	0.092	0.890	0.093	0.890
Theil Index	Weighted	0.026	0.873	0.026	0.883	0.030	0.894
	Weighted (Linear)	0.025	0.914	0.025	0.889	0.025	0.888
Gini Coefficient	Weighted	0.054	0.985	0.051	0.981	0.062	0.990
	Weighted (Linear)	0.046	0.999	0.043	0.984	0.050	0.975

Table B11: Results of Monte Carlo Exercise (Sample Size 250, Replications 1000, Logistic Selection Model)

Treatment on the Treated Parameters	Estimators	Linear		Quadratic		Cubic	
		Standard Error	90% C.I. Coverage Rate	Standard Error	90% C.I. Coverage Rate	Standard Error	90% C.I. Coverage Rate
Mean Treatment Effects	Weighted	0.154	0.910	0.166	0.924	0.190	0.957
	Weighted (Linear)	0.157	0.981	0.179	0.914	0.218	0.954
CV	Weighted	0.144	0.878	0.167	0.911	0.210	0.959
	Weighted (Linear)	0.141	0.982	0.174	0.888	0.234	0.931
Interquartile Range	Weighted	0.233	0.924	0.263	0.957	0.323	0.981
	Weighted (Linear)	0.266	0.991	0.229	0.964	0.220	0.933
Theil Index	Weighted	0.047	0.878	0.051	0.901	0.075	0.930
	Weighted (Linear)	0.047	0.968	0.054	0.890	0.065	0.918
Gini Coefficient	Weighted	0.426	1.000	0.578	1.000	0.858	1.000
	Weighted (Linear)	0.608	1.000	0.988	1.000	1.777	1.000

Table B12: Results of Monte Carlo Exercise (Sample Size 1,000, Replications 1000, Logistic Selection Model)

Treatment on the Treated Parameters	Estimators	Linear		Quadratic		Cubic	
		Standard Error	90% C.I. Coverage Rate	Standard Error	90% C.I. Coverage Rate	Standard Error	90% C.I. Coverage Rate
Mean Treatment Effects	Weighted	0.085	0.931	0.091	0.944	0.099	0.955
	Weighted (Linear)	0.076	0.973	0.079	0.927	0.082	0.933
CV	Weighted	0.085	0.886	0.090	0.908	0.098	0.922
	Weighted (Linear)	0.076	0.942	0.078	0.851	0.083	0.858
Interquartile Range	Weighted	0.130	0.945	0.144	0.963	0.164	0.983
	Weighted (Linear)	0.100	0.993	0.099	0.891	0.100	0.889
Theil Index	Weighted	0.028	0.906	0.030	0.923	0.038	0.939
	Weighted (Linear)	0.026	0.962	0.027	0.892	0.028	0.902
Gini Coefficient	Weighted	0.089	1.000	0.090	1.000	0.115	1.000
	Weighted (Linear)	0.067	1.000	0.066	1.000	0.082	0.999

Table C3: Results of Monte Carlo Exercise (Sample Size 250, Replications 1000, Normal Selection Model)

Treatment on the Treated Parameters	Estimators	Target	Average	Lower 10th percentile	Median	Upper 10th percentile	Standard Deviation	Bias	Root Mean Squared Error	Mean Absolute Error	Median Absolute Error	90% C.I. Coverage Rate
Mean Treatment Effects		1.035										
	Unfeasible		1.037	0.947	1.033	1.129	0.072	0.002	0.072	0.056	0.047	0.897
	Naive		1.078	0.947	1.075	1.213	0.109	0.044	0.118	0.092	0.076	0.893
	Weighted		1.037	0.919	1.037	1.160	0.097	0.003	0.097	0.078	0.066	0.913
	Weighted (Linear)		1.036	0.917	1.032	1.158	0.097	0.001	0.097	0.077	0.066	0.906
	Location Shift		1.038	0.918	1.035	1.160	0.097	0.003	0.097	0.078	0.068	0.908
	Location Shift (Linear)		1.040	0.923	1.036	1.162	0.098	0.036	0.098	0.078	0.068	0.905
	Log Location Shift		1.070	0.943	1.067	1.202	0.103	0.006	0.109	0.086	0.071	0.889
	Log Location Shift (linear)		1.069	0.945	1.064	1.194	0.103	0.034	0.108	0.085	0.071	0.902
	CFM		1.108	0.788	0.975	1.146	1.363	0.073	1.365	0.308	0.097	0.975
	CFM (Linear)		0.982	0.857	0.978	1.111	0.099	-0.053	0.112	0.091	0.079	0.850
CV		0.262										
	Unfeasible		0.256	0.157	0.235	0.376	0.099	-0.006	0.099	0.074	0.059	0.933
	Naive		0.302	0.165	0.282	0.455	0.134	0.040	0.139	0.095	0.068	0.920
	Weighted		0.256	0.131	0.240	0.395	0.121	-0.006	0.121	0.087	0.069	0.924
	Weighted (Linear)		0.262	0.135	0.247	0.403	0.124	0.001	0.124	0.088	0.066	0.927
	Location Shift		0.312	0.166	0.288	0.477	0.143	0.051	0.151	0.101	0.071	0.913
	Location Shift (Linear)		0.314	0.169	0.291	0.475	0.143	0.052	0.152	0.102	0.071	0.914
	Log Location Shift		0.318	0.180	0.298	0.464	0.123	0.056	0.135	0.096	0.070	0.904
	Log Location Shift (linear)		0.312	0.176	0.295	0.458	0.121	0.050	0.131	0.093	0.068	0.901
	CFM		0.180	0.027	0.167	0.353	0.153	-0.082	0.173	0.136	0.116	0.900
	CFM (Linear)		0.166	0.040	0.152	0.296	0.117	-0.096	0.151	0.126	0.117	0.805
Interquartile Range		0.556										
	Unfeasible		0.557	0.450	0.556	0.665	0.084	0.001	0.084	0.067	0.058	0.896
	Naive		0.635	0.467	0.631	0.806	0.130	0.079	0.152	0.120	0.100	0.851
	Weighted		0.559	0.405	0.554	0.720	0.125	0.003	0.125	0.100	0.085	0.901
	Weighted (Linear)		0.558	0.413	0.554	0.713	0.121	0.002	0.121	0.097	0.084	0.899
	Location Shift		0.653	0.519	0.650	0.800	0.112	0.097	0.148	0.117	0.101	0.801
	Location Shift (Linear)		0.608	0.473	0.599	0.746	0.110	0.052	0.122	0.093	0.075	0.871
	Log Location Shift		0.642	0.504	0.634	0.779	0.105	0.085	0.136	0.108	0.088	0.788
	Log Location Shift (linear)		0.607	0.481	0.604	0.735	0.100	0.051	0.112	0.089	0.075	0.855
	CFM		0.501	0.298	0.504	0.756	0.222	-0.055	0.229	0.162	0.120	0.924
	CFM (Linear)		0.479	0.319	0.471	0.650	0.136	-0.077	0.156	0.127	0.113	0.852
Theil Index		0.074										
	Unfeasible		0.074	0.046	0.070	0.109	0.026	0.000	0.026	0.020	0.016	0.925
	Naive		0.092	0.049	0.086	0.140	0.040	0.018	0.043	0.030	0.022	0.898
	Weighted		0.075	0.037	0.071	0.116	0.034	0.000	0.034	0.025	0.020	0.919
	Weighted (Linear)		0.077	0.039	0.072	0.120	0.035	0.003	0.035	0.026	0.019	0.926
	Location Shift		0.095	0.047	0.088	0.149	0.044	0.021	0.049	0.034	0.025	0.893
	Location Shift (Linear)		0.096	0.048	0.089	0.152	0.046	0.022	0.051	0.035	0.025	0.889
	Log Location Shift		0.098	0.053	0.093	0.148	0.039	0.024	0.045	0.034	0.025	0.866
	Log Location Shift (linear)		0.097	0.051	0.092	0.146	0.038	0.022	0.044	0.033	0.024	0.869
	CFM		0.050	0.002	0.046	0.101	0.044	-0.024	0.051	0.040	0.035	0.872
	CFM (Linear)		0.046	0.007	0.042	0.085	0.035	-0.028	0.045	0.037	0.035	0.806
Gini Coefficient		0.087										
	Unfeasible		0.086	0.062	0.086	0.113	0.030	0.000	0.020	0.016	0.013	0.895
	Naive		0.110	0.072	0.109	0.147	0.020	0.023	0.037	0.030	0.025	0.803
	Weighted		0.087	0.051	0.087	0.122	0.028	0.000	0.028	0.022	0.018	0.891
	Weighted (Linear)		0.089	0.055	0.089	0.125	0.028	0.002	0.028	0.022	0.019	0.888
	Location Shift		0.116	0.069	0.113	0.165	0.039	0.029	0.048	0.038	0.030	0.821
	Location Shift (Linear)		0.113	0.065	0.110	0.161	0.040	0.026	0.047	0.036	0.028	0.846
	Log Location Shift		0.108	0.070	0.109	0.147	0.030	0.022	0.037	0.030	0.026	0.828
	Log Location Shift (linear)		0.105	0.066	0.105	0.143	0.030	0.018	0.035	0.028	0.024	0.851
	CFM		0.065	0.004	0.063	0.137	0.063	-0.022	0.066	0.048	0.037	0.917
	CFM (Linear)		0.055	0.011	0.054	0.098	0.034	-0.032	0.047	0.038	0.034	0.767

Table C4: Results of Monte Carlo Exercise (Sample Size 1,000, Replications 1000, Normal Selection Model)

Treatment on the Treated Parameters	Estimators	Target	Average	Lower 10th percentile	Median	Upper 10th percentile	Standard Deviation	Bias	Root Mean Squared Error	Mean Absolute Error	Median Absolute Error	90% C.I. Coverage Rate
Mean Treatment Effects		1.035										
	Unfeasible		1.036	0.993	1.035	1.082	0.035	0.002	0.035	0.028	0.023	0.892
	Naive		1.079	1.010	1.077	1.149	0.055	0.044	0.070	0.056	0.048	0.793
	Weighted		1.036	0.975	1.033	1.100	0.049	0.001	0.049	0.039	0.033	0.915
	Weighted (Linear)		1.034	0.974	1.032	1.100	0.049	-0.001	0.049	0.039	0.033	0.913
	Location Shift		1.035	0.975	1.033	1.099	0.049	0.001	0.049	0.039	0.034	0.908
	Location Shift (Linear)		1.039	0.978	1.036	1.103	0.050	0.029	0.050	0.040	0.034	0.911
	Log Location Shift		1.063	0.999	1.061	1.131	0.052	0.004	0.059	0.046	0.038	0.847
	Log Location Shift (linear)		1.066	1.001	1.064	1.133	0.052	0.031	0.060	0.047	0.039	0.851
	CFM		0.968	0.906	0.966	1.033	0.051	-0.066	0.084	0.072	0.070	0.626
	CFM (Linear)		0.966	0.906	0.966	1.030	0.049	-0.068	0.084	0.073	0.069	0.596
CV		0.262										
	Unfeasible		0.258	0.201	0.250	0.322	0.051	-0.004	0.052	0.040	0.033	0.924
	Naive		0.309	0.228	0.297	0.399	0.071	0.047	0.085	0.062	0.044	0.857
	Weighted		0.257	0.182	0.249	0.341	0.063	-0.005	0.064	0.049	0.039	0.917
	Weighted (Linear)		0.264	0.188	0.254	0.347	0.065	0.002	0.065	0.048	0.037	0.913
	Location Shift		0.318	0.234	0.307	0.412	0.075	0.056	0.093	0.068	0.051	0.842
	Location Shift (Linear)		0.320	0.235	0.309	0.417	0.075	0.058	0.095	0.070	0.051	0.838
	Log Location Shift		0.308	0.240	0.302	0.384	0.057	0.046	0.073	0.057	0.045	0.814
	Log Location Shift (linear)		0.309	0.242	0.303	0.385	0.057	0.047	0.074	0.057	0.045	0.809
	CFM		0.142	0.086	0.141	0.200	0.050	-0.120	0.130	0.120	0.121	0.185
	CFM (Linear)		0.140	0.084	0.138	0.197	0.045	-0.122	0.130	0.123	0.124	0.132
Interquartile Range		0.556										
	Unfeasible		0.555	0.502	0.555	0.609	0.042	-0.001	0.042	0.033	0.027	0.898
	Naive		0.632	0.554	0.628	0.719	0.066	0.076	0.101	0.083	0.074	0.699
	Weighted		0.554	0.481	0.553	0.631	0.060	-0.002	0.060	0.047	0.038	0.908
	Weighted (Linear)		0.553	0.481	0.552	0.628	0.059	-0.003	0.059	0.046	0.037	0.908
	Location Shift		0.651	0.584	0.647	0.721	0.056	0.095	0.110	0.096	0.091	0.508
	Location Shift (Linear)		0.612	0.543	0.607	0.687	0.058	0.056	0.080	0.064	0.054	0.757
	Log Location Shift		0.638	0.567	0.636	0.707	0.054	0.082	0.098	0.084	0.080	0.573
	Log Location Shift (linear)		0.599	0.537	0.597	0.665	0.051	0.043	0.067	0.054	0.046	0.783
	CFM		0.488	0.399	0.486	0.580	0.071	-0.068	0.098	0.082	0.075	0.738
	CFM (Linear)		0.477	0.396	0.477	0.560	0.066	-0.079	0.103	0.087	0.081	0.673
Theil Index		0.074										
	Unfeasible		0.074	0.059	0.073	0.091	0.019	0.000	0.013	0.010	0.008	0.910
	Naive		0.092	0.069	0.091	0.118	0.013	0.018	0.026	0.021	0.017	0.780
	Weighted		0.074	0.054	0.073	0.097	0.016	0.000	0.016	0.013	0.011	0.901
	Weighted (Linear)		0.076	0.056	0.074	0.099	0.017	0.002	0.017	0.013	0.010	0.898
	Location Shift		0.096	0.070	0.094	0.126	0.022	0.022	0.031	0.024	0.020	0.785
	Location Shift (Linear)		0.098	0.071	0.095	0.129	0.023	0.024	0.033	0.026	0.021	0.773
	Log Location Shift		0.094	0.072	0.092	0.118	0.018	0.020	0.027	0.022	0.018	0.727
	Log Location Shift (linear)		0.095	0.072	0.093	0.119	0.018	0.020	0.027	0.022	0.019	0.726
	CFM		0.040	0.023	0.039	0.056	0.014	-0.034	0.037	0.035	0.035	0.187
	CFM (Linear)		0.039	0.022	0.038	0.056	0.013	-0.036	0.038	0.036	0.036	0.138
Gini Coefficient		0.087										
	Unfeasible		0.087	0.075	0.086	0.100	0.015	0.000	0.010	0.008	0.006	0.890
	Naive		0.111	0.092	0.110	0.131	0.010	0.024	0.028	0.025	0.023	0.527
	Weighted		0.087	0.069	0.086	0.105	0.014	0.000	0.014	0.011	0.009	0.894
	Weighted (Linear)		0.089	0.071	0.089	0.107	0.014	0.002	0.014	0.011	0.010	0.897
	Location Shift		0.118	0.092	0.116	0.145	0.021	0.031	0.038	0.032	0.030	0.607
	Location Shift (Linear)		0.117	0.090	0.114	0.146	0.022	0.030	0.037	0.031	0.028	0.644
	Log Location Shift		0.107	0.088	0.107	0.127	0.015	0.020	0.025	0.021	0.020	0.615
	Log Location Shift (linear)		0.105	0.086	0.105	0.125	0.015	0.018	0.024	0.020	0.019	0.668
	CFM		0.054	0.034	0.055	0.075	0.016	-0.032	0.036	0.033	0.032	0.355
	CFM (Linear)		0.051	0.031	0.051	0.071	0.016	-0.035	0.039	0.036	0.035	0.267

Table C5: Results of Monte Carlo Exercise (Sample Size 250, Replications 1000, Logistic Selection Model)

Treatment on the Treated Parameters	Estimators	Target	Average	Lower 10th percentile	Median	Upper 10th percentile	Standard Deviation	Bias	Root Mean Squared Error	Mean Absolute Error	Median Absolute Error	90% C.I. Coverage Rate
Mean Treatment Effects		1.034										
	Unfeasible		1.035	0.947	1.033	1.129	0.072	0.003	0.072	0.056	0.047	0.898
	Naive		1.084	0.948	1.078	1.221	0.107	0.097	0.152	0.119	0.098	0.799
	Weighted		1.038	0.914	1.034	1.156	0.097	0.012	0.157	0.116	0.090	0.912
	Weighted (Linear)		1.035	0.914	1.033	1.154	0.096	-0.005	0.169	0.120	0.097	0.927
	Location Shift		1.038	0.916	1.036	1.161	0.096	0.004	0.163	0.128	0.107	0.902
	Location Shift (Linear)		1.040	0.920	1.035	1.162	0.097	0.076	0.123	0.097	0.081	0.908
	Log Location Shift		1.073	0.949	1.072	1.197	0.101	0.002	0.180	0.137	0.109	0.876
	Log Location Shift (linear)		1.072	0.944	1.068	1.196	0.101	0.073	0.143	0.111	0.090	0.846
	CFM		1.042	0.808	0.970	1.140	0.826	0.050	1.236	0.367	0.177	0.978
	CFM (Linear)		0.977	0.852	0.972	1.105	0.100	-0.094	0.192	0.155	0.141	0.848
CV		0.261										
	Unfeasible		0.256	0.157	0.235	0.376	0.099	-0.005	0.099	0.073	0.058	0.931
	Naive		0.306	0.174	0.278	0.465	0.134	0.095	0.164	0.117	0.082	0.864
	Weighted		0.256	0.138	0.237	0.408	0.117	0.012	0.130	0.096	0.074	0.914
	Weighted (Linear)		0.263	0.137	0.239	0.407	0.120	0.010	0.130	0.096	0.077	0.920
	Location Shift		0.318	0.179	0.286	0.492	0.143	0.122	0.204	0.145	0.105	0.859
	Location Shift (Linear)		0.321	0.179	0.289	0.491	0.145	0.132	0.212	0.151	0.103	0.850
	Log Location Shift		0.323	0.192	0.305	0.476	0.123	0.136	0.203	0.152	0.121	0.813
	Log Location Shift (linear)		0.319	0.187	0.297	0.470	0.124	0.150	0.219	0.162	0.124	0.802
	CFM		0.183	0.030	0.166	0.351	0.166	-0.150	0.241	0.197	0.172	0.820
	CFM (Linear)		0.159	0.033	0.145	0.297	0.119	-0.193	0.248	0.216	0.208	0.666
Interquartile Range		0.556										
	Unfeasible		0.557	0.450	0.556	0.665	0.084	0.002	0.084	0.067	0.058	0.897
	Naive		0.649	0.485	0.643	0.823	0.132	0.182	0.231	0.191	0.170	0.663
	Weighted		0.565	0.405	0.556	0.727	0.130	0.015	0.271	0.186	0.141	0.933
	Weighted (Linear)		0.561	0.403	0.554	0.718	0.125	-0.001	0.310	0.203	0.153	0.940
	Location Shift		0.657	0.521	0.653	0.798	0.109	0.148	0.240	0.178	0.128	0.834
	Location Shift (Linear)		0.604	0.468	0.601	0.750	0.109	0.014	0.104	0.082	0.068	0.904
	Log Location Shift		0.648	0.513	0.644	0.787	0.105	0.119	0.195	0.148	0.117	0.836
	Log Location Shift (linear)		0.606	0.475	0.604	0.739	0.102	0.020	0.102	0.081	0.071	0.893
	CFM		0.498	0.295	0.484	0.753	0.209	-0.118	0.541	0.345	0.268	0.949
	CFM (Linear)		0.469	0.298	0.453	0.661	0.143	-0.202	0.314	0.263	0.243	0.782
Theil Index		0.074										
	Unfeasible		0.074	0.046	0.070	0.109	0.040	-0.012	0.029	0.024	0.022	0.881
	Naive		0.094	0.052	0.086	0.143	0.026	0.024	0.048	0.035	0.024	0.878
	Weighted		0.075	0.039	0.070	0.117	0.033	-0.008	0.041	0.032	0.025	0.899
	Weighted (Linear)		0.077	0.040	0.071	0.120	0.034	-0.009	0.041	0.032	0.026	0.910
	Location Shift		0.098	0.052	0.088	0.154	0.045	0.037	0.064	0.046	0.033	0.854
	Location Shift (Linear)		0.099	0.052	0.089	0.156	0.046	0.039	0.068	0.048	0.033	0.852
	Log Location Shift		0.100	0.057	0.095	0.150	0.039	0.038	0.061	0.046	0.037	0.830
	Log Location Shift (linear)		0.099	0.056	0.093	0.150	0.040	0.041	0.064	0.047	0.035	0.829
	CFM		0.051	0.003	0.046	0.098	0.051	-0.057	0.093	0.074	0.064	0.852
	CFM (Linear)		0.044	0.006	0.040	0.086	0.036	-0.075	0.094	0.081	0.076	0.672
Gini Coefficient		0.087										
	Unfeasible		0.086	0.062	0.086	0.113	0.031	0.000	0.020	0.016	0.013	0.895
	Naive		0.112	0.074	0.111	0.153	0.020	0.050	0.059	0.052	0.050	0.514
	Weighted		0.087	0.052	0.087	0.123	0.028	0.006	0.044	0.034	0.027	0.893
	Weighted (Linear)		0.090	0.056	0.088	0.124	0.028	0.004	0.043	0.033	0.026	0.912
	Location Shift		0.119	0.074	0.114	0.170	0.039	0.056	0.068	0.058	0.053	0.618
	Location Shift (Linear)		0.116	0.068	0.111	0.166	0.040	0.052	0.068	0.055	0.048	0.706
	Log Location Shift		0.111	0.073	0.110	0.151	0.031	0.047	0.060	0.051	0.047	0.654
	Log Location Shift (linear)		0.108	0.071	0.106	0.149	0.031	0.045	0.057	0.048	0.043	0.644
	CFM		0.065	0.007	0.061	0.135	0.061	-0.051	0.098	0.077	0.062	0.866
	CFM (Linear)		0.052	0.008	0.052	0.097	0.035	-0.078	0.098	0.082	0.076	0.658

Table C6: Results of Monte Carlo Exercise (Sample Size 1,000, Replications 1000, Logistic Selection Model)

Treatment on the Treated Parameters	Estimators	Target	Average	Lower 10th percentile	Median	Upper 10th percentile	Standard Deviation	Bias	Root Mean Squared Error	Mean Absolute Error	Median Absolute Error	90% C.I. Coverage Rate
Mean Treatment Effects		1.034										
	Unfeasible		1.036	0.993	1.035	1.082	0.035	0.002	0.035	0.028	0.023	0.892
	Naive		1.083	1.016	1.082	1.153	0.053	0.049	0.072	0.059	0.051	0.759
	Weighted		1.035	0.974	1.034	1.096	0.047	0.001	0.047	0.038	0.033	0.909
	Weighted (Linear)		1.033	0.972	1.032	1.093	0.047	-0.001	0.047	0.037	0.033	0.912
	Location Shift		1.035	0.974	1.035	1.095	0.047	0.001	0.047	0.038	0.033	0.910
	Location Shift (Linear)		1.039	0.978	1.039	1.101	0.048	0.031	0.048	0.038	0.034	0.911
	Log Location Shift		1.065	1.001	1.065	1.128	0.049	0.005	0.058	0.047	0.040	0.844
	Log Location Shift (linear)		1.068	1.004	1.069	1.130	0.049	0.034	0.060	0.048	0.041	0.824
	CFM		0.963	0.897	0.964	1.029	0.050	-0.071	0.087	0.075	0.070	0.577
	CFM (Linear)		0.961	0.900	0.961	1.022	0.047	-0.073	0.087	0.076	0.073	0.537
CV		0.261										
	Unfeasible		0.258	0.201	0.250	0.322	0.051	-0.003	0.051	0.039	0.032	0.924
	Naive		0.312	0.234	0.303	0.401	0.072	0.052	0.088	0.065	0.048	0.843
	Weighted		0.256	0.184	0.249	0.335	0.063	-0.004	0.063	0.048	0.038	0.920
	Weighted (Linear)		0.264	0.190	0.255	0.344	0.064	0.003	0.064	0.048	0.037	0.920
	Location Shift		0.323	0.240	0.313	0.415	0.076	0.063	0.098	0.073	0.055	0.835
	Location Shift (Linear)		0.325	0.242	0.314	0.421	0.077	0.065	0.101	0.075	0.057	0.820
	Log Location Shift		0.311	0.243	0.305	0.386	0.058	0.050	0.077	0.059	0.046	0.798
	Log Location Shift (linear)		0.313	0.244	0.306	0.391	0.059	0.053	0.079	0.061	0.047	0.796
	CFM		0.136	0.081	0.133	0.193	0.050	-0.125	0.134	0.126	0.128	0.164
	CFM (Linear)		0.131	0.081	0.129	0.186	0.047	-0.129	0.137	0.130	0.132	0.105
Interquartile Range		0.556										
	Unfeasible		0.555	0.502	0.555	0.609	0.042	-0.001	0.042	0.033	0.027	0.894
	Naive		0.641	0.561	0.640	0.723	0.066	0.085	0.108	0.091	0.086	0.647
	Weighted		0.553	0.472	0.553	0.632	0.062	-0.003	0.062	0.049	0.041	0.894
	Weighted (Linear)		0.551	0.467	0.549	0.630	0.061	-0.005	0.062	0.049	0.039	0.893
	Location Shift		0.652	0.580	0.650	0.724	0.056	0.096	0.111	0.098	0.095	0.473
	Location Shift (Linear)		0.607	0.535	0.605	0.682	0.058	0.052	0.077	0.062	0.052	0.782
	Log Location Shift		0.640	0.576	0.639	0.708	0.052	0.084	0.099	0.086	0.083	0.510
	Log Location Shift (linear)		0.597	0.536	0.595	0.661	0.049	0.042	0.064	0.052	0.044	0.788
	CFM		0.478	0.382	0.476	0.572	0.075	-0.078	0.108	0.090	0.083	0.718
	CFM (Linear)		0.464	0.372	0.464	0.555	0.070	-0.091	0.115	0.099	0.093	0.634
Theil Index		0.074										
	Unfeasible		0.074	0.059	0.073	0.091	0.019	-0.013	0.018	0.015	0.015	0.714
	Naive		0.094	0.071	0.092	0.119	0.013	0.007	0.021	0.015	0.012	0.892
	Weighted		0.074	0.054	0.072	0.095	0.016	-0.013	0.021	0.017	0.016	0.793
	Weighted (Linear)		0.076	0.056	0.075	0.097	0.017	-0.011	0.020	0.016	0.015	0.832
	Location Shift		0.098	0.072	0.095	0.127	0.023	0.011	0.026	0.019	0.014	0.882
	Location Shift (Linear)		0.100	0.072	0.097	0.130	0.024	0.013	0.027	0.020	0.015	0.863
	Log Location Shift		0.095	0.074	0.093	0.119	0.018	0.009	0.020	0.015	0.012	0.865
	Log Location Shift (linear)		0.096	0.074	0.094	0.121	0.019	0.010	0.021	0.016	0.012	0.864
	CFM		0.038	0.022	0.037	0.055	0.014	-0.049	0.051	0.049	0.050	0.035
	CFM (Linear)		0.036	0.021	0.035	0.053	0.014	-0.051	0.052	0.051	0.051	0.020
Gini Coefficient		0.087										
	Unfeasible		0.087	0.075	0.086	0.100	0.015	0.000	0.010	0.008	0.006	0.888
	Naive		0.113	0.095	0.113	0.133	0.010	0.027	0.030	0.027	0.026	0.468
	Weighted		0.086	0.069	0.086	0.105	0.014	0.000	0.014	0.011	0.009	0.905
	Weighted (Linear)		0.089	0.073	0.088	0.107	0.014	0.002	0.014	0.011	0.009	0.899
	Location Shift		0.121	0.095	0.119	0.147	0.022	0.034	0.040	0.035	0.032	0.561
	Location Shift (Linear)		0.119	0.092	0.117	0.147	0.022	0.032	0.039	0.033	0.030	0.616
	Log Location Shift		0.109	0.090	0.108	0.129	0.015	0.022	0.027	0.023	0.022	0.584
	Log Location Shift (linear)		0.107	0.088	0.106	0.127	0.015	0.020	0.025	0.021	0.019	0.638
	CFM		0.051	0.032	0.051	0.072	0.016	-0.035	0.039	0.035	0.036	0.301
	CFM (Linear)		0.048	0.029	0.048	0.068	0.016	-0.039	0.042	0.039	0.039	0.217

Table D5: Results of Monte Carlo Exercise (Sample Size 250, Replications 1000, Normal Selection Model)

Treatment on the Treated Parameters	Estimators	Target	Average	Lower 10th percentile	Median	Upper 10th percentile	Standard Deviation	Bias	Root Mean Squared Error	Mean Absolute Error	Median Absolute Error	90% C.I. Coverage Rate
		0.097										
Mean Treatment Effects	Unfeasible		0.097	0.093	0.097	0.100	0.003	0.0001	0.003	0.002	0.002	0.905
	Naive		0.097	0.093	0.097	0.100	0.003	0.0000	0.003	0.002	0.002	0.909
	Weighted		0.097	0.092	0.097	0.101	0.003	0.0001	0.003	0.003	0.002	0.904
	Location Shift		0.096	0.086	0.097	0.106	0.008	-0.0004	0.008	0.006	0.005	0.902
	Log Location Shift		0.096	0.077	0.084	0.095	0.008	-0.0005	0.008	0.006	0.005	0.902
	CFM		0.085	0.788	0.975	1.146	0.008	-0.0117	0.014	0.013	0.013	0.513
		-0.0001										
CV	Unfeasible		-0.0001	-0.0025	-0.0001	0.0023	0.0019	0.0000	0.0019	0.0015	0.0013	0.902
	Naive		-0.0001	-0.0024	-0.0001	0.0021	0.0017	0.0000	0.0017	0.0014	0.0011	0.891
	Weighted		0.0000	-0.0029	0.0001	0.0028	0.0022	0.0001	0.0022	0.0018	0.0015	0.901
	Location Shift		-0.0013	-0.0053	-0.0008	0.0025	0.0034	-0.0012	0.0036	0.0025	0.0019	0.914
	Log Location Shift		-0.0013	-0.0091	-0.0042	-0.0006	0.0034	-0.0012	0.0036	0.0025	0.0019	0.912
	CFM		-0.0046	0.0273	0.1670	0.3527	0.0034	-0.0045	0.0057	0.0047	0.0041	0.673
		0.002										
Interquartile Range	Unfeasible		0.001	-0.004	0.001	0.007	0.004	0.000	0.004	0.003	0.003	0.898
	Naive		0.002	-0.004	0.002	0.007	0.004	0.000	0.004	0.003	0.003	0.904
	Weighted		0.002	-0.005	0.002	0.008	0.005	0.000	0.005	0.004	0.003	0.902
	Location Shift		0.000	-0.008	0.002	0.008	0.008	-0.001	0.008	0.005	0.004	0.918
	Log Location Shift		0.000	-0.028	-0.015	-0.005	0.008	-0.001	0.008	0.005	0.004	0.917
	CFM		-0.016	0.298	0.504	0.756	0.009	-0.018	0.020	0.018	0.017	0.429
		-0.000068										
Theil Index	Unfeasible		-0.000002	-0.000049	-0.000001	0.000046	0.000037	0.000000	0.000037	0.000030	0.000026	0.900
	Naive		-0.000002	-0.000047	-0.000001	0.000043	0.000035	0.000000	0.000035	0.000028	0.000022	0.888
	Weighted		0.000001	-0.000057	0.000003	0.000056	0.000044	0.000002	0.000044	0.000035	0.000030	0.902
	Location Shift		-0.000030	-0.000118	-0.000016	0.000049	0.000080	-0.000028	0.000085	0.000055	0.000038	0.923
	Log Location Shift		-0.000030	-0.000217	-0.000092	-0.000014	0.000081	-0.000028	0.000085	0.000055	0.000037	0.923
	CFM		-0.000107	0.001612	0.046034	0.101336	0.000086	-0.000105	0.000136	0.000108	0.000090	0.719
		-0.000002										
Gini Coefficient	Unfeasible		-0.00007	-0.00140	-0.00008	0.00124	0.00098	0.000000	0.00107	0.00085	0.00073	0.900
	Naive		-0.00013	-0.00136	-0.00012	0.00109	0.00107	-0.00006	0.00098	0.00077	0.00065	0.895
	Weighted		-0.00008	-0.00174	-0.00003	0.00152	0.00127	-0.00002	0.00127	0.00102	0.00085	0.902
	Location Shift		-0.00073	-0.00307	-0.00044	0.00136	0.00198	-0.00066	0.00208	0.00145	0.00109	0.914
	Log Location Shift		-0.00073	-0.00519	-0.00236	-0.00031	0.00198	-0.00066	0.00209	0.00146	0.00110	0.915
	CFM		-0.00261	0.00447	0.06347	0.13670	0.00198	-0.00254	0.00322	0.00264	0.00230	0.687

Table D6: Results of Monte Carlo Exercise (Sample Size 1,000, Replications 1000, Normal Selection Model)

Treatment on the Treated Parameters	Estimators	Target	Average	Lower 10th percentile	Median	Upper 10th percentile	Standard Deviation	Bias	Root Mean Squared Error	Mean Absolute Error	Median Absolute Error	90% C.I. Coverage Rate
		0.097										
Mean Treatment Effects	Unfeasible		0.0969	0.0952	0.0969	0.0987	0.0014	0.0002	0.0014	0.0011	0.0009	0.894
	Naive		0.0968	0.0951	0.0968	0.0986	0.0013	0.0001	0.0014	0.0011	0.0009	0.894
	Weighted		0.0969	0.0949	0.0969	0.0988	0.0015	0.0002	0.0016	0.0012	0.0011	0.894
	Location Shift		0.0969	0.0949	0.0969	0.0989	0.0016	0.0002	0.0016	0.0012	0.0011	0.895
	Log Location Shift		0.0968	0.0914	0.0939	0.0963	0.0016	0.0002	0.0016	0.0012	0.0011	0.895
	CFM		0.0939	0.9064	0.9660	1.0333	0.0019	-0.0028	0.0034	0.0029	0.0028	0.563
		-0.0001										
CV	Unfeasible		-0.0002	-0.0013	-0.0002	0.0011	0.0009	-0.0001	0.0009	0.0008	0.0006	0.906
	Naive		-0.0001	-0.0013	-0.0001	0.0011	0.0009	0.0000	0.0009	0.0007	0.0006	0.903
	Weighted		-0.0001	-0.0013	-0.0001	0.0012	0.0010	0.0000	0.0010	0.0008	0.0007	0.902
	Location Shift		-0.0005	-0.0018	-0.0005	0.0008	0.0010	-0.0004	0.0010	0.0008	0.0007	0.863
	Log Location Shift		-0.0005	-0.0007	0.0010	0.0023	0.0010	-0.0004	0.0010	0.0008	0.0007	0.867
	CFM		0.0009	0.0861	0.1412	0.2003	0.0012	0.0010	0.0015	0.0013	0.0012	0.795
		0.002										
Interquartile Range	Unfeasible		0.0016	-0.0012	0.0016	0.0043	0.0022	-0.0001	0.0022	0.0018	0.0016	0.916
	Naive		0.0016	-0.0010	0.0016	0.0044	0.0021	0.0000	0.0021	0.0017	0.0015	0.912
	Weighted		0.0017	-0.0013	0.0016	0.0047	0.0023	0.0000	0.0023	0.0018	0.0015	0.896
	Location Shift		0.0022	-0.0006	0.0022	0.0048	0.0021	0.0005	0.0022	0.0017	0.0014	0.894
	Log Location Shift		0.0022	-0.0042	0.0027	0.0080	0.0021	0.0005	0.0022	0.0017	0.0014	0.892
	CFM		0.0022	0.3987	0.4860	0.5796	0.0048	0.0005	0.0048	0.0038	0.0031	0.905
		-0.0001										
Theil Index	Unfeasible		-0.000003	-0.000027	-0.000003	0.000022	0.000018	-0.000001	0.000019	0.000015	0.000013	0.910
	Naive		-0.000002	-0.000026	-0.000002	0.000021	0.000019	0.000000	0.000018	0.000015	0.000013	0.896
	Weighted		-0.000002	-0.000027	-0.000002	0.000024	0.000020	0.000000	0.000020	0.000016	0.000014	0.908
	Location Shift		-0.000010	-0.000036	-0.000009	0.000015	0.000020	-0.000008	0.000021	0.000017	0.000014	0.863
	Log Location Shift		-0.000010	-0.000014	0.000019	0.000045	0.000020	-0.000008	0.000021	0.000017	0.000014	0.865
	CFM		0.000017	0.023054	0.039478	0.056488	0.000024	0.000019	0.000030	0.000025	0.000023	0.805
		-0.000002										
Gini Coefficient	Unfeasible		-0.00011	-0.00077	-0.00009	0.00057	0.00052	-0.00004	0.00054	0.00043	0.00036	0.908
	Naive		-0.00009	-0.00078	-0.00008	0.00058	0.00054	-0.00002	0.00052	0.00042	0.00037	0.902
	Weighted		-0.00007	-0.00080	-0.00007	0.00068	0.00057	0.00000	0.00057	0.00045	0.00040	0.904
	Location Shift		-0.00025	-0.00098	-0.00024	0.00046	0.00055	-0.00019	0.00058	0.00047	0.00040	0.868
	Log Location Shift		-0.00025	-0.00039	0.00057	0.00137	0.00055	-0.00018	0.00058	0.00046	0.00039	0.870
	CFM		0.00052	0.03364	0.05463	0.07545	0.00070	0.00059	0.00091	0.00076	0.00072	0.786

Table D7: Results of Monte Carlo Exercise (Sample Size 250, Replications 1000, Logistic Selection Model)

Treatment on the Treated Parameters	Estimators	Target	Average	Lower 10th percentile	Median	Upper 10th percentile	Standard Deviation	Bias	Root Mean Squared Error	Mean Absolute Error	Median Absolute Error	90% C.I. Coverage Rate
		0.097										
Mean Treatment Effects	Unfeasible		0.097	0.093	0.097	0.100	0.003	0.0000	0.003	0.002	0.002	0.905
	Naive		0.097	0.093	0.097	0.100	0.003	-0.0001	0.003	0.002	0.002	0.899
	Weighted		0.097	0.093	0.097	0.101	0.003	-0.0001	0.003	0.003	0.002	0.902
	Location Shift		0.097	0.087	0.097	0.106	0.007	-0.0001	0.007	0.006	0.005	0.895
	Log Location Shift		0.097	0.077	0.083	0.093	0.007	-0.0001	0.007	0.006	0.005	0.895
	CFM		0.084	0.808	0.970	1.140	0.008	-0.0123	0.015	0.014	0.014	0.457
		-0.0001										
CV	Unfeasible		0.000	-0.002	0.000	0.002	0.002	-0.0001	0.002	0.001	0.001	0.895
	Naive		0.000	-0.002	0.000	0.002	0.002	-0.0001	0.002	0.001	0.001	0.912
	Weighted		0.000	-0.003	0.000	0.003	0.002	0.0000	0.002	0.002	0.002	0.900
	Location Shift		-0.001	-0.005	-0.001	0.003	0.003	-0.0010	0.003	0.002	0.002	0.906
	Log Location Shift		-0.001	-0.010	-0.004	0.000	0.003	-0.0009	0.003	0.002	0.002	0.906
	CFM		-0.005	0.030	0.166	0.351	0.004	-0.0047	0.006	0.005	0.004	0.701
		0.002										
Interquartile Range	Unfeasible		0.001	-0.004	0.001	0.007	0.004	0.000	0.004	0.003	0.003	0.901
	Naive		0.002	-0.004	0.002	0.007	0.004	0.000	0.004	0.004	0.003	0.900
	Weighted		0.001	-0.005	0.001	0.008	0.005	0.000	0.005	0.004	0.004	0.897
	Location Shift		0.001	-0.007	0.002	0.008	0.007	-0.001	0.007	0.005	0.004	0.906
	Log Location Shift		0.001	-0.030	-0.016	-0.004	0.007	-0.001	0.007	0.005	0.004	0.907
	CFM		-0.017	0.295	0.484	0.753	0.010	-0.018	0.021	0.018	0.017	0.480
		-0.000059										
Theil Index	Unfeasible		-0.000003	-0.000050	-0.000003	0.000042	0.000037	-0.000002	0.000037	0.000029	0.000025	0.89600
	Naive		-0.000003	-0.000048	-0.000003	0.000045	0.000037	-0.000001	0.000037	0.000029	0.000025	0.91000
	Weighted		-0.000001	-0.000059	-0.000001	0.000055	0.000045	0.000000	0.000045	0.000036	0.000030	0.90600
	Location Shift		-0.000024	-0.000109	-0.000014	0.000051	0.000069	-0.000023	0.000073	0.000052	0.000038	0.90800
	Log Location Shift		-0.000024	-0.000233	-0.000099	-0.000004	0.000069	-0.000022	0.000072	0.000052	0.000039	0.91100
	CFM		-0.000110	0.003148	0.046364	0.097584	0.000095	-0.000109	0.000144	0.000114	0.000098	0.75300
		-0.000002										
	Unfeasible		-0.0001	-0.0015	-0.0001	0.0012	0.0010	-0.0001	0.0011	0.0008	0.0007	0.9000
	Naive		-0.0001	-0.0015	-0.0002	0.0012	0.0011	-0.0001	0.0010	0.0008	0.0007	0.9090
	Weighted		-0.0001	-0.0018	-0.0001	0.0015	0.0013	-0.0001	0.0013	0.0011	0.0009	0.8920
	Location Shift		-0.0006	-0.0029	-0.0004	0.0015	0.0018	-0.0005	0.0019	0.0014	0.0011	0.9030
	Log Location Shift		-0.0006	-0.0055	-0.0025	-0.0001	0.0018	-0.0005	0.0019	0.0014	0.0011	0.9010
	CFM		-0.0027	0.0065	0.0614	0.1350	0.0021	-0.0026	0.0034	0.0028	0.0025	0.7010

Table D8: Results of Monte Carlo Exercise (Sample Size 1,000, Replications 1000, Logistic Selection Model)

Treatment on the Treated Parameters	Estimators	Target	Average	Lower 10th percentile	Median	Upper 10th percentile	Standard Deviation	Bias	Root Mean Squared Error	Mean Absolute Error	Median Absolute Error	90% C.I. Coverage Rate
		0.097										
Mean Treatment Effects	Unfeasible		0.0969	0.0951	0.0969	0.0987	0.0014	0.0001	0.0014	0.0011	0.0009	0.896
	Naive		0.0968	0.0951	0.0968	0.0985	0.0013	0.0000	0.0013	0.0011	0.0009	0.896
	Weighted		0.0969	0.0949	0.0969	0.0988	0.0015	0.0001	0.0016	0.0012	0.0011	0.906
	Location Shift		0.0969	0.0949	0.0969	0.0988	0.0016	0.0001	0.0016	0.0013	0.0011	0.905
	Log Location Shift		0.0969	0.0914	0.0940	0.0964	0.0016	#REF!	0.0016	0.0013	0.0011	0.905
	CFM		0.0939	0.8966	0.9640	1.0285	0.0019	-0.0028	0.0034	0.0029	0.0028	0.589
		-0.0001										
CV	Unfeasible		-0.0001	-0.0013	-0.0002	0.0011	0.0009	-0.0001	0.0009	0.0007	0.0006	0.892
	Naive		-0.0001	-0.0013	-0.0001	0.0010	0.0009	-0.0001	0.0009	0.0007	0.0006	0.901
	Weighted		-0.0001	-0.0013	-0.0001	0.0012	0.0010	0.0000	0.0010	0.0008	0.0007	0.896
	Location Shift		-0.0005	-0.0018	-0.0005	0.0008	0.0010	-0.0004	0.0011	0.0009	0.0007	0.873
	Log Location Shift		-0.0005	-0.0007	0.0009	0.0024	0.0010	-0.0004	0.0011	0.0009	0.0007	0.875
	CFM		0.0009	0.0814	0.1332	0.1925	0.0013	0.0009	0.0016	0.0013	0.0012	0.817
		0.0016										
Interquartile Range	Unfeasible		0.0015	-0.0012	0.0015	0.0044	0.0022	-0.0001	0.0022	0.0018	0.0015	0.904
	Naive		0.0016	-0.0012	0.0017	0.0044	0.0022	0.0000	0.0022	0.0018	0.0015	0.895
	Weighted		0.0016	-0.0018	0.0017	0.0049	0.0025	0.0000	0.0025	0.0021	0.0018	0.902
	Location Shift		0.0022	-0.0005	0.0021	0.0048	0.0021	0.0005	0.0022	0.0017	0.0016	0.899
	Log Location Shift		0.0022	-0.0042	0.0029	0.0088	0.0021	0.0005	0.0022	0.0017	0.0015	0.895
	CFM		0.0024	0.3822	0.4765	0.5717	0.0051	0.0007	0.0051	0.0041	0.0035	0.914
		-0.000059										
Theil Index	Unfeasible		-0.000003	-0.000026	-0.000003	0.000021	0.000018	-0.000001	0.000019	0.000015	0.000012	0.89200
	Naive		-0.000003	-0.000025	-0.000002	0.000021	0.000018	-0.000001	0.000019	0.000015	0.000012	0.90000
	Weighted		-0.000002	-0.000028	-0.000002	0.000024	0.000021	-0.000001	0.000021	0.000016	0.000014	0.90100
	Location Shift		-0.000010	-0.000036	-0.000010	0.000016	0.000021	-0.000009	0.000022	0.000018	0.000014	0.87600
	Log Location Shift		-0.000010	-0.000015	0.000018	0.000047	0.000021	-0.000009	0.000022	0.000017	0.000014	0.88000
	CFM		0.000017	0.021747	0.036777	0.055455	0.000025	0.000018	0.000031	0.000025	0.000022	0.81600
		-0.000002										
	Unfeasible		-0.00009	-0.00076	-0.00010	0.00055	0.00053	-0.00004	0.00052	0.00041	0.00035	0.89200
	Naive		-0.00010	-0.00074	-0.00010	0.00056	0.00052	-0.00005	0.00053	0.00042	0.00035	0.90500
	Weighted		-0.00008	-0.00081	-0.00006	0.00068	0.00060	-0.00003	0.00060	0.00047	0.00040	0.89200
	Location Shift		-0.00026	-0.00097	-0.00024	0.00045	0.00057	-0.00021	0.00060	0.00047	0.00039	0.87900
	Log Location Shift		-0.00025	-0.00042	0.00056	0.00142	0.00057	-0.00020	0.00060	0.00047	0.00039	0.88400
	CFM		0.00052	0.03223	0.05094	0.07173	0.00074	0.00057	0.00094	0.00078	0.00069	0.80800

Table D9: Results of Monte Carlo Exercise (Sample Size 4,000,000, Replications 1, Normal Selection Model)

Treatment on the Treated Parameters	Estimators	Target	Average	Lower 10th percentile	Median	Upper 10th percentile
Mean Treatment Effects		0.0968				
	Unfeasible		0.0968	0.0968	0.0968	0.0968
	Naive		0.0968	0.0968	0.0968	0.0968
	Weighted		0.0968	0.0968	0.0968	0.0968
	Location Shift		0.0968	0.0968	0.0968	0.0968
	Log Location Shift		0.0968	0.0968	0.0968	0.0968
	CFM		0.0964	0.0964	0.0964	0.0964
CV		-0.00009				
	Unfeasible		-0.00016	-0.00016	-0.00016	-0.00016
	Naive		-0.00012	-0.00012	-0.00012	-0.00012
	Weighted		-0.00013	-0.00013	-0.00013	-0.00013
	Location Shift		-0.00016	-0.00016	-0.00016	-0.00016
	Log Location Shift		-0.00014	-0.00014	-0.00014	-0.00014
	CFM		0.00099	0.00099	0.00099	0.00099
Interquartile Range		0.0016				
	Unfeasible		0.0016	0.0016	0.0016	0.0016
	Naive		0.0017	0.0017	0.0017	0.0017
	Weighted		0.0017	0.0017	0.0017	0.0017
	Location Shift		0.0026	0.0026	0.0026	0.0026
	Log Location Shift		0.0026	0.0026	0.0026	0.0026
	CFM		0.0017	0.0017	0.0017	0.0017
Theil Index		-0.000068				
	Unfeasible		-0.000003	-0.000003	-0.000003	-0.000003
	Naive		-0.000002	-0.000002	-0.000002	-0.000002
	Weighted		-0.000003	-0.000003	-0.000003	-0.000003
	Location Shift		-0.000003	-0.000003	-0.000003	-0.000003
	Log Location Shift		-0.000003	-0.000003	-0.000003	-0.000003
	CFM		0.000020	0.000020	0.000020	0.000020
Gini Coefficient		-0.000002				
	Unfeasible		-0.00011	-0.00011	-0.00011	-0.00011
	Naive		-0.00009	-0.00009	-0.00009	-0.00009
	Weighted		-0.00009	-0.00009	-0.00009	-0.00009
	Location Shift		-0.00008	-0.00008	-0.00008	-0.00008
	Log Location Shift		-0.00007	-0.00007	-0.00007	-0.00007
	CFM		0.00047	0.00047	0.00047	0.00047