Denis Ostroushko - HW1

Problem 1

Table 1: All Potentially Confounding Variables Stratified by Treatment Group

	C	T	SMD
n	406	184	
Preg.ended...37.wk = Yes (%)	53 (13.1)	18 (9.8)	0.103
Birth.outcome (%)			0.271
Elective abortion	1 (0.2)	1 (0.5)	
Live birth	391 (96.3)	183 (99.5)	
Non-live birth	14 (3.4)	0 (0.0)	
Clinic (%)			0.150
KY	103 (25.4)	45 (24.5)	
MN	123 (30.3)	58 (31.5)	
MS	96 (23.6)	52 (28.3)	
NY	84 (20.7)	29 (15.8)	
Age (mean (SD))	25.91 (5.52)	25.99 (5.60)	0.015
Black = Yes (%)	180 (44.3)	82 (44.6)	0.005
White = Yes (%)	118 (29.1)	27 (14.7)	0.354
Nat.Am = Yes (%)	117 (28.8)	80 (43.5)	0.309
Asian = Yes (%)	4 (1.0)	0 (0.0)	0.141
Hisp (%)			0.655
No	159 (39.2)	99 (53.8)	
Yes	178 (43.8)	85 (46.2)	
NA	69 (17.0)	0 (0.0)	
Education (%)			0.032
8-12 yrs	238 (58.6)	107 (58.2)	
LT 8 yrs	76 (18.7)	33 (17.9)	
MT 12 yrs	92 (22.7)	44 (23.9)	
Public.Asstce = Yes (%)	309 (76.1)	136 (73.9)	0.051
Hypertension = Y (%)	9 (2.2)	6 (3.3)	0.064
Diabetes = Yes (%)	8 (2.0)	9 (4.9)	0.161
BL.Diab.Type (%)			0.191
Type I	1 (0.2)	4 (2.2)	
Type II	7 (1.7)	5 (2.7)	
NA	398 (98.0)	175 (95.1)	
BMI (mean (SD))	27.49 (6.89)	28.04 (7.95)	0.074
Use.Tob (%)			0.106
No	353 (86.9)	165 (89.7)	
Yes	44 (10.8)	17 (9.2)	

NA	9 (2.2)	2 (1.1)	
BL.Cig.Day (mean (SD))	0.82 (3.09)	0.90 (3.43)	0.025
Use.Alc (%)			0.090
No	389 (95.8)	178 (96.7)	
Yes	8 (2.0)	4 (2.2)	
NA	9 (2.2)	2 (1.1)	
BL.Drks.Day (mean (SD))	0.04 (0.40)	0.03 (0.38)	0.013
Drug.Add = NA (%)	10 (2.5)	2 (1.1)	0.104
Prev.preg = Yes (%)	303 (74.6)	133 (72.3)	0.053
N.prev.preg (mean (SD))	1.87 (1.82)	1.67 (1.73)	0.114
Live.PTB = Yes (%)	43 (10.6)	9 (4.9)	0.215
Any.stillbirth = Yes (%)	6 (1.5)	2 (1.1)	0.035
Spont.ab = Yes (%)	94 (23.2)	52 (28.3)	0.117
Induced.ab = Yes (%)	67 (16.5)	8 (4.3)	0.406
Any.live.ptb.sb.sp.ab.in.ab = Yes (%)	169 (41.6)	62 (33.7)	0.164
N.living.kids (mean (SD))	1.87 (1.82)	1.67 (1.73)	0.114
N.qualifying.teeth (mean (SD))	14.33 (6.67)	14.41 (6.92)	0.011
BL.GE (mean (SD))	1.42 (0.39)	1.49 (0.42)	0.173
BL..BOP (mean (SD))	69.12 (17.04)	70.08 (16.99)	0.057
BL.PD.avg (mean (SD))	2.84 (0.53)	2.87 (0.59)	0.064
BL..PD.4 (mean (SD))	24.80 (15.94)	25.67 (15.48)	0.055
BL..PD.5 (mean (SD))	9.95 (13.41)	10.09 (13.98)	0.010
BL.CAL.avg (mean (SD))	1.37 (0.66)	1.50 (0.78)	0.176
BL..CAL.2 (mean (SD))	41.29 (25.27)	46.10 (27.47)	0.183
BL..CAL.3 (mean (SD))	14.03 (16.05)	16.91 (17.80)	0.170
BL.Calc.I (mean (SD))	1.13 (0.62)	1.17 (0.61)	0.066
BL.Pl.I (mean (SD))	1.23 (0.48)	1.28 (0.49)	0.111
GA.at.outcome (mean (SD))	269.18 (26.50)	272.29 (17.48)	0.139
Birthweight (mean (SD))	3180.82 (727.49)	3259.16 (574.17)	0.120
Preg.ended (mean (SD))	0.13 (0.34)	0.10 (0.30)	0.103

Problem 2

Problem 3