SARA: Results

Jamie Yap

August 07, 2019

1 Aim 1

1.1 Complete Case Analysis

Table 1 : Complete Case Analysis: Main Analysis

	exp	beta	se.beta	test.stat	p.val
beta	1.053	0.052	0.041	1.254	0.214
Intercept	0.289	-1.241	0.150	-8.278	0.000
appusage_yes	1.885	0.634	0.173	3.670	0.001
isCompleted_yesterday_yes	1.522	0.420	0.111	3.768	0.000
contact_yes	0.840	-0.174	0.038	-4.539	0.000

Table 2 : Complete Case Analysis: appusage_yes=1 vs. appusage_yes=0

	exp	beta	se.beta	test.stat	p.val
beta1	1.345	0.296	0.155	1.918	0.060
beta2	0.761	-0.273	0.156	-1.747	0.086
contrast: appusage_yes=0	1.345	0.296	0.155	1.918	0.060
contrast: appusage_yes=1	1.024	0.023	0.040	0.585	0.561
Intercept	0.254	-1.371	0.179	-7.643	0.000
appusage_yes	2.268	0.819	0.210	3.896	0.000
isCompleted_yesterday_yes	1.453	0.374	0.103	3.612	0.001
contact_yes	0.840	-0.174	0.038	-4.525	0.000

Table 3 : Complete Case Analysis: contact_yes=1 vs. contact_yes=0

	exp	beta	se.beta	test.stat	p.val
beta1	1.019	0.019	0.046	0.414	0.680
beta2	1.086	0.082	0.073	1.123	0.266
contrast: contact_yes=0	1.019	0.019	0.046	0.414	0.680
contrast: contact_yes=1	1.106	0.101	0.066	1.542	0.128
Intercept	0.296	-1.217	0.152	-8.029	0.000
appusage_yes	1.896	0.639	0.173	3.697	0.000
isCompleted_yesterday_yes	1.500	0.405	0.111	3.635	0.001
contact_yes	0.807	-0.215	0.057	-3.765	0.000

Table 4 : Complete Case Analysis: isCompleted_yesterday_yes=1 vs. isCompleted_yesterday_yes=0

	exp	beta	se.beta	test.stat	p.val
beta1	1.158	0.147	0.111	1.327	0.189
beta2	0.886	-0.121	0.105	-1.149	0.255
contrast: isCompleted_yesterday__yes=0	1.158	0.147	0.111	1.327	0.189
contrast: isCompleted_yesterday__yes=1	1.027	0.026	0.035	0.758	0.452
Intercept	0.283	-1.263	0.149	-8.490	0.000
appusage__yes	1.797	0.586	0.178	3.292	0.002
isCompleted_yesterday__yes	1.647	0.499	0.151	3.303	0.002
contact__yes	0.847	-0.166	0.038	-4.420	0.000

Table 5 : Complete Case Analysis: female=1 vs. female=0

	exp	beta	se.beta	test.stat	p.val
beta1	1.060	0.059	0.073	0.806	0.424
beta2	0.988	-0.012	0.092	-0.135	0.893
contrast: male	1.060	0.059	0.073	0.806	0.424
contrast: female	1.047	0.046	0.052	0.886	0.379
Intercept	0.289	-1.240	0.150	-8.289	0.000
appusage__yes	1.884	0.633	0.172	3.679	0.000
isCompleted_yesterday__yes	1.523	0.420	0.111	3.787	0.000
contact__yes	0.840	-0.175	0.039	-4.530	0.000

Table 6 : Complete Case Analysis: study_day

	exp	beta	se.beta	test.stat	p.val
beta1	1.029	0.028	0.067	0.426	0.672
beta2	1.002	0.002	0.004	0.426	0.672
Intercept	0.289	-1.240	0.149	-8.312	0.000
appusage__yes	1.881	0.632	0.172	3.671	0.001
isCompleted_yesterday__yes	1.524	0.421	0.112	3.772	0.000
contact__yes	0.840	-0.174	0.038	-4.528	0.000

Table 7 : Complete Case Analysis: study_day_squared

	exp	beta	se.beta	test.stat	p.val
beta1	1.051	0.050	0.078	0.645	0.522
beta2	0.996	-0.004	0.013	-0.277	0.783
beta3	1.000	0.000	0.000	0.419	0.676
Intercept	0.290	-1.238	0.149	-8.291	0.000
appusage__yes	1.888	0.635	0.175	3.638	0.001
isCompleted_yesterday__yes	1.518	0.418	0.112	3.724	0.000
contact__yes	0.837	-0.178	0.041	-4.348	0.000

Table 8 : Complete Case Analysis: weekend=1 vs. weekend=0

	exp	beta	se.beta	test.stat	p.val
beta1	1.008	0.008	0.045	0.188	0.851
beta2	1.171	0.158	0.076	2.074	0.042
contrast: weekday	1.008	0.008	0.045	0.188	0.851
contrast: weekend	1.181	0.166	0.073	2.269	0.027
Intercept	0.287	-1.247	0.150	-8.304	0.000
appusage__yes	1.882	0.632	0.172	3.685	0.000
isCompleted__yesterday__yes	1.532	0.427	0.111	3.848	0.000
contact__yes	0.845	-0.169	0.039	-4.365	0.000

Table 9 : Complete Case Analysis: Four Moderators in One Model

	exp	beta_contrast	se.beta_contrast	test.stat.beta_contrast	p.val
beta1	1.286	0.251	0.181	1.389	0.170
beta2	1.169	0.156	0.075	2.086	0.041
beta3	1.065	0.063	0.073	0.855	0.396
beta4	0.796	-0.228	0.155	-1.470	0.147
beta5	0.923	-0.080	0.101	-0.792	0.431
(1,1,1,0,0)	1.600	0.470	0.191	2.460	0.017
(1,1,0,0,0)	1.503	0.407	0.194	2.104	0.040
(1,0,1,0,0)	1.369	0.314	0.179	1.756	0.084
(1,1,1,0,1)	1.477	0.390	0.161	2.417	0.019
(1,1,0,0,1)	1.388	0.328	0.164	2.001	0.050
(1,0,1,0,1)	1.264	0.234	0.152	1.538	0.129
(1,1,1,1,0)	1.274	0.242	0.135	1.787	0.079
(1,1,0,1,0)	1.197	0.179	0.129	1.388	0.170
(1,0,1,1,0)	1.090	0.086	0.118	0.727	0.470
(1,1,1,1,1)	1.176	0.162	0.084	1.942	0.057
(1,1,0,1,1)	1.105	0.100	0.072	1.392	0.169
(1,0,1,1,1)	1.006	0.006	0.065	0.093	0.927
(1,0,0,0,0)	1.286	0.251	0.181	1.389	0.170
(1,0,0,0,1)	1.187	0.171	0.154	1.113	0.270
(1,0,0,1,0)	1.023	0.023	0.110	0.211	0.834
(1,0,0,1,1)	0.945	-0.057	0.047	-1.215	0.229

1.2 Analysis with Multiply Imputed Data

Table 1 : Analysis with Multiple Imputed Data: Main Analysis

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta	1.047	0.046	0.042	1.095	0.277
Intercept	0.317	-1.148	0.144	-7.978	0.000
appusage__yes	1.610	0.476	0.177	2.693	0.009
isCompleted__yesterday__yes	1.638	0.493	0.129	3.828	0.000
contact__yes	0.834	-0.182	0.039	-4.646	0.000

Table 2 : Analysis with Multiple Imputed Data: appusage__yes=1 vs. appusage__yes=0

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta1	1.211	0.189	0.155	1.220	0.227
beta2	0.848	-0.167	0.158	-1.053	0.296
contrast: appusage_yes=0	1.211	0.189	0.155	1.220	0.227
contrast: appusage_yes=1	1.023	0.022	0.040	0.554	0.581
Intercept	0.297	-1.216	0.177	-6.884	0.000
appusage_yes	1.808	0.591	0.232	2.547	0.013
isCompleted_yesterday_yes	1.575	0.454	0.130	3.489	0.001
contact_yes	0.835	-0.180	0.039	-4.628	0.000

Table 3 : Analysis with Multiple Imputed Data: contact_yes=1 vs. contact_yes=0

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta1	1.016	0.016	0.046	0.339	0.736
beta2	1.078	0.075	0.076	0.985	0.328
contrast: contact_yes=0	1.016	0.016	0.046	0.339	0.736
contrast: contact_yes=1	1.095	0.090	0.068	1.327	0.189
Intercept	0.325	-1.123	0.146	-7.706	0.000
appusage_yes	1.613	0.478	0.178	2.684	0.009
isCompleted_yesterday_yes	1.616	0.480	0.129	3.717	0.000
contact_yes	0.803	-0.219	0.058	-3.750	0.000

Table 4 : Analysis with Multiple Imputed Data: isCompleted_yesterday_yes=1 vs. isCompleted_yesterday_yes=0

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta1	1.133	0.125	0.116	1.078	0.285
beta2	0.905	-0.100	0.111	-0.903	0.370
contrast: isCompleted_yesterday_yes=0	1.133	0.125	0.116	1.078	0.285
contrast: isCompleted_yesterday_yes=1	1.025	0.024	0.035	0.691	0.492
Intercept	0.309	-1.175	0.147	-7.987	0.000
appusage_yes	1.557	0.443	0.176	2.509	0.015
isCompleted_yesterday_yes	1.753	0.561	0.162	3.461	0.001
contact_yes	0.840	-0.175	0.039	-4.505	0.000

Table 5 : Analysis with Multiple Imputed Data: female=1 vs. female=0

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta1	1.047	0.045	0.072	0.626	0.534
beta2	1.001	0.001	0.091	0.010	0.992
contrast: male	1.047	0.045	0.072	0.626	0.534
contrast: female	1.047	0.046	0.052	0.896	0.374
Intercept	0.317	-1.148	0.144	-7.971	0.000
appusage_yes	1.610	0.476	0.177	2.695	0.009
isCompleted_yesterday_yes	1.638	0.493	0.128	3.839	0.000
contact_yes	0.834	-0.182	0.039	-4.637	0.000

Table 6 : Analysis with Multiple Imputed Data: study_day

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta1	1.028	0.027	0.067	0.410	0.684
beta2	1.001	0.001	0.004	0.333	0.741
Intercept	0.317	-1.148	0.143	-8.006	0.000
appusage__yes	1.609	0.475	0.176	2.704	0.009
isCompleted__yesterday__yes	1.639	0.494	0.129	3.839	0.000
contact__yes	0.834	-0.181	0.039	-4.629	0.000

Table 7 : Analysis with Multiple Imputed Data: study_day_squared

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta1	1.055	0.053	0.079	0.665	0.508
beta2	0.995	-0.005	0.014	-0.365	0.716
beta3	1.000	0.000	0.001	0.476	0.636
Intercept	0.318	-1.145	0.144	-7.974	0.000
appusage__yes	1.612	0.477	0.177	2.690	0.009
isCompleted__yesterday__yes	1.633	0.490	0.129	3.802	0.000
contact__yes	0.830	-0.186	0.042	-4.465	0.000

Table 8 : Analysis with Multiple Imputed Data: weekend=1 vs. weekend=0

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta1	1.002	0.002	0.045	0.044	0.965
beta2	1.174	0.161	0.076	2.107	0.039
contrast: weekday	1.002	0.002	0.045	0.044	0.965
contrast: weekend	1.177	0.163	0.074	2.197	0.032
Intercept	0.315	-1.154	0.145	-7.979	0.000
appusage__yes	1.605	0.473	0.178	2.658	0.010
isCompleted__yesterday__yes	1.651	0.502	0.129	3.874	0.000
contact__yes	0.839	-0.176	0.039	-4.461	0.000

Table 9 : Analysis with Multiple Imputed Data: Four Moderators in One Model

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta1	1.157	0.142	0.185	0.769	0.445
beta2	1.175	0.161	0.075	2.147	0.036
beta3	1.066	0.064	0.074	0.857	0.395
beta4	0.877	-0.133	0.153	-0.872	0.387
beta5	0.936	-0.067	0.106	-0.629	0.532
(1,1,1,0,0)	1.449	0.368	0.199	1.847	0.070
(1,1,0,0,0)	1.359	0.304	0.197	1.540	0.129
(1,0,1,0,0)	1.233	0.206	0.187	1.104	0.274
(1,1,1,0,1)	1.354	0.301	0.162	1.854	0.069
(1,1,0,0,1)	1.271	0.237	0.159	1.491	0.141
(1,0,1,0,1)	1.152	0.140	0.150	0.933	0.355
(1,1,1,1,0)	1.265	0.235	0.136	1.727	0.089
(1,1,0,1,0)	1.187	0.171	0.129	1.323	0.191
(1,0,1,1,0)	1.076	0.073	0.121	0.607	0.546
(1,1,1,1,1)	1.183	0.168	0.086	1.954	0.055
(1,1,0,1,1)	1.110	0.104	0.073	1.434	0.157
(1,0,1,1,1)	1.007	0.007	0.065	0.103	0.918
(1,0,0,0,0)	1.157	0.142	0.185	0.769	0.445
(1,0,0,0,1)	1.081	0.076	0.147	0.517	0.607
(1,0,0,1,0)	1.010	0.009	0.114	0.083	0.934
(1,0,0,1,1)	0.945	-0.057	0.048	-1.187	0.240

2 Aim 2

2.1 Complete Case Analysis

Table 1 : Complete Case Analysis: Main Analysis

	exp	beta	se.beta	test.stat	p.val
beta	0.964	-0.037	0.035	-1.056	0.295
Intercept	0.598	-0.514	0.121	-4.229	0.000
appusage__yes	1.133	0.125	0.095	1.314	0.194
isCompleted__yesterday__yes	1.277	0.245	0.065	3.770	0.000
contact__yes	0.923	-0.080	0.042	-1.935	0.057

Table 2 : Complete Case Analysis: appusage_yes=1 vs. appusage_yes=0

	exp	beta	se.beta	test.stat	p.val
beta1	0.940	-0.062	0.144	-0.430	0.669
beta2	1.030	0.029	0.150	0.196	0.845
contrast: appusage__yes=0	0.940	-0.062	0.144	-0.430	0.669
contrast: appusage__yes=1	0.968	-0.032	0.039	-0.831	0.409
Intercept	0.604	-0.503	0.154	-3.262	0.002
appusage__yes	1.098	0.093	0.140	0.666	0.508
isCompleted__yesterday__yes	1.292	0.256	0.073	3.504	0.001
contact__yes	0.924	-0.080	0.046	-1.736	0.088

Table 3 : Complete Case Analysis: contact_yes=1 vs. contact_yes=0

	exp	beta	se.beta	test.stat	p.val
beta1	0.973	-0.028	0.049	-0.562	0.576
beta2	0.980	-0.020	0.081	-0.245	0.807
contrast: contact_yes=0	0.973	-0.028	0.049	-0.562	0.576
contrast: contact_yes=1	0.954	-0.048	0.062	-0.769	0.445
Intercept	0.595	-0.520	0.124	-4.195	0.000
appusage_yes	1.114	0.108	0.093	1.166	0.248
isCompleted_yesterday_yes	1.290	0.255	0.071	3.585	0.001
contact_yes	0.932	-0.070	0.053	-1.322	0.191

Table 4 : Complete Case Analysis: isCompleted_yesterday_yes=1 vs. isCompleted_yesterday_yes=0

	exp	beta	se.beta	test.stat	p.val
beta1	0.745	-0.294	0.130	-2.258	0.027
beta2	1.359	0.307	0.131	2.338	0.023
contrast: isCompleted_yesterday_yes=0	0.745	-0.294	0.130	-2.258	0.027
contrast: isCompleted_yesterday_yes=1	1.013	0.012	0.035	0.353	0.725
Intercept	0.652	-0.428	0.137	-3.121	0.003
appusage_yes	1.150	0.140	0.104	1.338	0.186
isCompleted_yesterday_yes	1.122	0.115	0.085	1.353	0.181
contact_yes	0.920	-0.083	0.046	-1.800	0.077

Table 5 : Complete Case Analysis: female=1 vs. female=0

	exp	beta	se.beta	test.stat	p.val
beta1	1.036	0.036	0.057	0.623	0.536
beta2	0.883	-0.124	0.079	-1.567	0.122
contrast: male	1.036	0.036	0.057	0.623	0.536
contrast: female	0.915	-0.088	0.052	-1.696	0.095
Intercept	0.593	-0.523	0.119	-4.390	0.000
appusage_yes	1.116	0.110	0.084	1.304	0.197
isCompleted_yesterday_yes	1.301	0.263	0.073	3.589	0.001
contact_yes	0.920	-0.083	0.045	-1.849	0.069

Table 6 : Complete Case Analysis: study_day

	exp	beta	se.beta	test.stat	p.val
beta1	0.969	-0.032	0.075	-0.427	0.671
beta2	1.000	0.000	0.005	-0.050	0.960
Intercept	0.598	-0.515	0.127	-4.061	0.000
appusage_yes	1.114	0.108	0.093	1.163	0.249
isCompleted_yesterday_yes	1.289	0.254	0.075	3.379	0.001
contact_yes	0.923	-0.080	0.047	-1.703	0.094

Table 7 : Complete Case Analysis: study_day_squared

	exp	beta	se.beta	test.stat	p.val
beta1	0.851	-0.161	0.091	-1.770	0.082
beta2	1.031	0.031	0.015	2.037	0.046
beta3	0.999	-0.001	0.001	-1.985	0.052
Intercept	0.586	-0.534	0.126	-4.256	0.000
appusage__yes	1.119	0.113	0.092	1.229	0.224
isCompleted_yesterday__yes	1.296	0.259	0.075	3.446	0.001
contact__yes	0.949	-0.053	0.048	-1.094	0.278

Table 8 : Complete Case Analysis: weekend=1 vs. weekend=0

	exp	beta	se.beta	test.stat	p.val
beta1	0.968	-0.032	0.049	-0.658	0.513
beta2	0.990	-0.010	0.087	-0.117	0.907
contrast: weekday	0.968	-0.032	0.049	-0.658	0.513
contrast: weekend	0.958	-0.043	0.064	-0.666	0.508
Intercept	0.598	-0.515	0.126	-4.078	0.000
appusage__yes	1.114	0.108	0.092	1.175	0.245
isCompleted_yesterday__yes	1.288	0.253	0.073	3.448	0.001
contact__yes	0.923	-0.080	0.045	-1.762	0.083

Table 9 : Complete Case Analysis: Four Moderators in One Model

	exp	beta_contrast	se.beta_contrast	test.stat.beta_contrast	p.val
beta1	0.700	-0.357	0.234	-1.524	0.135
beta2	1.014	0.014	0.097	0.144	0.886
beta3	1.007	0.007	0.083	0.080	0.936
beta4	1.058	0.057	0.158	0.357	0.723
beta5	1.368	0.313	0.142	2.199	0.034
(1,1,1,0,0)	0.714	-0.337	0.224	-1.505	0.140
(1,1,0,0,0)	0.709	-0.343	0.219	-1.566	0.125
(1,0,1,0,0)	0.704	-0.351	0.235	-1.490	0.144
(1,1,1,0,1)	0.977	-0.024	0.182	-0.130	0.897
(1,1,0,0,1)	0.970	-0.030	0.167	-0.182	0.857
(1,0,1,0,1)	0.963	-0.038	0.158	-0.239	0.813
(1,1,1,1,0)	0.756	-0.280	0.120	-2.337	0.024
(1,1,0,1,0)	0.751	-0.287	0.123	-2.324	0.025
(1,0,1,1,0)	0.745	-0.294	0.154	-1.912	0.063
(1,1,1,1,1)	1.033	0.033	0.095	0.345	0.731
(1,1,0,1,1)	1.027	0.026	0.081	0.322	0.749
(1,0,1,1,1)	1.019	0.019	0.068	0.279	0.782
(1,0,0,0,0)	0.700	-0.357	0.234	-1.524	0.135
(1,0,0,0,1)	0.957	-0.044	0.145	-0.305	0.762
(1,0,0,1,0)	0.740	-0.301	0.161	-1.864	0.069
(1,0,0,1,1)	1.012	0.012	0.061	0.203	0.840

2.2 Analysis with Multiply Imputed Data

Table 1 : Analysis with Multiple Imputed Data: Main Analysis

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta	0.966	-0.035	0.034	-1.017	0.313
Intercept	0.614	-0.488	0.110	-4.414	0.000
appusage_yes	1.105	0.100	0.081	1.234	0.222
isCompleted_yesterday_yes	1.273	0.242	0.065	3.715	0.000
contact_yes	0.930	-0.073	0.040	-1.833	0.071

Table 2 : Analysis with Multiple Imputed Data: appusage_yes=1 vs. appusage_yes=0

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta1	0.944	-0.058	0.132	-0.441	0.661
beta2	1.028	0.027	0.138	0.199	0.843
contrast: appusage_yes=0	0.944	-0.058	0.132	-0.441	0.661
contrast: appusage_yes=1	0.970	-0.031	0.039	-0.789	0.433
Intercept	0.619	-0.479	0.136	-3.530	0.001
appusage_yes	1.073	0.070	0.118	0.595	0.554
isCompleted_yesterday_yes	1.287	0.252	0.073	3.439	0.001
contact_yes	0.932	-0.071	0.043	-1.629	0.108

Table 3 : Analysis with Multiple Imputed Data: contact_yes=1 vs. contact_yes=0

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta1	0.973	-0.027	0.049	-0.557	0.580
beta2	0.985	-0.016	0.079	-0.196	0.845
contrast: contact_yes=0	0.973	-0.027	0.049	-0.557	0.580
contrast: contact_yes=1	0.958	-0.043	0.060	-0.711	0.480
Intercept	0.611	-0.493	0.114	-4.336	0.000
appusage_yes	1.088	0.084	0.079	1.059	0.294
isCompleted_yesterday_yes	1.285	0.251	0.071	3.518	0.001
contact_yes	0.939	-0.063	0.051	-1.237	0.221

Table 4 : Analysis with Multiple Imputed Data: isCompleted_yesterday_yes=1 vs. isCompleted_yesterday_yes=0

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta1	0.755	-0.281	0.126	-2.229	0.029
beta2	1.341	0.293	0.127	2.301	0.025
contrast: isCompleted_yesterday_yes=0	0.755	-0.281	0.126	-2.229	0.029
contrast: isCompleted_yesterday_yes=1	1.012	0.012	0.035	0.351	0.727
Intercept	0.667	-0.405	0.124	-3.265	0.002
appusage_yes	1.120	0.113	0.090	1.251	0.216
isCompleted_yesterday_yes	1.124	0.117	0.085	1.385	0.171
contact_yes	0.929	-0.074	0.044	-1.667	0.101

Table 5 : Analysis with Multiple Imputed Data: female=1 vs. female=0

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta1	1.034	0.034	0.056	0.600	0.551
beta2	0.890	-0.116	0.078	-1.489	0.142
contrast: male	1.034	0.034	0.056	0.600	0.551
contrast: female	0.921	-0.083	0.052	-1.590	0.117
Intercept	0.610	-0.495	0.110	-4.490	0.000
appusage__yes	1.088	0.084	0.073	1.157	0.252
isCompleted_yesterday__yes	1.294	0.258	0.073	3.515	0.001
contact__yes	0.929	-0.074	0.043	-1.727	0.089

Table 6 : Analysis with Multiple Imputed Data: study_day

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta1	0.975	-0.026	0.072	-0.358	0.722
beta2	0.999	-0.001	0.005	-0.119	0.906
Intercept	0.613	-0.489	0.117	-4.187	0.000
appusage__yes	1.088	0.084	0.080	1.056	0.295
isCompleted_yesterday__yes	1.283	0.249	0.075	3.317	0.002
contact__yes	0.931	-0.071	0.045	-1.596	0.116

Table 7 : Analysis with Multiple Imputed Data: study_day_squared

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta1	0.876	-0.133	0.090	-1.476	0.145
beta2	1.027	0.026	0.015	1.747	0.086
beta3	0.999	-0.001	0.001	-1.763	0.083
Intercept	0.604	-0.504	0.115	-4.364	0.000
appusage__yes	1.089	0.085	0.079	1.083	0.283
isCompleted_yesterday__yes	1.289	0.254	0.075	3.365	0.001
contact__yes	0.954	-0.047	0.046	-1.014	0.314

Table 8 : Analysis with Multiple Imputed Data: weekend=1 vs. weekend=0

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta1	0.970	-0.030	0.048	-0.624	0.535
beta2	0.988	-0.012	0.086	-0.136	0.892
contrast: weekday	0.970	-0.030	0.048	-0.624	0.535
contrast: weekend	0.959	-0.042	0.065	-0.644	0.522
Intercept	0.613	-0.489	0.116	-4.215	0.000
appusage__yes	1.088	0.084	0.079	1.068	0.289
isCompleted_yesterday__yes	1.283	0.249	0.073	3.397	0.001
contact__yes	0.931	-0.071	0.043	-1.653	0.103

Table 9 : Analysis with Multiple Imputed Data: Four Moderators in One Model

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta1	0.711	-0.341	0.225	-1.519	0.134
beta2	1.013	0.013	0.096	0.136	0.892
beta3	1.011	0.011	0.081	0.133	0.895
beta4	1.054	0.052	0.147	0.356	0.723
beta5	1.350	0.300	0.139	2.162	0.035
(1,1,1,0,0)	0.728	-0.318	0.207	-1.536	0.130
(1,1,0,0,0)	0.720	-0.328	0.207	-1.584	0.119
(1,0,1,0,0)	0.719	-0.331	0.221	-1.499	0.139
(1,1,1,0,1)	0.983	-0.018	0.168	-0.106	0.916
(1,1,0,0,1)	0.972	-0.028	0.156	-0.182	0.856
(1,0,1,0,1)	0.970	-0.031	0.145	-0.212	0.833
(1,1,1,1,0)	0.767	-0.265	0.116	-2.297	0.025
(1,1,0,1,0)	0.759	-0.276	0.122	-2.266	0.027
(1,0,1,1,0)	0.757	-0.278	0.148	-1.887	0.064
(1,1,1,1,1)	1.035	0.034	0.096	0.359	0.721
(1,1,0,1,1)	1.024	0.024	0.081	0.291	0.772
(1,0,1,1,1)	1.022	0.021	0.067	0.320	0.750
(1,0,0,0,0)	0.711	-0.341	0.225	-1.519	0.134
(1,0,0,0,1)	0.960	-0.041	0.137	-0.303	0.763
(1,0,0,1,0)	0.749	-0.289	0.158	-1.833	0.072
(1,0,0,1,1)	1.011	0.011	0.059	0.180	0.858

3 Aim 4

3.1 Complete Case Analysis

Table 1 : Complete Case Analysis: Main Analysis

	exp	beta	se.beta	test.stat	p.val
beta	0.987	-0.013	0.040	-0.331	0.742
Intercept	0.666	-0.406	0.121	-3.355	0.001
appusage__yes	1.023	0.023	0.078	0.298	0.767
isCompleted__yesterday__yes	1.244	0.218	0.076	2.879	0.005
contact__yes	0.915	-0.088	0.047	-1.895	0.063

Table 2 : Complete Case Analysis: appusage_yes=1 vs. appusage_yes=0

	exp	beta	se.beta	test.stat	p.val
beta1	0.856	-0.155	0.145	-1.071	0.288
beta2	1.153	0.142	0.149	0.953	0.344
contrast: appusage__yes=0	0.856	-0.155	0.145	-1.071	0.288
contrast: appusage__yes=1	0.987	-0.013	0.044	-0.292	0.771
Intercept	0.719	-0.330	0.159	-2.081	0.042
appusage__yes	0.931	-0.072	0.117	-0.615	0.541
isCompleted__yesterday__yes	1.254	0.227	0.088	2.588	0.012
contact__yes	0.914	-0.090	0.053	-1.716	0.091

Table 3 : Complete Case Analysis: contact_yes=1 vs. contact_yes=0

	exp	beta	se.beta	test.stat	p.val
beta1	0.911	-0.093	0.048	-1.921	0.059
beta2	1.209	0.190	0.092	2.071	0.042
contrast: contact_yes=0	0.911	-0.093	0.048	-1.921	0.059
contrast: contact_yes=1	1.102	0.097	0.079	1.226	0.225
Intercept	0.701	-0.356	0.123	-2.896	0.005
appusage_yes	0.997	-0.003	0.070	-0.048	0.962
isCompleted_yesterday_yes	1.245	0.219	0.086	2.543	0.013
contact_yes	0.831	-0.185	0.071	-2.608	0.011

Table 4 : Complete Case Analysis: isCompleted_yesterday_yes=1 vs. isCompleted_yesterday_yes=0

	exp	beta	se.beta	test.stat	p.val
beta1	1.368	0.313	0.125	2.509	0.015
beta2	0.667	-0.405	0.135	-3.008	0.004
contrast: isCompleted_yesterday_yes=0	1.368	0.313	0.125	2.509	0.015
contrast: isCompleted_yesterday_yes=1	0.912	-0.092	0.047	-1.976	0.053
Intercept	0.561	-0.579	0.151	-3.823	0.000
appusage_yes	0.987	-0.014	0.063	-0.217	0.829
isCompleted_yesterday_yes	1.568	0.450	0.132	3.402	0.001
contact_yes	0.921	-0.082	0.052	-1.584	0.118

Table 5 : Complete Case Analysis: female=1 vs. female=0

	exp	beta	se.beta	test.stat	p.val
beta1	0.958	-0.043	0.061	-0.698	0.488
beta2	1.028	0.028	0.089	0.309	0.759
contrast: male	0.958	-0.043	0.061	-0.698	0.488
contrast: female	0.985	-0.015	0.063	-0.241	0.811
Intercept	0.675	-0.393	0.129	-3.055	0.003
appusage_yes	1.000	0.000	0.075	0.000	1.000
isCompleted_yesterday_yes	1.250	0.223	0.086	2.591	0.012
contact_yes	0.917	-0.087	0.053	-1.637	0.107

Table 6 : Complete Case Analysis: study_day

	exp	beta	se.beta	test.stat	p.val
beta1	0.974	-0.027	0.075	-0.355	0.724
beta2	1.000	0.000	0.005	-0.006	0.995
Intercept	0.675	-0.393	0.128	-3.086	0.003
appusage_yes	1.001	0.001	0.074	0.015	0.988
isCompleted_yesterday_yes	1.250	0.223	0.086	2.601	0.012
contact_yes	0.914	-0.089	0.052	-1.707	0.093

Table 7 : Complete Case Analysis: study_day_squared

	exp	beta	se.beta	test.stat	p.val
beta1	1.135	0.126	0.136	0.932	0.355
beta2	0.970	-0.031	0.021	-1.470	0.147
beta3	1.001	0.001	0.001	1.530	0.131
Intercept	0.686	-0.376	0.122	-3.083	0.003
appusage__yes	0.993	-0.008	0.070	-0.107	0.915
isCompleted_yesterday__yes	1.248	0.222	0.086	2.575	0.012
contact__yes	0.892	-0.115	0.056	-2.053	0.044

Table 8 : Complete Case Analysis: weekend=1 vs. weekend=0

	exp	beta	se.beta	test.stat	p.val
beta1	1.005	0.005	0.054	0.084	0.933
beta2	0.894	-0.112	0.099	-1.141	0.258
contrast: weekday	1.005	0.005	0.054	0.084	0.933
contrast: weekend	0.898	-0.108	0.077	-1.394	0.168
Intercept	0.679	-0.387	0.129	-2.997	0.004
appusage__yes	1.005	0.005	0.077	0.061	0.952
isCompleted_yesterday__yes	1.237	0.212	0.087	2.440	0.018
contact__yes	0.912	-0.093	0.053	-1.753	0.084

Table 9 : Complete Case Analysis: Four Moderators in One Model

	exp	beta_contrast	se.beta_contrast	test.stat.beta_contrast	p.val
beta1	1.176	0.162	0.167	0.968	0.339
beta2	0.867	-0.143	0.092	-1.558	0.127
beta3	1.162	0.150	0.092	1.632	0.110
beta4	1.167	0.154	0.154	1.005	0.321
beta5	0.667	-0.405	0.130	-3.109	0.003
(1,1,1,0,0)	1.184	0.169	0.195	0.865	0.392
(1,1,0,0,0)	1.019	0.019	0.182	0.103	0.918
(1,0,1,0,0)	1.366	0.312	0.185	1.686	0.099
(1,1,1,0,1)	0.790	-0.236	0.179	-1.316	0.195
(1,1,0,0,1)	0.680	-0.386	0.159	-2.427	0.020
(1,0,1,0,1)	0.911	-0.093	0.181	-0.515	0.609
(1,1,1,1,0)	1.382	0.323	0.157	2.057	0.046
(1,1,0,1,0)	1.189	0.173	0.156	1.109	0.274
(1,0,1,1,0)	1.594	0.466	0.134	3.474	0.001
(1,1,1,1,1)	0.922	-0.082	0.097	-0.844	0.403
(1,1,0,1,1)	0.793	-0.232	0.085	-2.718	0.010
(1,0,1,1,1)	1.063	0.061	0.084	0.729	0.470
(1,0,0,0,0)	1.176	0.162	0.167	0.968	0.339
(1,0,0,0,1)	0.784	-0.243	0.157	-1.551	0.129
(1,0,0,1,0)	1.372	0.316	0.128	2.465	0.018
(1,0,0,1,1)	0.915	-0.089	0.061	-1.446	0.156

3.2 Analysis with Multiply Imputed Data

Table 1 : Analysis with Multiple Imputed Data: Main Analysis

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta	0.995	-0.005	0.039	-0.138	0.890
Intercept	0.688	-0.374	0.090	-4.176	0.000
appusage__yes	0.980	-0.020	0.047	-0.433	0.667
isCompleted__yesterday__yes	1.259	0.230	0.072	3.212	0.002
contact__yes	0.912	-0.093	0.046	-2.016	0.048

Table 2 : Analysis with Multiple Imputed Data: appusage__yes=1 vs. appusage__yes=0

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta1	0.972	-0.029	0.091	-0.324	0.747
beta2	1.018	0.017	0.099	0.171	0.865
contrast: appusage__yes=0	0.972	-0.029	0.091	-0.324	0.747
contrast: appusage__yes=1	0.988	-0.012	0.044	-0.285	0.776
Intercept	0.711	-0.342	0.107	-3.189	0.002
appusage__yes	0.950	-0.052	0.071	-0.733	0.466
isCompleted__yesterday__yes	1.247	0.220	0.080	2.755	0.008
contact__yes	0.908	-0.097	0.052	-1.858	0.068

Table 3 : Analysis with Multiple Imputed Data: contact__yes=1 vs. contact__yes=0

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta1	0.938	-0.064	0.044	-1.444	0.154
beta2	1.173	0.159	0.089	1.795	0.077
contrast: contact__yes=0	0.938	-0.064	0.044	-1.444	0.154
contrast: contact__yes=1	1.100	0.095	0.079	1.209	0.231
Intercept	0.727	-0.319	0.095	-3.364	0.001
appusage__yes	0.953	-0.048	0.047	-1.025	0.309
isCompleted__yesterday__yes	1.242	0.217	0.079	2.733	0.008
contact__yes	0.839	-0.176	0.070	-2.518	0.014

Table 4 : Analysis with Multiple Imputed Data: isCompleted__yesterday__yes=1 vs. isCompleted__yesterday__yes=0

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta1	1.336	0.289	0.125	2.310	0.024
beta2	0.698	-0.360	0.132	-2.717	0.009
contrast: isCompleted__yesterday__yes=0	1.336	0.289	0.125	2.310	0.024
contrast: isCompleted__yesterday__yes=1	0.931	-0.071	0.043	-1.663	0.101
Intercept	0.595	-0.520	0.133	-3.903	0.000
appusage__yes	0.950	-0.051	0.048	-1.064	0.292
isCompleted__yesterday__yes	1.524	0.421	0.126	3.354	0.001
contact__yes	0.916	-0.088	0.051	-1.731	0.088

Table 5 : Analysis with Multiple Imputed Data: female=1 vs. female=0

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta1	0.971	-0.029	0.060	-0.488	0.627
beta2	1.024	0.023	0.083	0.279	0.781
contrast: male	0.971	-0.029	0.060	-0.488	0.627
contrast: female	0.994	-0.006	0.056	-0.110	0.913
Intercept	0.706	-0.348	0.097	-3.572	0.001
appusage__yes	0.956	-0.044	0.048	-0.926	0.358
isCompleted_yesterday__yes	1.246	0.220	0.080	2.762	0.008
contact__yes	0.910	-0.095	0.053	-1.798	0.077

Table 6 : Analysis with Multiple Imputed Data: study_day

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta1	1.005	0.004	0.066	0.063	0.950
beta2	0.998	-0.002	0.005	-0.363	0.718
Intercept	0.705	-0.350	0.098	-3.555	0.001
appusage__yes	0.961	-0.039	0.051	-0.766	0.447
isCompleted_yesterday__yes	1.243	0.217	0.079	2.740	0.008
contact__yes	0.910	-0.095	0.052	-1.821	0.073

Table 7 : Analysis with Multiple Imputed Data: study_day_squared

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta1	1.116	0.109	0.098	1.115	0.269
beta2	0.972	-0.028	0.016	-1.768	0.082
beta3	1.001	0.001	0.001	1.762	0.083
Intercept	0.699	-0.358	0.097	-3.688	0.000
appusage__yes	0.982	-0.018	0.052	-0.338	0.737
isCompleted_yesterday__yes	1.238	0.213	0.079	2.703	0.009
contact__yes	0.893	-0.113	0.054	-2.112	0.039

Table 8 : Analysis with Multiple Imputed Data: weekend=1 vs. weekend=0

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta1	1.009	0.009	0.049	0.183	0.855
beta2	0.913	-0.092	0.091	-1.007	0.318
contrast: weekday	1.009	0.009	0.049	0.183	0.855
contrast: weekend	0.921	-0.083	0.074	-1.114	0.270
Intercept	0.710	-0.343	0.097	-3.528	0.001
appusage__yes	0.959	-0.041	0.048	-0.857	0.395
isCompleted_yesterday__yes	1.237	0.213	0.081	2.642	0.010
contact__yes	0.906	-0.099	0.052	-1.897	0.063

Table 9 : Analysis with Multiple Imputed Data: Four Moderators in One Model

	pooled.exp.beta	pooled.beta	pooled.se.beta	test.stat	p.val
beta1	1.346	0.295	0.149	1.980	0.052
beta2	0.896	-0.110	0.087	-1.258	0.213
beta3	1.138	0.129	0.092	1.394	0.168
beta4	0.977	-0.024	0.108	-0.224	0.823
beta5	0.702	-0.355	0.129	-2.740	0.008
(1,1,1,0,0)	1.371	0.314	0.187	1.680	0.098
(1,1,0,0,0)	1.205	0.185	0.165	1.121	0.267
(1,0,1,0,0)	1.530	0.423	0.175	2.422	0.019
(1,1,1,0,1)	0.961	-0.041	0.150	-0.272	0.786
(1,1,0,0,1)	0.845	-0.170	0.113	-1.503	0.138
(1,0,1,0,1)	1.072	0.069	0.142	0.484	0.630
(1,1,1,1,0)	1.337	0.290	0.151	1.913	0.061
(1,1,0,1,0)	1.175	0.161	0.149	1.076	0.286
(1,0,1,1,0)	1.492	0.399	0.135	2.969	0.004
(1,1,1,1,1)	0.937	-0.065	0.098	-0.665	0.509
(1,1,0,1,1)	0.824	-0.194	0.083	-2.322	0.024
(1,0,1,1,1)	1.046	0.045	0.083	0.540	0.591
(1,0,0,0,0)	1.346	0.295	0.149	1.980	0.052
(1,0,0,0,1)	0.943	-0.060	0.099	-0.605	0.548
(1,0,0,1,0)	1.312	0.270	0.129	2.089	0.041
(1,0,0,1,1)	0.919	-0.084	0.060	-1.412	0.163