

ARE213 Problem Set #1A

Peter Alstone & Frank Proulx

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1 Problem #1

a Data records are excluded from the dataset based whether the following variables take the noted values *as found in the data manual*:

b One easy way that the data cleaning process could be improved would be to only remove records based on the variables of interest. Missing values in fields that are not actually being used in the analysis do not pose a problem.

c Summary table:

Table 1:

	<i>Dependent variable:</i>		
	full.record		
	(1)	(2)	(3)
omaps		0.005*** (0.0004)	0.002*** (0.0004)
fmaps			0.007*** (0.0004)
cigar	-0.003*** (0.0001)	-0.003*** (0.0001)	-0.003*** (0.0001)
Constant	0.965*** (0.001)	0.925*** (0.004)	0.882*** (0.001)
Observations	119,384	119,384	119,384
R ²	0.005	0.006	0.006
Adjusted R ²	0.005	0.006	0.006
Residual Std. Error	0.195 (df = 119382)	0.195 (df = 119381)	0.195 (df = 119381)
F Statistic	652.929*** (df = 1; 119382)	389.422*** (df = 2; 119381)	276.305*** (df = 2; 119381)
<i>Note:</i>			*p<0.1; **p<0.05; ***p<0.01

Table 2: Summary of Cleaned Dataset

Statistic	N	Mean	St. Dev.	Min	Max
rectype	114,616	1.262	0.440	1	2
pldel3	114,616	1.018	0.133	1	2
birattnd	114,616	1.202	0.564	1	5
cntocpop	114,616	1.443	1.137	0	3
stresfip	114,616	41.743	2.167	0	55
dmage	114,616	27.757	5.699	12	49
ormoth	114,616	0.091	0.522	0	5
mrace3	114,616	1.259	0.657	1	3
dmeduc	114,616	13.211	2.272	0	17
dmarr	114,616	1.251	0.434	1	2
adequacy	114,616	1.297	0.546	1	3
nlbml	114,616	0.967	1.148	0	12
dlivord	114,616	1.986	1.174	1	14
dtotord	114,616	2.420	1.520	1	24
totord9	114,616	2.407	1.458	1	8
monpre	114,616	2.502	1.326	0	9
nprevist	114,616	11.152	3.524	0	49
disllb	114,616	350.422	362.326	0	777
isllb10	114,616	3.321	3.188	0	9
dfage	114,616	30.063	6.410	13	78
orfath	114,616	0.095	0.531	0	5
dfeduc	114,616	13.277	2.326	0	17
birmon	114,616	6.474	3.394	1	12
weekday	114,616	4.047	1.881	1	7
dgestat	114,616	39.153	2.445	17	47
csex	114,616	1.485	0.500	1	2
dbrrt	114,616	3,373.295	585.168	227	6,067
dplural	114,616	1.028	0.174	1	4
omaps	114,616	8.117	1.260	0	10
fmaps	114,616	9.009	0.707	0	10
clngest	114,616	39.109	2.057	17	44
delmeth5	114,616	1.549	1.010	1	5
anemia	114,616	1.990	0.099	1	2
cardiac	114,616	1.993	0.083	1	2
lung	114,616	1.993	0.085	1	2
diabetes	114,616	1.973	0.162	1	2
herpes	114,616	1.994	0.089	1	8
chyper	114,616	1.992	0.087	1	2
phyper	114,616	1.969	0.172	1	2
pre4000	114,616	1.986	0.119	1	2
preterm	114,616	1.986	0.118	1	2
tobacco	114,616	1.841	0.366	1	2