

1. 載入資料 insurance.xls，套用模型probit/logit 評估影響有無保險的因素。

Variable	Description
healthy	self reported health status binary variable 1 = Healthy
anylim	“any limitation” binary variable 1 = Limitation
insured	health insurance binary variable 1 = Insured
selfemp	employment binary variable 1 = Self Employed
age	age in years
deg_nd	education binary variable 1 = No degree
deg_ged	education binary variable 1 = GED (High School Equivalent)
deg_hs	education binary variable 1 = High School
deg_ba	education binary variable 1 = Bachelor
deg_ma	education binary variable 1 = Masters
deg_phd	education binary variable 1 = Ph.D.
deg_oth	education binary variable 1 = Other
familysz	family size
race_bl	race binary variable 1 = Black
race_wh	race binary variable 1 = White
race_ot	race binary variable 1 = Other than Black or White
reg_ne	region binary variable 1 = NorthEast
reg_mw	region binary variable 1 = MidWest
reg_so	region binary variable 1 = South
reg_we	region binary variable 1 = West
male	sex binary variable 1 = Male
married	married binary variable 1 = Married

2. 載入資料 `smoking.xls`，套用模型 `probit/logit` 評估影響有吸煙的因素。

Variable	Definition
<i>smoker</i>	=1 if current smoker, =0 otherwise
<i>smkban</i>	=1 if there is a work area smoking ban, =0 otherwise
<i>age</i>	age in years
<i>hsdrop</i>	=1 if high school dropout, =0 otherwise
<i>hsgrad</i>	=1 if high school graduate, =0 otherwise
<i>colsome</i>	=1 if some college, =0 otherwise
<i>colgrad</i>	=1 if college graduate, =0 otherwise
<i>black</i>	=1 if black, =0 otherwise
<i>hispanic</i>	=1 if Hispanic =0 otherwise
<i>female</i>	=1 if female, =0 otherwise

3. 載入資料 turnout.csv，套用模型probit/logit評估投票行爲。

	race	age	educate	income	vote
1	white	60	14	3.3458	1
2	white	51	10	1.8561	0
3	white	24	12	0.6304	0
4	white	38	8	3.4183	1
5	white	25	12	2.7852	1
6	white	67	12	2.3866	1
7	white	40	12	4.2857	0
8	white	56	10	9.3205	1
9	white	32	12	3.8797	1
10	white	75	16	2.7031	1
11	white	46	15	11.2307	1
12	white	52	12	8.6696	1
13	white	22	12	1.7443	0
14	white	60	12	0.2253	0
15	white	24	14	4.3348	1