

This Supplementary file contains the code book for all variables and their values in the dataset (Full Dataset) before any data preparation

Variable	Position	Label	Measurement Level
Z1	1	Patient/Control	Nominal
A1	2	Sex	Nominal
A3	3	Age	Scale
A4	4	Education	Nominal
A5	5	Marital Status	Nominal
A6	6	Work (Yes/No)	Nominal
A7	7	What is your occupation?	Nominal
A8	8	Yearly Income (Shekels)	Scale
A9	9	Residence	Nominal
A10	10	Where do you live?	Nominal
B1	11	Patient (Colon/Rectal)	Nominal
B2	12	did Occult Blood test	Nominal
B3	13	did Colonoscopy	Nominal
B4	14	do you have Polyps	Nominal
B4d	15	Remove polyps	Nominal
B6	16	do you suffer from Crohn's disease	Nominal
B7	17	do you suffer from Ulcerative colitis	Nominal
B8	18	do you suffer from Irritable bowel syndrome	Nominal
B9	19	do you suffer from Diverticular	Nominal
B10	20	Did you Remove colon or rectum	Nominal
B11	21	Did you Remove Gallbladder	Nominal
B12	22	Do you have Diabetes	Nominal
B12b	23	Diabetes medications	Nominal
B12c	24	Type of diabetes medications	Nominal
B13	25	Do you have Cholesterol	Nominal
B14	26	Do you have Triglycerides	Nominal
B15	27	Do you have other cancers ?	Nominal
B20d	28	Do you take Laxatives	Nominal
C1	29	Do you smoke?	Nominal
C2	30	Are you Current Smoker	Nominal
C3	31	Age of Smoking initiation	Nominal
C5a	32	Manufactured cigarettes smoked (Weekly)	Nominal
C5b	33	Hand-Rolled Cigarettes smoked (Weekly)	Nominal
C5c	34	Pipe full of tobacco smoked (Weekly)	Nominal
C4d	35	Cigar smoked (Weekly)	Nominal
C5e	36	Shisha sessions smoked (Weekly)	Nominal

C6	37	Quit smoking last 12 months	Nominal
C8	38	Past Smoking	Nominal
C9	39	Past daily smoking	Nominal
C10	40	Age of smoking cessation	Nominal
C11	41	Years since smoking cessation	Nominal
D1	42	Alcohol consumption	Nominal
D2	43	Any alcohol in the past 12 months	Nominal
D3	44	Quit alcohol for health problem	Nominal
D4	45	No of times consumed alchol in the past 12 months	Nominal
D5	46	Drinks in the past 30 days	Nominal
D6	47	Occasions of drinking alcohol	Nominal
D7	48	Times of drinking in the past 30 days	Nominal
D9	49	Drinks in the past 7 days	Nominal
E1	50	Frequency of eating Fruits	Nominal
E2	51	Frequency of eating Vegetables	Nominal
E3	52	Frequency of eating Red Meat	Nominal
E3a	53	Frequency of eating Grilled Red Meat	Nominal
E4	54	Frequency of eating Chicken	Nominal
E4a	55	Frequency of eating Grilled Chicken	Nominal
G5	56	BMI	Nominal
PA	57	Physical Activity level	Nominal

Variable Values

Value		Label
Z1	0	Study cases
	1	Control Group
A1	0	Female
	1	Male
A4	0	No Schooling
	1	School (Primary and High)
	2	College and more
A5	0	Single
	1	Married
	2	Divorced/Widowd/Seprate d
A6	0	Not Work
	1	Work
A7	98	Refuse to answer
	99	I don't know
A9	0	City
	1	Village
	2	Camp
A10	0	Southern region
	1	Middle region
B1	0	Colon
	1	Rectal
B2	2	Control
	0	No
B3	1	Yes
	0	No
B4	1	Yes
	0	No
B4d	1	Yes
	2	No polyps
B6	0	No
	1	Yes
B7	0	No
	1	Yes

B8	0	No
	1	Yes
B9	0	No
	1	Yes
B10	0	No
	1	Yes
B11	0	No
	1	Yes
B12	0	No
	1	Yes
B12b	0	No diabetes
	1	Yes
B12c	0	Pills
	1	Insulin injections
	2	Not diabetes patient
B13	0	No
	1	Yes
B14	0	No
	1	Yes
B15	0	No
	1	Yes
B20d	0	Yes
	1	No
C1	0	No
	1	Yes
C2	0	No
	1	Yes
C3	0	Childhood
	1	Adulthood
	2	Don't smoke
C5a	0	<100 cigarettes
	1	≥100 cigarettes
	2	Don't smoke
C5b	0	<20 cigarettes
	1	≥ 20 cigarettes
	2	Don't smoke
C5c	0	<2 pipes
	1	≥2 pipes
	2	Don't smoke
C4d	0	<5 cigars

	1	≥5 cigars
	2	Don't smoke
	0	<3 sessions
C5e	1	≥3 sessions
	2	Don't smoke
	0	No
C6	1	Yes
	2	I don't smoke
	0	No
C8	1	Yes
	2	Non Smoker
	0	No
C9	1	Yes
	2	Non smoker
C10	98	Non Smoker
C11	98	Non Smoker
	0	Yes
D1	1	No
	0	Yes
	1	No
D2	98	I don't drink alcohol
	99	I don't know
	0	Yes
	1	No
D3	98	I don't drink alcohol
	99	I don't know
	0	Daily
	1	5-6 days per week
	2	3-4 days per week
D4	3	1-2 days per week
	4	1-3 days per month
	5	Less than once a month
	98	I don't drink alcohol
	0	Yes
	1	No
D5	98	I don't drink alcohol
	99	I don't know
D6	98	I don't drink alcohol
D7	98	I don't drink alcohol
D9	98	I don't drink alcohol

	0	<2 Weekly
E1	1	2-4 Weekly
	2	>4 Weekly
	0	<2 Weekly
E2	1	2-4 Weekly
	2	>4 Weekly
	0	<2 Weekly
E3	1	2-4 Weekly
	2	>4 Weekly
	0	<2 Weekly
E3a	1	2-4 Weekly
	2	>4 Weekly
	0	<2 Weekly
E4	1	2-4 Weekly
	2	>4 Weekly
	0	<2 Weekly
E4a	1	2-4 Weekly
	2	>4 Weekly
	0	18-24.9 Normal
G5	1	25-29.9 Overweight
	2	>30 Obesity
	0	High Physical Activity (>1500 MET – Min/Week)
PA	1	Moderate Physical Activity (600-1500 MET- Min/Week)
	2	Low Physical Activity (<600 MET-Min/Week)