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Variable	p-value	Significance	Report
GeneralHealth	7.52e-01	ns	
BMICategorical	1.49e-01	ns	
Smoke	1.07e-01	ns	
Snuff	1.88e-03	**	
Alcohol	1.08e-02	*	
SportsLeisure	6.46e-11	****	
SummerTransport	3.40e-02	*	
WinterTransport	3.63e-01	ns	
ScreenTime	9.56e-02	ns	
LeanFishFrequency	4.71e-01	ns	
FatFishFrequency	3.93e-01	ns	
CheeseFrequency	7.37e-01	ns	
ChocolateFrequency	5.98e-01	ns	
FruitsFrequency	3.98e-01	ns	
VegetablesFrequency	9.90e-01	ns	
DairyFrequency	7.74e-01	ns	
FruitJuiceFrequency	6.46e-02	ns	
SugarJuiceFrequency	5.77e-01	ns	
SugarDrinkFrequency	9.97e-01	ns	
SweetenerDrinkFrequency	4.61e-01	ns	
WaterFrequency	3.91e-01	ns	
HighSchool	5.98e-16	****	
D_NasalCarrier	1.90e-05	****	
D_ThroatCarrier	2.22e-03	**	
E_NasalCarrier	2.96e-04	***	
E_ThroatCarrier	9.95e-07	****	

Table 1: Sex differences for all categorical host factor

0.6	Rarely/Never	1-3 times per month	1-3 times per week	4-6 times per week	Every day	Unknown	Total	Freq
Man	35/36	— 120/128	— 294/279	+ 56/56	— 14/16	— 11/12	— 530	0.51
Woman	37/35	+++ 131/122	+++ 254/268	55/54	+++ 18/15	+++ 13/11	+++ 508	0.49
Total	72	251	548	111	32	24	1038	
Freq	0.07	0.24	0.53	0.11	0.03	0.02		1

Table 2: Overrepresented Sex differences for ChocolateFrequency

ChocolateFrequency	Rarely/Never	1-3 times per month	1-3 times per week	4-6 times per week	Every day	Unknown	Total	Freq
Man	35	(0.03) 120	(0.12) 294	(0.28) 56	(0.05) 14	(0.01) 11	(0.01) 530	0.51
Woman	37	(0.04) 131	(0.13) 254	(0.24) 55	(0.05) 18	(0.02) 13	(0.01) 508	0.49
Total	72	251	548	111	32	24	1038	
Freq		0.07	0.24	0.53	0.11	0.03	0.02	1

Table 3: Sex differences for ChocolateFrequency

2 Images

Variable	Biomarker	Men	Women
Alcohol	Delta and Notch-like epidermal growth factor-related receptor	**	ns
Alcohol	Fibroblast growth factor 5	ns	*
Alcohol	Urokinase-type plasminogen activator	ns	**
BMICategorical	C-C motif chemokine 3	***	ns
BMICategorical	CUB domain-containing protein 1	****	****
BMICategorical	Delta and Notch-like epidermal growth factor-related receptor	ns	**
BMICategorical	Fibroblast growth factor 21	**	ns
BMICategorical	Glial cell line-derived neurotrophic factor	**	ns
BMICategorical	Hepatocyte growth factor	****	**
BMICategorical	Interleukin-10 receptor subunit beta	ns	**
BMICategorical	Interleukin-18	**	**
BMICategorical	Interleukin-18 receptor 1	****	****
BMICategorical	Interleukin-6	***	****
BMICategorical	Macrophage colony-stimulating factor 1	*	**
BMICategorical	Matrix metalloproteinase-1	*	ns
BMICategorical	Monocyte chemotactic protein 3	****	****
BMICategorical	Monocyte chemotactic protein 4	ns	**
BMICategorical	Stem cell factor	****	ns
BMICategorical	TNF-related apoptosis-inducing ligand	ns	*
BMICategorical	Tumor necrosis factor receptor superfamily member 9	**	ns
BMICategorical	Vascular endothelial growth factor A	ns	****
ChocolateFrequency	Interleukin-2	ns	*
ChocolateFrequency	Leukemia inhibitory factor receptor	ns	*
DairyFrequency	Interleukin-20 receptor subunit alpha	**	ns
FatFishFrequency	Hepatocyte growth factor	*	ns
FatFishFrequency	Stem cell factor	***	ns
FatFishFrequency	Tumor necrosis factor	*	ns
FruitJuiceFrequency	Neurotrophin-3	ns	****
FruitsFrequency	Interleukin-13	*	ns
GeneralHealth	Leukemia inhibitory factor	*	ns
GeneralHealth	Matrix metalloproteinase-1	ns	*
HighSchool	C-X-C motif chemokine 10	*	ns
HighSchool	Delta and Notch-like epidermal growth factor-related receptor	***	ns
HighSchool	Fibroblast growth factor 21	***	***
HighSchool	Fibroblast growth factor 23	**	ns
HighSchool	Fractalkine	**	ns
HighSchool	Interleukin-2	**	ns
HighSchool	Leukemia inhibitory factor receptor	*	ns
HighSchool	Monocyte chemotactic protein 1	ns	*
HighSchool	Osteoprotegerin	**	ns
HighSchool	Tumor necrosis factor ligand superfamily member 14	*	ns
HighSchool	Urokinase-type plasminogen activator	**	*
LeanFishFrequency	Fibroblast growth factor 21	ns	*
Smoke	Delta and Notch-like epidermal growth factor-related receptor	ns	*
Smoke	Fibroblast growth factor 21	ns	**
Smoke	Leukemia inhibitory factor receptor	ns	***
Smoke	Matrix metalloproteinase-10	*	ns
Smoke	Stem cell factor	ns	***
Smoke	Urokinase-type plasminogen activator	ns	****
Snuff	Adenosine Deaminase	*	ns
Snuff	Fractalkine	*	ns
Snuff	Glial cell line-derived neurotrophic factor	ns	*
Snuff	Stem cell factor	ns	*
Snuff	Urokinase-type plasminogen activator	ns	*
SportsLeisure	Adenosine Deaminase	ns	**
SportsLeisure	C-C motif chemokine 19	*	ns
SportsLeisure	Fibroblast growth factor 21	****	**
SportsLeisure	Interleukin-6	ns	**
SportsLeisure	Urokinase-type plasminogen activator	*	ns
SummerTransport	Interleukin-4	****	ns
SweetenerDrinkFrequency	Neurotrophin-3	ns	***
WinterTransport	C-C motif chemokine 19	*	ns

Table 4: Biomarkers that are statistically significant for either men or women, after Bonferroni correction

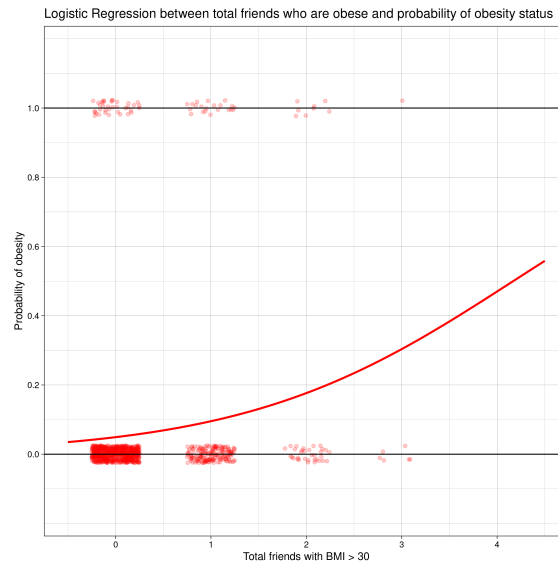


Figure 1: Logistic regression between number of obese friends and obesity status. Each dot represent a person who can be obese (1) or non-obese (0), and who has a total number of obese friends (x-axis).

3 Change History

0.1

Divided the document in two, main and supplementary materials.