Online Appendix: Do Prices and Attributes Explain International Differences in Food Purchases?

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1 Descriptive statistics for low income households

In this section we present descriptive statistics of the samples used to generate the simulations in Section 4.3.1. The layout of the Tables follows that of the tables in the paper for the main sample.

Table L1 : Demographics for low income households

	France	UK	US
# of households	2907	2050	2118
Household size	3.8	3.5	3.1
# of kids	1.4	1.2	1.0
Adult equivalent	3.2	2.8	2.5

Notes: numbers represent averages across households in the bottom income quartile. Adult equivalent is a scale of caloric needs: we sum the daily caloric needs of each member of the household (based on age and gender) and divide by 2500.

Table L2 : Mean Consumption Across Countries for low income households

	FR	UK	US
calories	1520.3	1814	2013.9
from carbohydrates	594.5 (39 %)	846.2 (48%)	993.4 (49%)
from protein	821.0 (45 %)	2656.0 (15%)	242.6 (13%)
from fats	288.9 (16 %)	655.1 (37%)	739.5 (37%)
carbohydrates (g)	158.3	225.7	264.9
proteins (g)	57.4	66.5	60.7
fats (g)	77.4	72.8	82.2
expenditure ($)	3.42	3.89	3.67

Notes: Figures reported are the average per person per day for households in the bottom income quartile using an adult equivalent scale over 2005-2006. Expenditure is in US$ using an exchange rate of £1 = $1.80 and €1 = $1.25.

Table L3: Expenditure and Quantity by Category for low income households

	Expenditure ($ per qtr)			Exp Shares (%)			Quantity (kilo per qtr)			Calorie Share (%)		
Category	FR	UK	US	FR	UK	US	FR	UK	US	FR	UK	US
Fruits	15.7	27.96	24.0	5.4	7.57	6.9	8.28	10.69	13.5	3.1	3.58	4.3
Vegetables	25.4	33.06	24.8	8.5	9.13	7.1	11.62	16.64	12.1	4.3	5.51	2.8
Grains	21.6	30.50	26.8	7.2	8.87	8.3	6.45	12.32	8.7	15.9	19.36	14.7
Dairy	54.7	45.08	31.2	17.6	12.93	9.5	23.08	25.56	19.6	17.1	12.71	8.7
Meats	93.4	65.14	65.2	29.2	17.77	19.0	10.37	10.11	13.7	14.9	12.81	15.5
Oils	10.8	6.45	6.5	3.5	1.84	1.9	2.60	1.93	2.2	13.2	6.67	7.0
Sweeteners	4.5	3.45	4.8	1.5	1.01	1.5	2.07	2.06	2.7	5.1	4.64	5.0
Drinks	18.6	22.34	34.7	5.9	6.35	10.4	34.68	18.33	45.7	4.0	2.23	7.3
Prepared	71.3	122.69	123.1	22.8	34.77	36.7	13.91	25.62	27.5	24.2	33.14	37.1

Notes: Figures are the mean of the distribution across households in the bottom income quartile and quarters, and are per person per quarter using an adult equivalent scale, conditional on strictly positive expenditure in that category in that quarter. Expenditure is in US$ using an exchange rate of £1 = $1.80 and €1 = $1.25.

Table L4: Mean Prices by Category for low income households

	FR	UK	US
Fruits	2.00	2.93	1.87
Vegetables	2.31	2.05	2.20
Grain	3.43	2.53	3.26
Dairy	2.66	2.01	2.07
Meats	9.05	6.38	5.02
Oils	4.35	3.39	3.52
Sweeteners	2.39	2.02	3.47
Drinks	0.74	1.84	1.28
Prepared	5.27	4.86	4.54

Notes: units are US$ per 1 kilogram using an exchange rate of £1 = $1.80 and €1 = $1.25.

Table L5: Calories from each Nutrient by Category for low income households

	carbohydrates			proteins			fats		
	FR	UK	US	FR	UK	US	FR	UK	US
Fruits	52	68	70	3	5	2	6	5	1
Vegetables	28	38	50	11	22	13	17	85	7
Grain	233	134	228	37	23	38	73	21	37
Dairy	24	24	29	56	54	47	145	159	125
Meats	5	21	28	80	71	65	140	126	198
Oils	1	7	5	15	3	1	628	600	649
Sweeteners	332	310	347	1	5	0	0	1	0
Drinks	19	34	71	0	4	2	0	5	5
Prepared	128	97	195	24	23	22	133	89	117

Notes: Figures are means across all food products purchased by households in the bottom income quartile in our sample, with each food product (UPC) having an equal weight. The units are calories from each nutrient (carbohydrates, proteins, fats) per 100 grams of food.

2 Descriptive statistics by high calorie households

In this section we present descriptive statistics of the samples used to generate the simulations in Section 4.3.2. The layout of the Tables follows that of the tables in the paper for the main sample.

Table H1 : Demographics for high calorie households

	France	UK	US
# of households	2730	3174	2121
Household size	1.8	2.1	1.7
# of kids	0.1	0.4	0.1
Adult equivalent	1.5	1.5	1.4

Notes: numbers represent averages across households in the top quartile of calories per adult equivalent per day. Adult equivalent is a scale of caloric needs: we sum the daily caloric needs of each member of the household (based on age and gender) and divide by 2500.

Table H2 : Mean Consumption Across Countries for high calorie households

	FR	UK	US
calories	2738.5	2754.2	3308.7
from carbohydrates	999.4 (37 %)	1272.4 (47%)	1600.9 (48%)
from protein	1291.9 (47%)	412.4 (15%)	403.5 (12%)
from fats	447.2 (16%)	996.3 (37%)	1248.5 (38%)
carbohydrates (g)	266.5	339.3	436.9
proteins (g)	111.8	103.9	100.9
fats (g)	143.5	110.7	138.7
expenditure ($)	7.85	6.54	6.67

Notes: Figures reported are the average per person per day for households in the top quartile of calories per adult equivalent per day using an adult equivalent scale over 2005-2006. Expenditure is in US$ using an exchange rate of £1 = $1.80 and €1 = $1.25.

Table H3: Expenditure and Quantity by Category for high calorie households

	Expenditure ($ per qtr)			Exp Shares (%)			Quantity (kilo per qtr)			Calorie Share (%)		
Category	FR	UK	US	FR	UK	US	FR	UK	US	FR	UK	US
Fruits	45.5	58.2	47.7	6.5	9.6	7.7	22.6	18.9	24.0	4.4	4.5	4.8
Vegetables	68.0	62.5	48.3	9.5	10.4	7.8	28.0	27.8	20.6	5.3	5.9	2.8
Grains	36.0	45.8	43.9	5.2	8.1	7.5	9.6	18.3	13.2	12.9	19.3	13.5
Dairy	113.5	72.6	54.4	16.1	12.8	9.1	37.6	39.2	28.9	16.6	12.9	8.5
Meats	239.9	109.4	120.7	33.1	18.6	19.7	22.9	15.3	23.1	17.5	13.1	16.5
Oils	24.7	11.8	11.9	3.6	2.1	2.0	5.0	3.0	3.4	14.6	7.2	7.1
Sweeteners	9.4	6.2	8.3	1.4	1.2	1.4	3.9	3.5	4.2	5.5	5.3	4.7
Drinks	39.9	31.8	58.0	5.5	5.5	9.6	66.2	22.2	72.7	3.0	1.9	5.9
Prepared	146.9	187.5	222.3	20.4	32.2	36.2	25.2	35.5	45.0	22.1	31.0	38.1

Notes: Figures are the mean of the distribution across households in the top quartile of calories per adult equivalent per day and quarters, and are per person per quarter using an adult equivalent scale, conditional on strictly positive expenditure in that category in that quarter. Expenditure is in US$ using an exchange rate of £1 = $1.80 and €1 = $1.25.

Table H4: Mean Prices by Category for high calorie households

	FR	UK	US
Fruits	2.09	3.11	2.08
Vegetables	2.52	2.35	2.48
Grain	3.88	2.70	3.51
Dairy	3.39	2.39	2.40
Meats	10.50	7.18	5.50
Oils	5.14	3.91	4.10
Sweeteners	2.86	2.44	4.21
Drinks	0.87	2.30	1.41
Prepared	6.03	5.45	4.94

Notes: units are US$ per 1 kilogram using an exchange rate of £1 = $1.80 and €1 = $1.25.

Table H5: Calories from each Nutrient by Category for high calorie households

	carbohydrates			protein			fats		
	FR	UK	US	FR	UK	US	FR	UK	US
Fruits	53	68	71	3	5	2	6	6	1
Vegetables	27	38	49	10	22	13	17	85	7
Grain	228	131	227	37	23	38	74	21	37
Dairy	21	23	28	59	56	48	152	162	129
Meats	5	21	29	80	71	65	129	128	202
Oils	1	6	5	13	2	1	635	606	656
Sweeteners	340	308	354	2	4	0	0	1	0
Drinks	16	34	65	1	4	2	0	5	5
Prepared	123	96	194	24	23	22	132	89	118

Notes: Figures are means across all food products purchased by households in the top quartile of calories per adult equivalent per day in our sample, with each food product (UPC) having an equal weight. The units are calories from each nutrient (carbohydrates, proteins, fats) per 100 grams of food.