Responses to
"Statistical Heartburn: An Attempt to Digest Four Pizza Publications from the Cornell Food and Brand Lab"

A. List of Inconsistencies and Authors' Responses

No.	List of reported inconsistencies	Responses from authors	Unique and Valid
	Article 1: "Lower Buffet Prices Lead to Less Taste Satisfaction"		
1	Sample size ($4 condition N=62 vs. N=41 vs. N=47) with reference to Table 2 in Art. 2	These arise because different numbers of individuals answered each question on the survey—an issue common to all field studies.	No
2	Sample size ($8 condition N=60 vs. N=26 vs. N=38) with reference to Table 2 in Art. 2	These arise because different numbers of individuals answered each question on the survey.	No
3	Table 1, $4 buffet: Gender (male percent) (57.4, $N = 62$)	This is due to non-response by some participants—an issue common to all field studies.	No
	Granularity Errors		
4	Table 1, $4 buffet: I was hungry when I came in, mean (6.62, $N = 62$)	This is due to non-response by some participants.	No
5	Table 1, $4 buffet: I am hungry now, mean (1.88, $N = 62$)	This is due to non-response by some participants.	No
6	Table 1, $8 buffet: Gender (male percent) (47.9, $N = 60$)	This is due to non-response by some participants.	No
7	Table 1, $8 buffet: I was hungry when I came in, mean (6.64, $N = 60$)	This is due to non-response by some participants.	No
8	Table 2, $4 buffet: The middle piece of pizza I ate was very enjoyable, mean (6.64, $N = 41$)	This is due to non-response by some participants.	No
9	Table 2, $4 buffet: The last piece of pizza I ate was very satisfying, mean (6.16, $N = 47$)	This is due to non-response by some participants.	No
10	Table 2, $8 buffet: The pizza, in general, tasted really great, mean (7.44, $N = 60$)	This is due to non-response by some participants.	No
11	Table 2, $8 buffet: The first piece of pizza I ate was very satisfying, mean (7.34, $N = 60$)	This is due to non-response by some participants.	No
12	Table 2, $8 buffet: The middle piece of pizza I ate tasted really great, mean (7.97, $N = 26$)	This is due to non-response by some participants.	No
13	Table 2, $8 buffet: The middle piece of pizza I ate was very satisfying, mean (7.97, $N = 26$)	This is due to non-response by some participants.	No
14	Table 2, $8 buffet: The middle piece of pizza I ate was very enjoyable, SD (1.22, $N = 26$)	This is due to non-response by some participants.	No
15	Table 2, $8 buffet: The last piece of pizza I ate was very satisfying, mean (7.41, $N = 38$)	This is due to non-response by some participants.	No
	Test statistics		
16	Table 1, Age, F statistic, Reported: 0.42, Possible: 0.39–0.40	The reported statistic is accurate. The inconsistency is due to misreporting the number of respondents in the table (n=129 versus n = 122 reported in the paper).	Yes
17	Table 1, Age, p value, Reported: 0.52, Possible: 0.53–0.53	The reported statistic is accurate. The inconsistency is due to misreporting the number of respondents in the table (n=129 versus n = 122 reported in the paper).	No
18	Table 1, Number in group, F statistic, Reported: 1.34, Possible: 1.08–1.27	This statistic is revised in our reanalysis due to an error found in the classification of one group. The reported value reflects the statistic produced when this error is	Yes

		uncorrected. The inconsistency is due to misreporting the number of respondents in the table (n=133 versus n = 122 reported in the paper).	
19	Table 1, Number in group, *p* value, Reported: 0.25, Possible: 0.26–0.30	This statistic is revised in our reanalysis due to an error found in the classification of one group. The reported value reflects the statistic produced when this error is uncorrected. The inconsistency is due to misreporting the number of respondents in the table (n=133 versus n = 122 reported in the paper).	No
20	Table 2, The middle piece of pizza I ate tasted really great, *F* statistic, Reported: 15.42, Possible: 13.41–14.04	These arise because different numbers of individuals answered each question on the survey.	No
21	Table 2, The middle piece of pizza I ate was very satisfying, *F* statistic, Reported: 14.69, Possible: 13.41–14.04	These arise because different numbers of individuals answered each question on the survey.	No
22	Table 2, The middle piece of pizza I ate was very enjoyable, *F* statistic, Reported: 12.48, Possible: 11.07–11.62	These arise because different numbers of individuals answered each question on the survey.	No
	Miscellaneous		
23	Impossible degrees of freedom: "F[1,122] = 4.24; P = 0.04" implies the total number of diners is 124, which is more than the reported 122.	The reported statistic is accurate. The inconsistency is due to misreporting the number of respondents in the table (n=129 versus n = 122 reported in the paper) and some non-response.	No
24	Changing degrees of freedom throughout Table 3 analyses (can only be explained by some diners not completing the survey, which is not mentioned in the text)	Survey non-response varying by question is common to all field studies. It was understood by both reviewers and editors and was not mentioned for brevity.	No
	Article 2: "Peak-end pizza: prices delay evaluations of quality"		
25	Table 1 is copied verbatim from Article 1 and contains the same errors as that table. These errors are not listed again here	All of these inconsistencies were due to different numbers of respondents completing each of the questions on the survey.	No
	Issues with the regression models		
26	In the regression models in Article 2, the dependent variable (Overall evaluation of all slice consumed) seem to be conceptually indisguisable from the predictors (individual slices)	This is not an inconsistency. Moreover, this is a common issue in the study of how the evaluation of components of an experience translate into overall evaluations.	No
27	Acute problems with multicollinearity conflicting to repeated-measures ANOVAs	This is not an inconsistency.	No
	Miscellaneous		
28	For taste, $4 condition was reported: F(2,60) = 90.93, p < 0.01 implying the N=63 vs. sample size reported 47	This was a transcription error.	Yes
29	For pizza satisfaction with the Peak-End model at $4 was reported: F(2,42) = 37.25, p < 0.01 implying the sample size 45 vs. sample size reported 47	The correct n is 45.	Yes
	Article 3: "Eating heavily: men eat more in the company of women"		
	Granularity Errors		
32	Table 2, Males eating with females, I felt rushed, mean (1.46, *N* = 40)	This is due to non-response by some participants.	No
30	Table 2, Males eating with females, I am physically uncomfortable, mean (2.11, *N* = 40)	This is due to non-response by some participants.	No
31	Table 2, Males eating with males, I overate, mean (2.76, *N* = 20)	This is due to non-response by some participants.	No
32	Table 2, Males eating with males, I am	This is due to non-response by some participants.	No

	physically uncomfortable, mean (2.27, *N* = 20)		
33	Table 2, Females eating with males, I overate, mean (2.73, *N* = 35)	This is due to non-response by some participants.	No
34	Table 2, Females eating with males, How many calories..., mean (463.61, *N* = 35)	This is due to non-response by some participants.	No
35	Table 2, Females eating with females, I felt rushed, mean (1.18, *N* = 10)	This is due to non-response by some participants.	No
36	Table 2, Females eating with females, I felt rushed, SD (0.40, *N* = 10)	This is due to non-response by some participants.	No
37	Table 2, Females eating with females, How many calories..., mean (111.71, *N* = 10)	This is due to non-response by some participants.	No
38	Table 2, Females eating with females, I am physically uncomfortable, mean (1.91, *N* = 10)	This is due to non-response by some participants.	No
39	Table 3, Only one male in mixed-sex groups, I overate, mean (2.92, *N* = 21)	This is due to non-response by some participants.	No
40	Table 3, Only one male in mixed-sex groups, I felt rushed, mean (1.65, *N* = 21)	This is due to non-response by some participants.	No
41	Table 3, Only one male in mixed-sex groups, I am physically uncomfortable, mean (2.32, *N* = 21)	This is due to non-response by some participants.	No
42	Table 3, More than one male in mixed-sex groups, I felt rushed, SD (1.23, *N* = 19)	This is due to non-response by some participants.	No
43	Table 3, More than one male in mixed-sex groups, I am physically uncomfortable, SD (1.24, *N* = 19)	This is due to non-response by some participants.	No
	Test statistics		
44	Table 1, Age, Males, *t* statistic, Reported: 0.42, Possible: 0.22–0.22 (Means were assumed to be 44.00 and 43.00)	This is due to an under-reported number of participants and transcription error omitting numbers after the decimal.	Yes
45	Table 1, Height, Males, *t* statistic, Reported: 1.59, Possible: 1.48–1.49	This is due to an under-reported number of participants.	No
46	Table 1, Weight, Males, t statistic, Reported: 2.87, Possible: 2.76–2.76	This is due to an under-reported number of participants.	No
47	Table 1, BMI, Males, *t* statistic, Reported: 2.52, Possible: 2.43–2.43	This is due to an under-reported number of participants.	No
48	Table 1, Age, Females, *t* statistic, Reported: 0.64, Possible: 0.60–0.60	This is due to an under-reported number of participants.	No
49	Table 1, Height, Females, *t* statistic, Reported: 0.37, Possible: 0.38–0.38	This is due to an under-reported number of participants.	No
50	Table 1, Weight, Females, *t* statistic, Reported: 2.38, Possible: 2.70–2.70	This is due to an under-reported number of participants.	No
51	Table 1, BMI, Females, t statistic, Reported: 2.96, Possible: 3.36–3.39	This is due to an under-reported number of participants.	No
52	Table 2, Salad consumed, Effect of gender, F statistic, Reported: 3.84, Possible: 4.64–4.81	This is due to non-response by some participants.	No
53	Table 2, Pizza slices consumed, Effect of gender, F statistic, Reported: 14.58, Possible: 12.41–13.07	This is due to an under-reported number of participants.	Yes
54	Table 2, How many calories..., Effect of gender, F statistic, Reported: 5.01, Possible: 6.94–6.94	This is due to non-response by some participants.	No
55	Table 2, I am physically uncomfortable, Effect of gender, F statistic, Reported: 0.15, Possible: 0.11–0.14	This is due to an under-reported number of participants.	No

56	Table 2, Salad consumed, Effect of group type, F statistic, Reported: 1.36, Possible: 1.64–1.73	This is due to non-response by some participants.	No
57	Table 2, Pizza slices consumed, Effect of group type, F statistic, Reported: 9.26, Possible: 7.83–8.32	This is due to an under-reported number of participants.	No
58	Table 2, How many calories..., Effect of group type, F statistic, Reported: 10.39, Possible: 14.38–14.38	This is due to non-response by some participants.	No
59	Table 2, Salad consumed, Effect of gender×group, F statistic, Reported: 4.83, Possible: 5.90–6.10	This is due to non-response by some participants.	No
60	Table 2, Pizza slices consumed, Effect of gender×group, F statistic, Reported: 4.22, Possible: 3.52–3.83	This is due to non-response by some participants.	No
61	Table 2, I overate, Effect of gender×group, F statistic, Reported: 4.15, Possible: 3.89–4.10	This is due to non-response by some participants.	No
62	Table 2, How many calories..., Effect of gender×group, F statistic, Reported: 4.05, Possible: 5.61–5.62	This is due to non-response by some participants.	No
63	Table 2, I am physically uncomfortable, Effect of gender×group, F statistic, Reported: 0.39, Possible: 0.31–0.38	This is due to non-response by some participants.	No
64	Table 3, I am physically uncomfortable, F statistic, Reported: 0.72, Possible: 0.28–0.32	This is due to an under-reported number of participants.	Yes
65	Table 3, How many calories..., F statistic, Reported: 0.15, Possible: 2.26–2.26	This is due to non-response by some participants.	No
	Miscellaneous		
66	Table 1, Males eating with females, Weight kg to pounds conversion, Reported: 191.89, Possible: 190.36–190.38	We converted raw reports and then took a mean. The critique converts the rounded mean.	No
67	Table 1, Males eating with males, Height cm to inches conversion, Reported: 71.28, Possible: 71.30–71.31	We converted raw reports and then took a mean. The critique converts the rounded mean.	No
68	Table 1, Males eating with males, Weight kg to pounds conversion, Reported: 224.00, Possible: 222.21–222.24	We converted raw reports and then took a mean. The critique converts the rounded mean.	No
69	Table 1, Females eating with males, Weight kg to pounds conversion, Reported: 143.62, Possible: 142.47–142.50	We converted raw reports and then took a mean. The critique converts the rounded mean.	No
70	Table 1, Females eating with females, Height cm to inches conversion, Reported: 64.83, Possible: 64.89–64.89	We converted raw reports and then took a mean. The critique converts the rounded mean.	No
71	Table 1, Females eating with females, Weight kg to pounds conversion, Reported: 167.28, Possible: 166.53–166.55	We converted raw reports and then took a mean. The critique converts the rounded mean.	No
72	Table 1, Males eating with females, BMI5 calculation, mean, Reported: 27.20, Possible: 27.24–27.25	We converted raw reports and then took a mean. The critique converts the rounded mean.	No
73	Table 1, Males eating with males, BMI calculation, mean, Reported: 30.96, Possible: 30.73–30.73	We converted raw reports and then took a mean. The critique converts the rounded mean.	No

74	Table 1, Females eating with males, BMI calculation, mean, Reported: 23.46, Possible: 23.50–23.51	We converted raw reports and then took a mean. The critique converts the rounded mean.	No
75	Table 1, Females eating with females, BMI calculation, mean, Reported: 27.77, Possible: 27.80–27.81	We converted raw reports and then took a mean. The critique converts the rounded mean.	No
76	Impossible degrees of freedom. These DFs are provided for a 2x2 ANOVA: "(1,109)". This implies a sample size of $109 + (2)(2) = 113$ while the total number of diners in this article is 105	This statistic is different in our reanalysis due to the need to reconstruct one lost variable from the original surveys. The updated statistic is similar and we believe the original was correct, with the inconsistency due to an underreporting of the number of participants.	No
77	Changing degrees of freedom. For the same 2x2 ANOVA that listed the DFs "(1,109)", the DFs "(1,98)", "(1,115)", and "(1,112)" are also used. None of these DFs match the total number of 105 diners	These arise because different numbers of individuals answered each question on the survey.	No
78	The SD for I overate, Males eating with males, changes between Tables 2 and 3 (2.18 versus 2.19)	We failed to round correctly in one of the tables (off by 0.01).	Yes
	Article 4: "Low prices and high regret: how pricing influences regret at all-you-can-eat buffets"		
	Granularity Errors		
79	Table 2, I ate more pizza than I should have, $4, One piece, mean (2.63, $N = 18$)	This is due to non-response by some participants.	No
80	Table 2, I am physically uncomfortable, $4, One piece, SD (1.88, $N = 18$)	We failed to round correctly (off by 0.01).	Yes
81	Table 2, I ate more pizza than I should have, $4, Two pieces, mean (4.82, $N = 18$)	This is due to non-response by some participants.	No
82	Table 2, I feel guilty about how much I ate, $4, Two pieces, SD (2.47, $N = 18$)	We failed to round correctly (off by 0.01).	Yes
83	Table 2, I am physically uncomfortable, $4, Two pieces, SD (2.12, N = 18)	We failed to round correctly (off by 0.01).	Yes
84	Table 2, I feel guilty about how much I ate, $4, Three pieces, SD (1.49, N = 7)	We failed to round correctly (off by 0.01).	Yes
85	Table 2, I overate, $4, Three pieces, SD (1.79, N = 7)	We failed to round correctly (off by 0.01).	Yes
86	Table 2, I ate more than I should have, $4, Three pieces, SD (2.22, N = 7)	This was a transcription error.	Yes
87	Table 2, I feel guilty about how much I ate, $8, One piece, mean (2.26, N = 17)	This is due to underreporting of the number of participants.	Yes
88	Table 2, I am physically uncomfortable, $8, One piece, mean (1.97, N = 17)	This was a transcription error (used the 3rd instead of second digit, off by 0.02).	Yes
89	Table 2, I overate, $8, One piece, mean (1.67, N = 17)	This is due to underreporting of the number of participants.	No
90	Table 2, I ate more than I should have, $8, One piece, mean (1.76, N = 19)	This is due to non-response by some participants.	No
91	Table 2, I am physically uncomfortable, $8, Two pieces, mean (1.45, N = 19)	This is due to underreporting of the number of participants.	No
92	Table 2, I overate, $8, Two pieces, mean (1.67, N = 19)	This is due to underreporting of the number of participants.	No
93	Table 2, I ate more than I should have, $8, Two pieces, mean (2.14, N = 19)	This was due to an improper handling of outliers in the original analysis. The updated table reflects a proper estimate.	Yes
94	Table 2, I am physically uncomfortable, $8, Three pieces, mean (2.25, N = 10)	This is due to underreporting of the number of participants.	No

95	Table 2, I overate, $8, Three pieces, SD (2.74, N = 10)	This is due to underreporting of the number of participants.	No
96	Table 2, I ate more than I should have, $8, Three pieces, mean (3.92, N = 10)	This was due to an improper handling of outliers in the original analysis. The updated table reflects a proper estimate.	Yes
97	Table 3, I ate more pizza than I should have, $8, One piece, mean (1.76, N = 19)	This is due to non-response by some participants.	No
98	Table 3, I am physically uncomfortable, $8, One piece, mean (1.955, N = 19)	This was a transcription error.	Yes
99	Table 3, I overate, $8, One piece, mean (1.67, N = 19)	This is due to non-response by some participants.	No
100	Table 3, I ate more pizza than I should have, $8, Two pieces, mean (3.53, N = 21)	This was due to an improper handling of outliers in the original analysis. The updated table reflects a proper estimate.	Yes
101	Table 3, I feel guilty about how much I ate, $8, Two pieces, mean (1.68, N = 21)	This was due to an improper handling of outliers in the original analysis. The updated table reflects a proper estimate.	No
102	Table 3, I am physically uncomfortable, $8, Two pieces, mean (1.28, N = 21)	This was due to an improper handling of outliers in the original analysis. The updated table reflects a proper estimate.	No
103	Table 3, I overate, $8, Two pieces, mean (1.53, N = 21)	This was due to an improper handling of outliers in the original analysis. The updated table reflects a proper estimate.	No
104	Table 3, I ate more pizza than I should have, $8, Three pieces, mean (4.40, N = 12)	This was due to an improper handling of outliers in the original analysis. The updated table reflects a proper estimate.	Yes
105	Table 3, I feel guilty about how much I ate, $8, Three pieces, mean (2.90, N = 12)	This was due to an improper handling of outliers in the original analysis. The updated table reflects a proper estimate.	No
106	Table 3, I am physically uncomfortable, $8, Three pieces, mean (2.10, N = 12)	This was due to an improper handling of outliers in the original analysis. The updated table reflects a proper estimate.	No
107	Table 3, I overate, $8, Three pieces, SD (2.95, N = 12)	This was due to an improper handling of outliers in the original analysis. The updated table reflects a proper estimate.	No
	Test statistics		
108	Table 1, Age (years), t statistic, Reported: 0.25, Possible: 0.26–0.26	This was due to non-response by some participants.	No
109	Table 1, Height (inches), t statistic, Reported: 1.38, Possible: 1.39–1.41	This was due to non-response by some participants.	No
110	Table 1, Weight (pounds), t statistic, Reported: 0.52, Possible: 0.57–0.57	This was due to non-response by some participants.	No
111	Table 2, I ate more pizza than I should have, Effect of Price, F statistic, Reported: 5.37, Possible: 5.41–5.63	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
112	Table 2, I am physically uncomfortable, Effect of Price, F statistic, Reported: 4.19, Possible: 2.49–2.69	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	Yes
113	Table 2, I overate, Effect of Price, F statistic, Reported: 5.02, Possible: 4.61–4.86	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
114	Table 2, I ate more than I should have, Effect of Price, F statistic, Reported: 6.20, Possible: 5.04–5.28	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
115	Table 2, I ate more pizza than I should have, Effect of Pieces, F statistic, Reported: 10.77, Possible: 10.80–11.05	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
116	Table 2, I feel guilty about how much I ate, Effect of Pieces, F statistic, Reported: 1.49, Possible: 1.77–1.87	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No

117	Table 2, I am physically uncomfortable, Effect of Pieces, F statistic, Reported: 0.25, Possible: 0.15–0.18	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
118	Table 2, I overate, Effect of Pieces, F statistic, Reported: 4.09, Possible: 4.99–5.16	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
119	Table 2, I ate more than I should have, Effect of Pieces, F statistic, Reported: 5.00, Possible: 5.61–5.78	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
120	Table 2, I feel guilty about how much I ate, Effect of Price×pieces, F statistic, Reported: 1.67, Possible: 1.13–1.	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
121	Table 2, I am physically uncomfortable, Effect of Price×pieces, F statistic, Reported: 1.15, Possible: 1.21–1.30	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
122	Table 2, I overate, Effect of Price×pieces, F statistic, Reported: 2.27, Possible: 2.03–2.14	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
123	Table 3, I ate more pizza than I should have, One piece, F statistic, Reported: 1.62, Possible: 1.81–1.91	This results from non-response by some participants.	No
124	Table 3, I ate more pizza than I should have, Two pieces, F statistic, Reported: 2.47, Possible: 2.60–2.71	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
125	Table 3, I ate more pizza than I should have, Three pieces, F statistic, Reported: 1.34, Possible: 1.36–1.40	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
126	Table 3, I feel guilty about how much I ate, Two pieces, F statistic, Reported: 7.13, Possible: 7.54–7.79	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
127	Table 3, I am physically uncomfortable, Two pieces, F statistic, Reported: 8.11, Possible: 11.93–12.36	This results from non-response by some participants.	No
128	Table 3, I overate, Two pieces, F statistic, Reported: 1.63, Possible: 14.62–15.01	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
129	Table 3, I ate more than I should have, Two pieces, F statistic, Reported: 10.36, Possible: 10.97–11.27	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
	Miscellaneous		
	The following entries change between Tables 2 and 3		
130	One piece, $8, Sample size	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
131	Two pieces, $8, Sample size	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
132	Three pieces, $8, Sample size	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
133	I feel guilty about how much I ate, Two pieces, $4, SD – I feel guilty about how much I ate, Three pieces, $4, SD – I am physically uncomfortable, One piece $4, SD	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
134	I am physically uncomfortable, Two pieces $4, SD	We rounded improperly (off by 0.01).	Yes

135	I ate more than I should have, Three pieces, $4, SD	We rounded improperly (off by 0.01).	Yes
136	I am physically uncomfortable, One piece, $8, mean	This resulted from a transcription error (off by 0.02).	No
137	I am physically uncomfortable, Two pieces, $8, mean	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
138	I am physically uncomfortable, Two pieces, $8, SD	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
139	I am physically uncomfortable, Three pieces, $8, mean – I am physically uncomfortable, Three pieces, $8, SD	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
140	I overate, Two pieces, $8, mean	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
141	I overate, Two pieces, $8, SD	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
142	I overate, Three pieces, $8, SD	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
143	I ate more than I should have, Two pieces, $8, mean	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
144	I ate more than I should have, Two pieces, $8, SD	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
145	I ate more than I should have, Three pieces, $8, mean	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
146	I ate more than I should have, Three pieces, $8, SD	The original statistic was a result of improper elimination of outliers. The corrected statistic appears in the updated analysis.	No
147	The sample sizes in Table 2 do not add up to 95	This is due to non-response by some participants.	No
148	Incorrect degrees of freedom: The text describes an apparent 3x1 ANOVA with the DFs "(2, 84)", implying a total of $84 + 3 = 87$ diners when there are 95 diners in total	This is due to non-response by some participants.	No
149	Incorrect degrees of freedom: The text describes an apparent 2x1 ANOVA with the DFs "(1, 84)", implying a total of $84 + 2 = 86$ diners when there are 95 diners in total	This is due to non-response by some participants.	No
150	Table 1, Height, $8, SD seems excessively large (the SD of human height is typically around 4 inches; see also Table 1 of Article 1)	This is driven by a single outlier who apparently misreported their height (implausible value). This data is elsewhere eliminated from analyses involving height in the papers.	No
151	Table 1, Weight, $4, SD is large and inconsistent with the SD in the $8 condition, as well as with the SDs in Table 1 of Article 1	The difference in samples is described in the text. This article only included those who had eaten 1, 2, or 3 pieces. This included some apparently misreported weights (implausible) that elsewhere were eliminated from analyses involving weight.	No

B. Visual Summary of Inconsistencies and Authors' Responses

Article 1: "Lower Buffet Prices Lead to Less Taste Satisfaction"

Table 1

	$4 buffet (N = 62)	$8 buffet (N = 60)	F test (p value)
Age	44.16 (18.99)	46.08 (14.46)	0.42 (0.52)
Gender (male percent)	57.4	47.9	
Height	68.52 (3.95)	67.91 (3.93)	0.76 (0.37)
Weight	180.84 (48.37)	182.31 (48.41)	0.03 (0.87)
Number in group	3.00 (1.55)	3.28 (1.29)	1.34 (0.25)
I was hungry when I came in	6.62 (1.85)	6.64 (2.06)	0.00 (0.95)
I am hungry now	1.88 (1.34)	1.85 (1.75)	0.01 (0.91)

Responses from authors

Table 1

	$4 buffet	$8 buffet	F-test (P value)
Age	44.16 (19.00)	46.08 (14.46)	0.42 (0.52)
N=	**64**	**65**	
Gender (male percent)	**60**	**51.5**	
N=	**65**	**68**	
Height	68.52 (3.95)	67.91 (3.93)	0.76 (0.37)
N=	**64**	**63**	
Weight	180.84 (48.37)	182.31 (48.41)	0.03 (0.87)
N=	**62**	**54**	
Number in group	3.00 (1.55)	3.28 (1.29)	1.34 (0.25)
N=	**65**	**68**	
I was hungry when I came in	6.62 (1.85)	6.64 (2.06)	0.00 (0.95)
N=	**66**	**70**	
I am hungry now	1.88 (1.34)	1.85 (1.75)	0.01 (0.91)
N=	**67**	**66**	

Supplements/Corrections appear in **blue bold print.** Only corrections made for Gender (male percent)

Table 2

	$4 buffet (N = 62)	$8 buffet (N = 60)	F test (p value)
The pizza, in general, tasted really great	6.89 (1.39)	7.44 (1.60)	4.24 (0.04)
The first piece of pizza I ate tasted really great	7.08 (1.30)	7.45 (1.60)	1.97 (0.16)
The first piece of pizza I ate was very satisfying	7.08 (1.37)	7.34 (1.70)	0.82 (0.37)
The first piece of pizza I ate was very enjoyable	7.05 (1.40)	7.47 (1.55)	2.40 (0.12)
The middle piece of pizza I ate tasted really great	6.68 (1.49)	7.97 (1.21)	15.42 (0.00)
The middle piece of pizza I ate was very satisfying	6.68 (1.49)	7.97 (1.21)	14.69 (0.00)
The middle piece of pizza I ate was very enjoyable	6.64 (1.48)	7.81 (1.22)	12.48 (0.00)
The last piece of pizza I ate tasted really great	6.15 (1.89)	7.58 (1.39)	15.16 (0.00)
The last piece of pizza I ate was very satisfying	6.16 (1.87)	7.41 (1.55)	10.99 (0.00)
The last piece of pizza I ate was very enjoyable	5.98 (1.86)	7.45 (1.52)	15.60 (0.00)

Responses from authors

Table 2

	$4 buffet (n = 62)	$8 buffet (n = 60)	F-test (P value)
The pizza, in general, tasted really great	6.89 (1.39)	7.44 (1.60)	4.24 (0.04)
N=	63	61	
The first piece of pizza I ate tasted really great	7.08 (1.30)	7.45 (1.60)	1.97 (0.16)
N=	62	60	
The first piece of pizza I ate was very satisfying	7.08 (1.37)	7.34 (1.70)	0.82 (0.37)
N=	60	59	
The first piece of pizza I ate was very enjoyable	7.05 (1.40)	7.47 (1.55)	2.40 (0.12)
N=	60	60	
The middle piece of pizza I ate tasted really great	6.72 (1.50)	8.00 (1.11)	15.42 (0.00)
N=	43	29	
The middle piece of pizza I ate was very satisfying	6.68 (1.49)	7.97 (1.21)	14.69 (0.00)
N=	40	29	
The middle piece of pizza I ate was very enjoyable	6.64 (1.48)	7.81 (1.22)	12.48 (0.00)
N=	39	31	
The last piece of pizza I ate tasted really great	6.15 (1.89)	7.58 (1.39)	15.16 (0.00)
N=	47	38	
The last piece of pizza I ate was very satisfying	6.16 (1.87)	7.41 (1.55)	10.99 (0.00)
N=	45	39	
The last piece of pizza I ate was very enjoyable	5.98 (1.86)	7.45 (1.52)	15.60 (0.00)
N=	44	40	

Supplements appear in **blue bold print.** No corrections made

Article 3: "Eating heavily: men eat more in the company of women"

Table 1

	Males eating with females (n = 40)	Males eating with males (n = 20)	t	Females eating with males (n = 35)	Females eating with females (n = 10)	t
Age (years)	44 (18.86)	43 (11.19)	0.42	44.52 (17.09)	48.18 (16.49)	0.64
Height (cm)	178.02 (7.72)	181.11 (7.32)	1.59	165.83 (7.71)	164.82 (5.88)	0.37
Weight (kg)	86.35 (17.92)	100.80 (21.33)	2.87	64.63 (10.95)	75.54 (12.42)	2.38
BMI	27.20 (5.13)	30.96 (6.62)	2.52	23.46 (3.53)	27.77 (3.68)	2.96

Responses from authors

Table 1

	Males eating with females (n=46)	Males eating with males (n=19)	t	Females eating with males (n=41)	Females eating with females (n=12)	t
Demographics						
Age (years)	45.22 (18.72)	43.47 (12.95)	0.37	43.68 (16.49)	48.18 (16.49)	0.80
N=	45	19		40	11	
Height (cm)	177.63 (7.90)	181.74 (6.71)	1.99	165.84 (7.26)	164.68 (5.96)	0.45
N=	46	19		41	9	
Weight (kg)	87.09 (16.88)	98.51 (22.23)	2.75	64.31 (10.56)	76.14 (12.52)	2.63
N=	45	18		35	7	
BMI	27.62 (5.20)	30.00 (6.40)	2.13	23.37 (3.64)	28.00 (3.71)	3.06
N=	45	18		35	7	

Supplements/Corrections appear in **blue bold print**

Table 2

	Males eating with females (N = 40)	Males eating with males (N = 20)	Females eating with males (N = 35)	Females eating with females (N = 10)	F test Effect of gender	F test Effect of group type	F test Effect of gender×group
Salad consumed	5.00 (2.99)	2.69 (2.57)	4.83 (2.71)	5.54 (1.84)	3.84	1.36	4.83
Pizza slices consumed	2.99 (1.75)	1.55 (1.07)	1.33 (0.83)	1.05 (1.38)	14.58	9.26	4.22
I overate	2.67 (2.04)	2.76 (2.18)	2.73 (2.16)	1.00 (0.00)	3.57	3.33	4.15
I felt rushed	1.46 (1.07)	1.90 (1.48)	2.29 (2.28)	1.18 (0.40)	0.02	0.83	4.53
How many calories of pizza you think you ate?	478.75 (290.67)	397.50 (191.37)	463.61 (264.25)	111.71 (109.57)	5.01	10.39	4.05
I am physically uncomfortable	2.11 (1.54)	2.27 (1.75)	2.20 (1.71)	1.91 (2.12)	0.15	0.03	0.39

Responses from authors

Table 2

	Males eating with females (n=46)	Males eating with males (n=19)	Females eating with males (n=41)	Females eating with females (n=12)	F test Effect of gender	F test Effect of group type	F test Effect of genderXgroup
Salad consumed	5.27 (3.07)	2.44 (2.61)	5.23 (2.84)	5.54 (1.84)	4.41	2.98	4.64
N=	40	16	33	7			
Pizza slices consumed	2.89 (1.77)	1.37 (1.21)	1.54 (0.88)	1.25 (0.87)	6.43	9.87	4.52
N=	46	19	39	12			
I overate	3.13 (2.51)	2.95 (2.57)	2.74 (2.19)	1.36 (1.21)	3.78	2.38	1.38
N=	45	19	39	11			
I felt rushed	1.87 (1.67)	2.47 (2.22)	2.23 (2.31)	1.18 (0.40)	1.19	0.27	3.78
N=	45	19	39	11			
How many calories of pizza you think you ate?	458.33 (307.25)	291.33 (226.05)	444.00 (279.94)	142.44 (168.37)	1.50	12.37	1.02
N=	42	15	35	9			
I am physically uncomfortable	2.15 (1.54)	2.47 (2.32)	2.28 (1.77)	1.91 (2.12)	0.31	0.00	0.74
N=	45	19	40	11			

Table 3

	Only-male groups (N = 20)	Only one male in mixed-sex groups (N = 21)	More than one male in mixed-sex groups (N = 19)	F test
Salad consumed	2.69 (2.57)	5.55 (2.66)	4.33 (3.31)	5.16
Pizza slices consumed	1.55 (1.07)	2.79 (1.54)	3.13 (2.18)	4.89
I overate	2.76 (2.19)	2.92 (2.30)	2.53 (1.81)	0.18
I felt rushed	1.90 (1.48)	1.65 (1.34)	1.47 (1.23)	0.49
How many calories of pizza you think you ate?	397.50 (191.38)	409.52 (246.87)	555.26 (321.84)	0.15
I am physically uncomfortable	2.27 (1.75)	2.32 (1.77)	1.95 (1.24)	0.72

Responses from authors

Table 3

	Only-male groups (N=19)	Only one male in mixed-sex groups (N=23)	More than one male in mixed-sex groups (N=23)	F test
Salad consumed	2.44 (2.61)	5.72 (3.21)	4.86 (2.96)	5.66
N=	16	19	21	
Pizza slices consumed	1.37 (1.21)	2.91 (1.65)	2.87 (1.91)	5.80
N=	19	23	23	
I overate	2.95 (2.57)	3.32 (2.77)	2.96 (2.29)	.15
N=	19	22	23	
I felt rushed	2.47 (2.22)	2.00 (1.88)	1.74 (1.48)	.82
N=	19	22	23	
How many calories of pizza you think you ate?	291.33 (226.05)	384.21 (306.51)	519.57 (300.66)	3.06
N=	15	19	23	
I am physically uncomfortable	2.47 (2.32)	2.32 (1.86)	2.00 (1.17)	.38
N=	19	22	23	

Article 4: "Low prices and high regret: how pricing influences regret at all-you-can-eat buffets"

Table 1

Demographics	$4 (n = 43)	$8 (n = 52)	t
Age (years)	43.67 (18.50)	44.55 (14.30)	0.25
Height (inches)	68.65 (3.67)	66.51 (9.44)	1.38
Weight (pounds)	184.83 (63.70)	178.38 (45.71)	0.52

Responses from authors

Table 1

Demographics	$4 (n=43)	$8 (n=54)	t
Age (years)	43.67 (18.50)	44.55 (14.30)	**0.26**
N=	**42**	**49**	
Height (inches)	68.65 (3.67)	**67.76 (3.87)**	**1.12**
N=	**42**	**42**	
Weight (pounds)	**178.20 (48.11)**	178.38 (45.71)	**0.02**
N=	**40**	**40**	

Supplements/Corrections appear in **blue bold print.**

Table 2

	$4 (Discounted-price)			$8 (Full-price)			F statistics		
	One piece (N = 18)	Two pieces (N = 18)	Three pieces (N = 7)	One piece (N = 17)	Two pieces (N = 19)	Three pieces (N = 10)	Effect of price	Effect of pieces	Effect of price×pieces
I ate more pizza than I should have	2.63 (2.06)	4.82 (2.55)	6.00 (2.00)	1.76 (1.82)	3.53 (2.39)	4.40 (3.24)	5.37	10.77	0.15
I feel guilty about how much I ate	2.39 (1.94)	3.44 (2.47)	3.71 (1.49)	2.26 (1.79)	1.68 (1.42)	2.90 (2.08)	4.28	1.49	1.67
I am physically uncomfortable	2.17 (1.88)	2.94 (2.12)	2.43 (1.51)	1.97 (1.68)	1.45 (0.94)	2.25 (1.81)	4.19	0.25	1.15
I overate	2.11 (1.81)	3.89 (2.59)	3.71 (1.79)	1.67 (1.28)	1.67 (1.24)	3.50 (2.74)	5.02	4.09	2.27
I ate more than I should have	2.50 (2.20)	4.28 (2.44)	4.57 (2.22)	2.00 (1.45)	2.14 (1.77)	3.92 (2.81)	6.20	5.00	1.14

Responses from authors

Table 2

	$4 (Discounted-price)			$8 (Full-price)			F-Statistics		
	One piece (N =18)	Two pieces (N =18)	Three pieces (N =7)	One piece (N =19)	Two pieces (N =21)	Three pieces (N =12)	Effect of price	Effect of pieces	Effect of price x pieces
I ate more pizza than I should	2.63 (2.06)	4.82 (2.55)	6.00 (2.00)	1.76 (1.82)	**4.05 (1.82)**	**4.92 (3.23)**	**2.65**	**12.08**	**0.02**
I feel guilty about how much I ate	2.39 (1.94)	3.44 (2.47)	3.71 (1.49)	2.26 (1.79)	**2.19 (2.18)**	**3.33 (2.39)**	**1.59**	**1.95**	**0.72**
I am physically uncomfortable	2.17 (1.88)	2.94 (2.12)	2.43 (1.51)	1.95 (1.68)	1.45 (0.94)	2.25 (1.82)	**2.81**	**0.17**	**1.6**
I overate	2.11 (1.81)	3.89 (2.59)	3.71 (1.79)	1.67 (1.28)	1.67 (1.24)	3.50 (2.75)	**5.01**	**4.97**	**2.59**
I ate more than I should have	2.50 (2.20)	4.28 (2.44)	4.57 (2.23)	2.00 (1.45)	2.14 (1.77)	3.92 (2.81)	**5.49**	**5.52**	**1.59**

Supplements/Corrections appear in **blue bold print.**

Table 3

	1 Piece			2 Pieces			3 Pieces		
	$4 (N = 18)	$8 (N = 19)	F test	$4 (N = 18)	$8 (N = 21)	F test	$4 (N = 7)	$8 (N = 12)	F test
I ate more pizza than I should have	2.63 (2.06)	1.76 (1.82)	1.62	4.82 (2.55)	3.53 (2.39)	2.47	6.00 (2.00)	4.40 (3.24)	1.34
I feel guilty about how much I ate	2.39 (1.94)	2.26 (1.79)	0.04	3.44 (2.48)	1.68 (1.42)	7.13	3.71 (1.50)	2.90 (2.08)	0.78
I am physically uncomfortable	2.17 (1.89)	1.955 (1.68)	0.14	2.94 (2.13)	1.28 (0.46)	8.11	2.43 (1.51)	2.10 (1.91)	0.14
I overate	2.11 (1.81)	1.67 (1.28)	0.72	3.89 (2.59)	1.53 (1.02)	1.63	3.71 (1.79)	3.50 (2.95)	0.03
I ate more than I should have	2.50 (2.20)	2.00 (1.45)	0.67	4.28 (2.44)	2.05 (1.72)	10.36	4.57 (2.23)	4.00 (3.02)	0.18

Responses from authors

Table 3

	1 Piece			2 Pieces			3 Pieces		
	$4 (N=18)	$8 (N=19)	F-test	$4 (N=18)	$8 (N =21)	F-test	$4 (N=7)	$8 (N=12)	F-test
I ate more pizza than I should	2.63 (2.06)	1.76 (1.82)	1.62	4.82 (2.55)	**4.05 (1.82)**	**0.78**	6.00 (2.00)	**4.92 (3.23)**	**0.63**
I feel guilty about how much I ate	2.39 (1.94)	2.26 (1.79)	0.04	3.44 (2.47)	**2.19 (2.18)**	**2.82**	3.71 (1.49)	**3.33 (2.39)**	**0.14**
I am physically uncomfortable	2.17 (1.88)	1.95 (1.68)	0.14	2.94 (2.12)	1.45 (0.94)	8.11	2.43 (1.51)	**2.25 (1.82)**	**0.05**
I overate	2.11 (1.81)	1.67 (1.28)	0.72	3.89 (2.59)	1.67 (1.24)	**12.26**	3.71 (1.79)	**3.50 (2.75)**	**0.03**
I ate more than I should have	2.50 (2.20)	2.00 (1.45)	0.67	4.28 (2.44)	2.14 (1.77)	**9.96**	4.57 (2.23)	**3.92 (2.81)**	**0.28**

Supplements/Corrections appear in **blue bold print.**