

Supplementary material

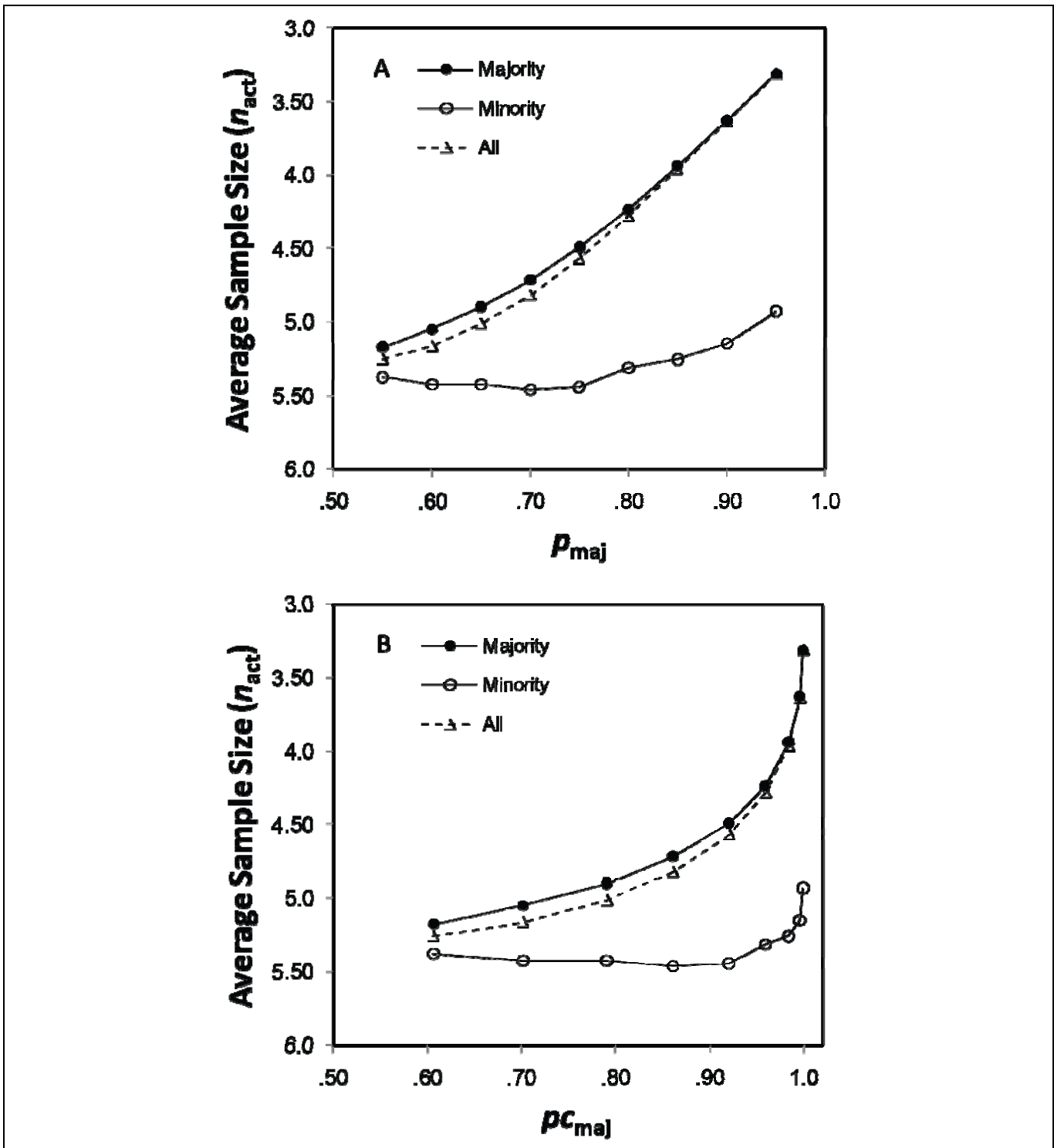
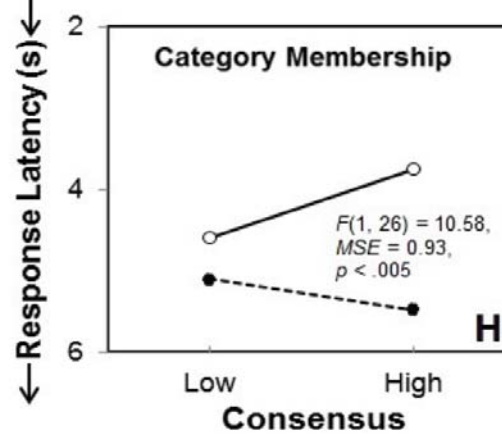
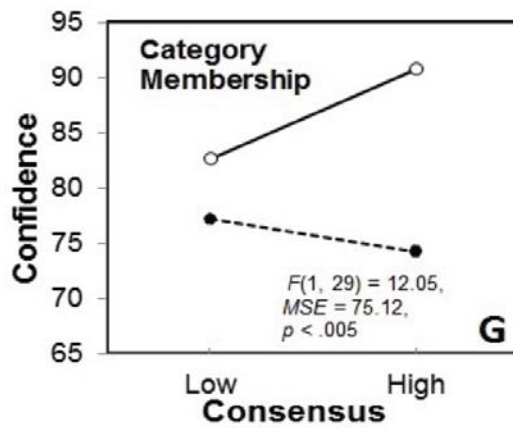
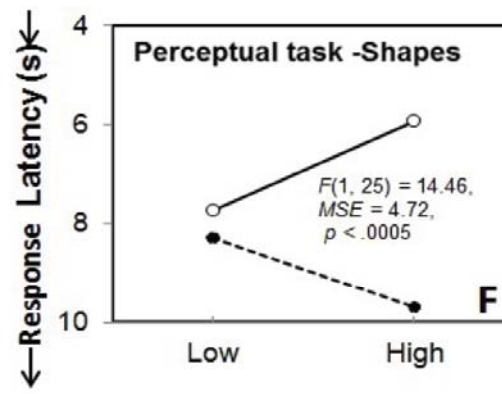
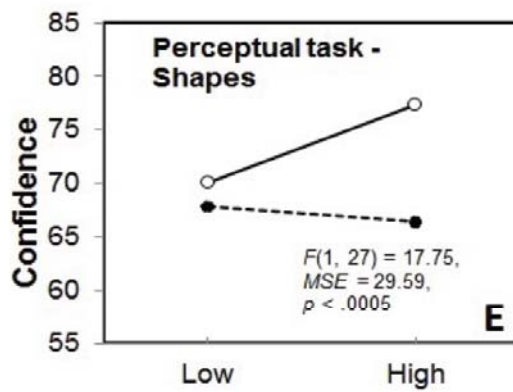
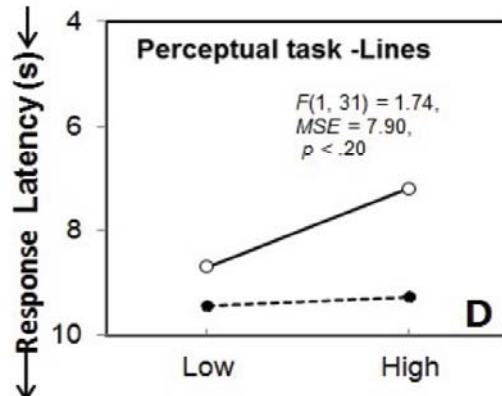
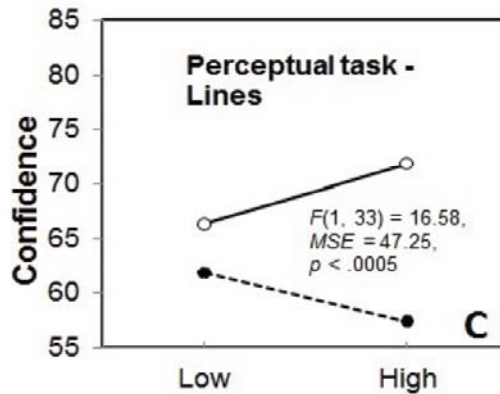
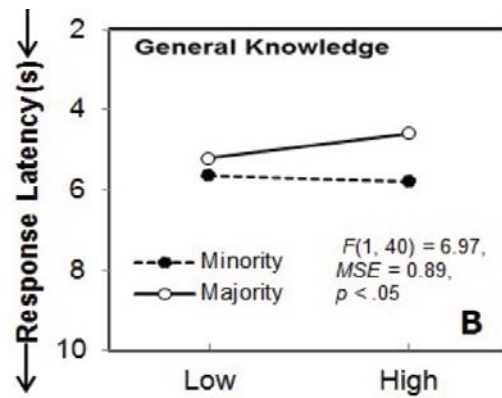
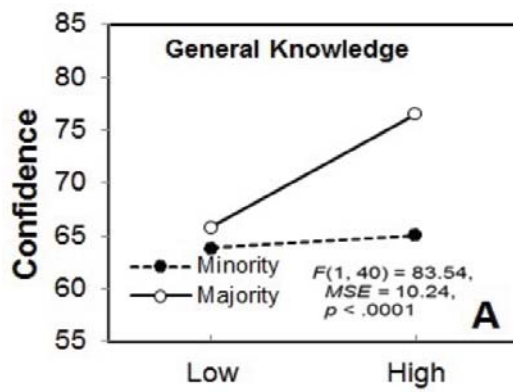


Figure 1. Average sample size (n_{act}) as a function of the probability of drawing a majority representation (P_{maj}) based on the results of the simulation experiment (panel A), and as a function of the probability of choosing the majority option (PC_{maj}) (Panel B). Both Panels A and B are adapted with permission from "The Construction of Attitudinal Judgments: Evidence from Attitude Certainty and Response Latency," by A. Koriat and S. Adiv, 2011, *Social Cognition*, 29, p. 586–587. Copyright 2011 by Guilford Press.



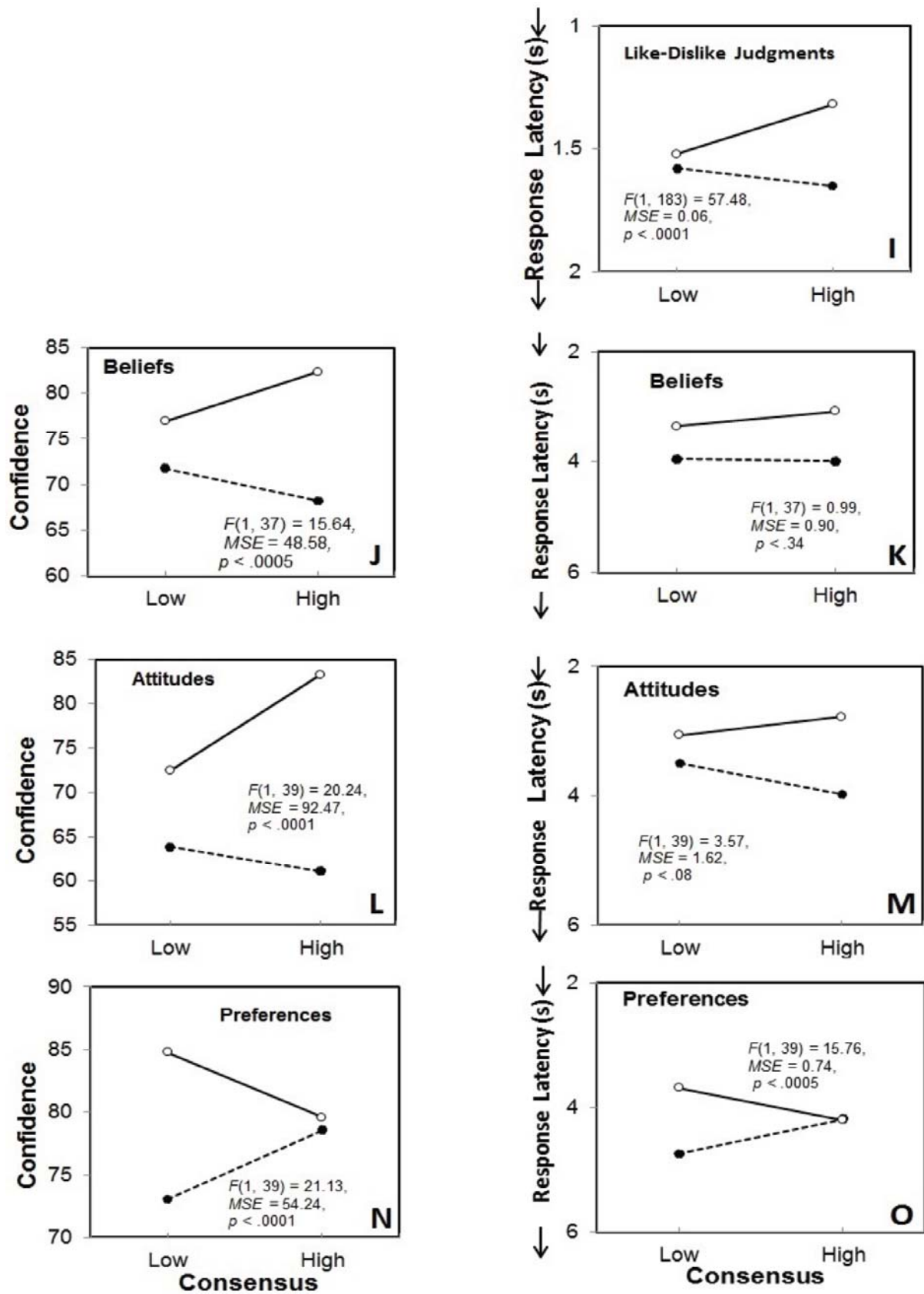
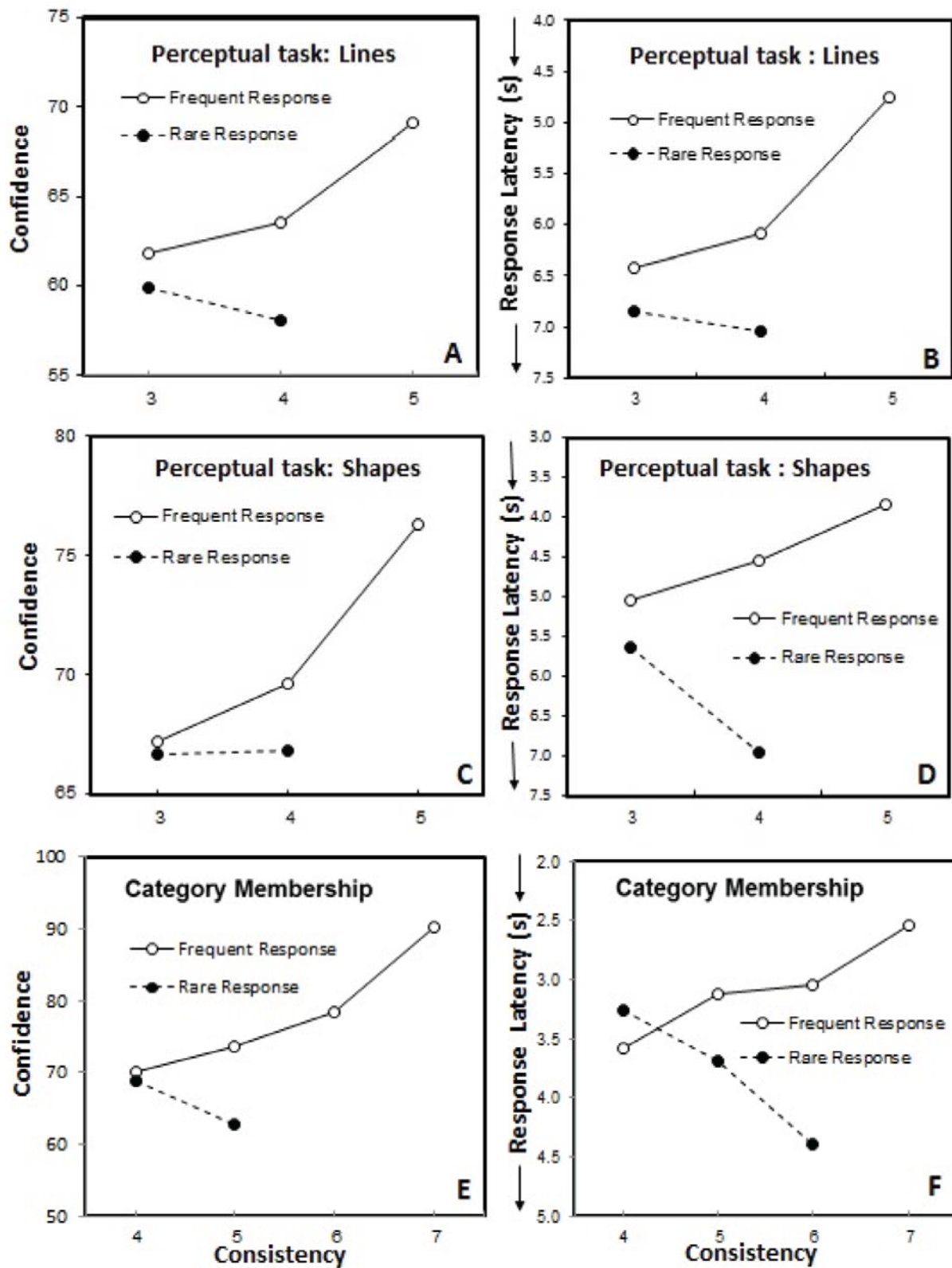


Figure 2. Mean confidence (left panel) and response latency (right panel) for majority and minority responses for items with low consensus and high consensus. The results for confidence are based on 7 experiments, and those for response latency are based on 8 experiments. The figures are based on a reanalysis of the raw data (see text for details).



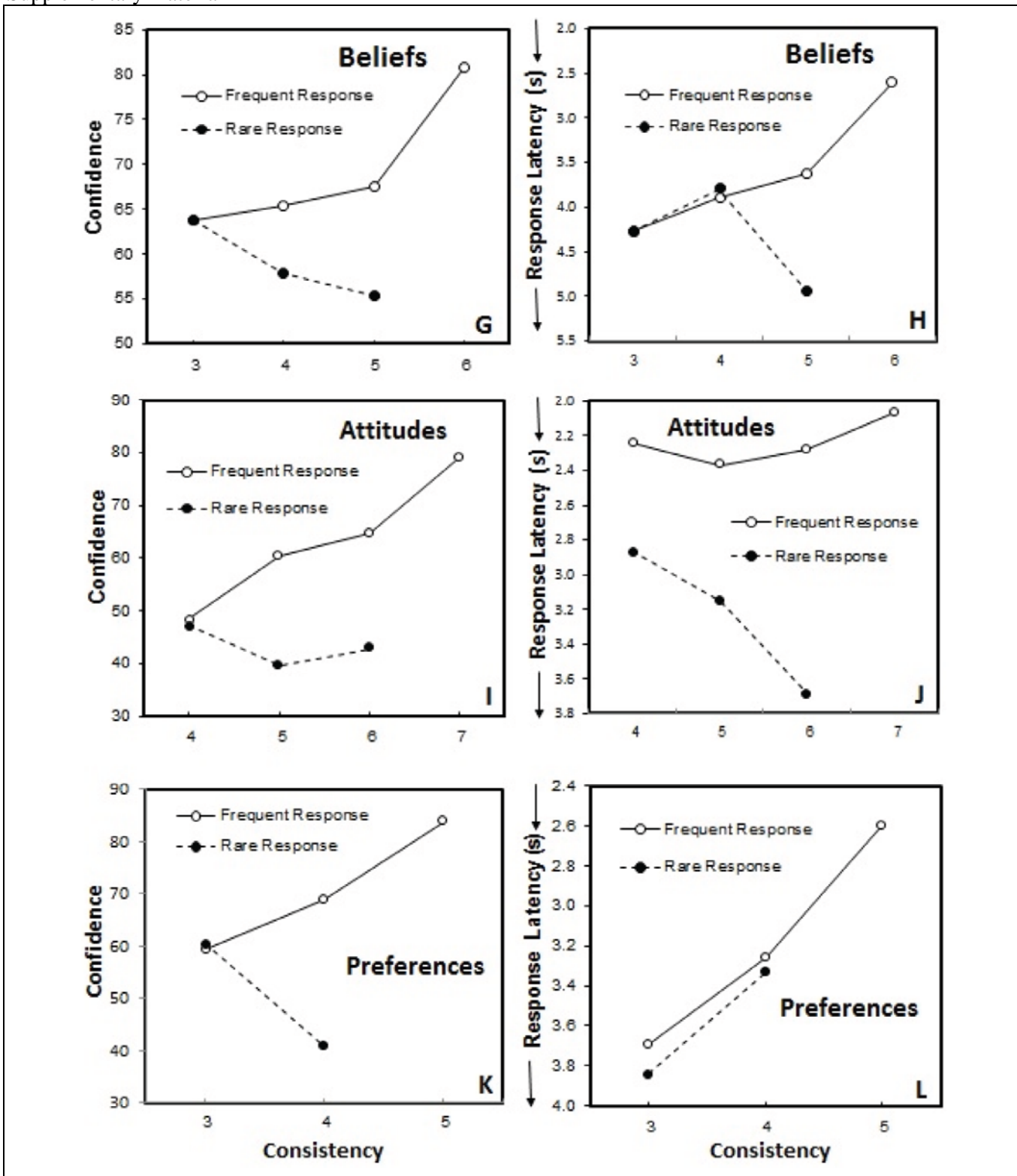
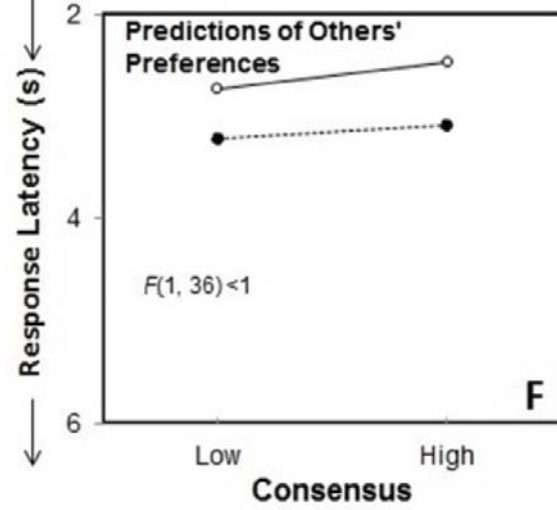
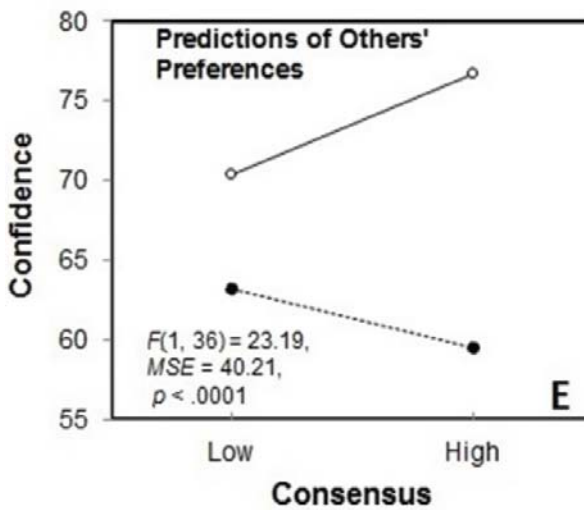
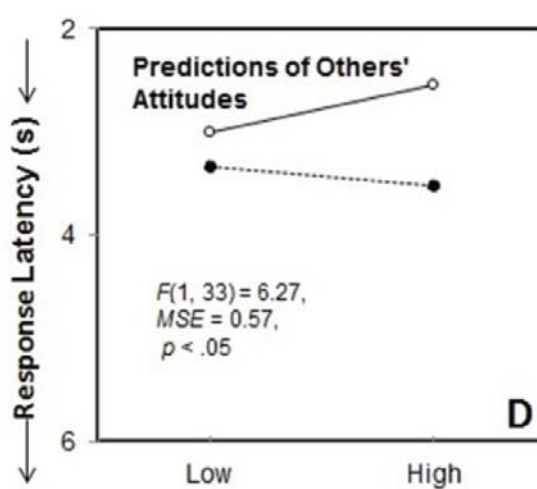
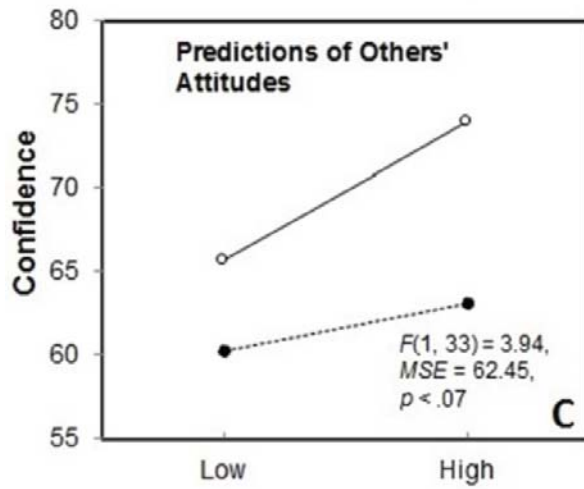
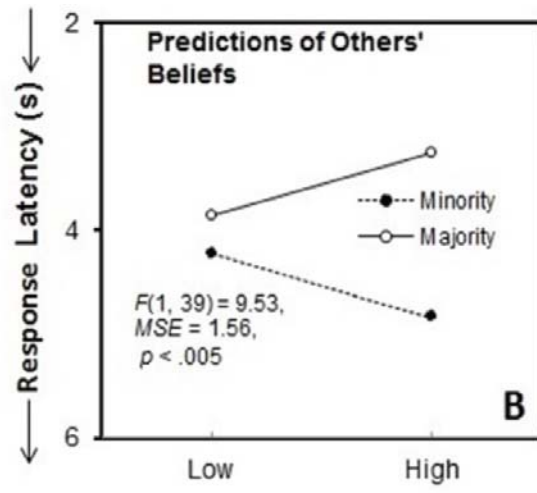
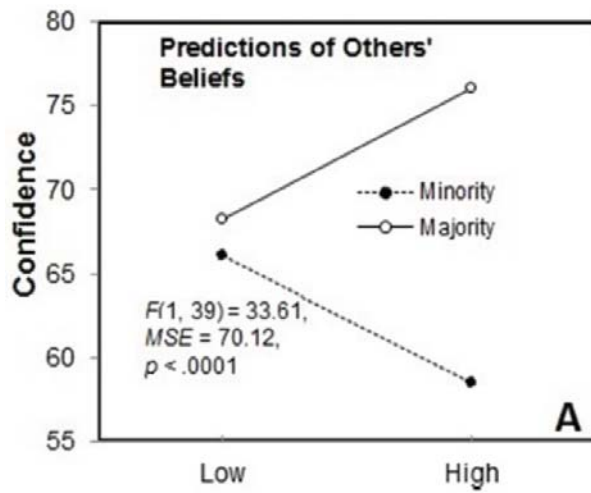


Figure 3. Mean confidence (left panel) and response latency (right panel) for frequent and rare choices as a function of item consistency (the number of times that the majority choice was made). The results are based on 6 experiments (see text for details). Panels A, B, C, and D are adapted from "Subjective Confidence in Perceptual Judgments: A Test of the Self-Consistency Model," by A. Koriat, 2011, *Journal of Experimental Psychology: General*, 140, p. 124 and 130. Copyright 2011 by the American Psychological Association. Panels E and F are adapted from "The Construction of Categorization Judgments: Using Subjective Confidence and Response Latency to Test a Distributed Model," by A. Koriat and H. Sorka, 2014. Panels G and H are adapted with permission from "Confidence in One's Social Beliefs: Implications for Belief Justification," by A. Koriat and S. Adiv, 2012, *Consciousness and Cognition*, 21, p.1606. Copyright 2012 by Elsevier Inc. Panels I and J are adapted with permission from "The Construction of Attitudinal Judgments: Evidence from Attitude Certainty and Response Latency," by A. Koriat and S. Adiv, 2011, *Social Cognition*, 29, p. 589. Copyright 2011 by Guilford Press. Panels K and L are adapted with permission from "Confidence in Personal Preferences" by A. Koriat, 2013, *Journal of Behavioral Decision Making*, 26, p. 252. Copyright 2012 by John Wiley & Sons.



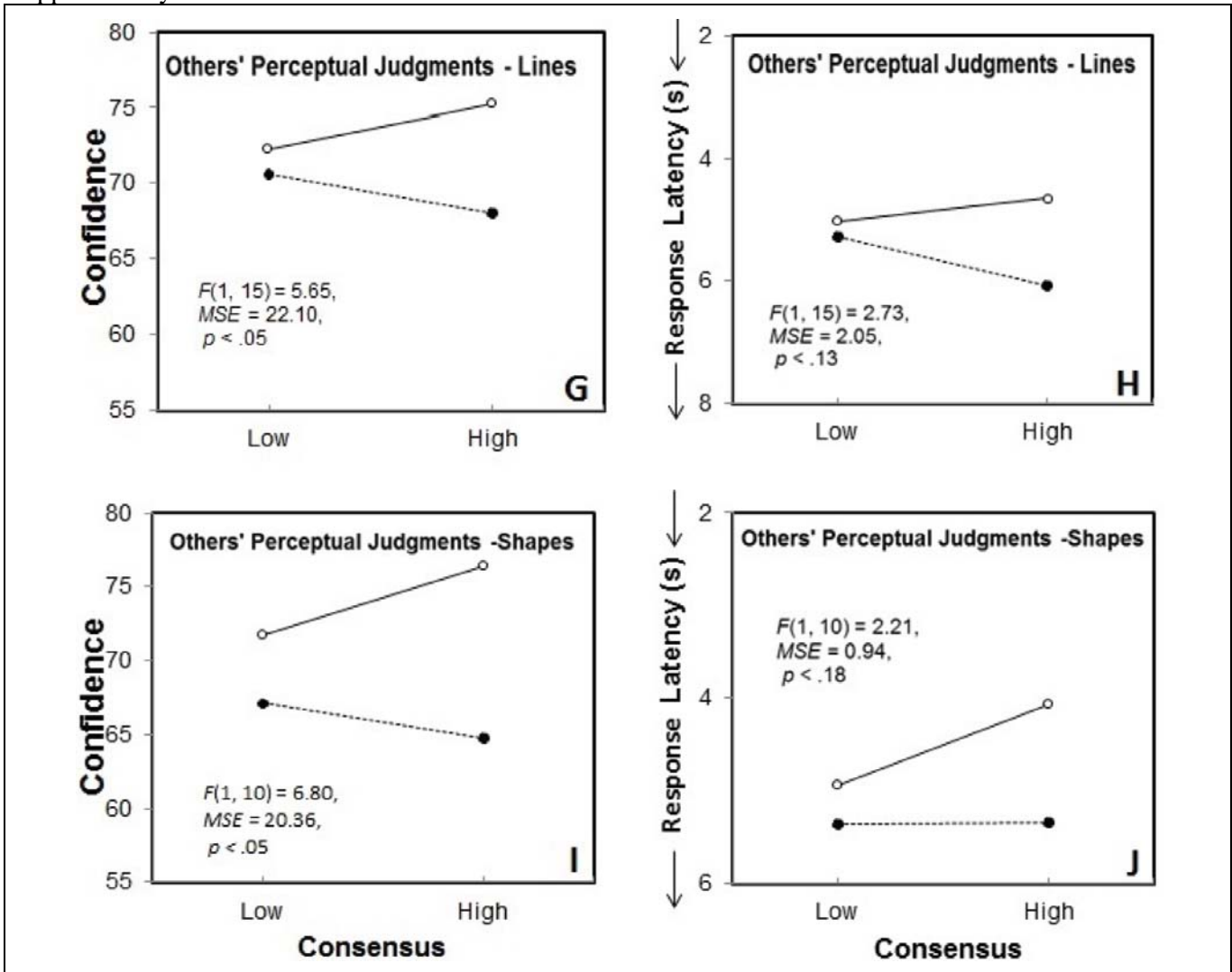


Figure 4. Mean confidence (left panel) and response latency (right panel) for majority and minority predictions of others' responses for low-consensus and high-consensus items. The results are based on 5 experiments (see text for details). Panels A, B, C, and D are based on a reanalysis of the results reported in "Confidence in the Predictions of Others' Beliefs and Attitudes," by A. Koriat and S. Adiv, 2014. Panels E and F are based on a reanalysis of the results reported in "Confidence in Personal Preferences," by A. Koriat, 2013, *Journal of Behavioral Decision Making*, 26, 247-259. Panels E, F, G and H are based on a reanalysis of results reported in "Can People Predict Whether Group Discussion Should Be Beneficial or Detrimental to Accurate Decisions?" by A. Koriat, 2014.

Supplementary material

Table 1: *Subject-Based Analyses: For Each Study, The Table Lists the Number of Items, the Number of Participants, the Confidence Scale Used, Mean Confidence/Latency for Majority and Minority Responses, t-test, 95% CI for the Difference, Cohen's d, and Binomial Test*

Experiment	Variable	n items	n Participants	Confidence Scale	Mean Majority	Mean Minority	t-test	95% CI	Cohen's d	Binomial
General Knowledge (Koriat, 2008)	Conf.	105	41	50-100	72.31	64.36	$t(40) = 14.79, p < .0001$	$\pm 1.05 (6.90 - 9.00)$	1.34	41 subs, $p < .0001$
	Response Latency				5.05	5.79	$t(40) = 6.24, p < .0001$	$\pm 0.23 (0.51 - 0.97)$	0.39	35 subs, $p < .0001$
Perceptual –Lines (Koriat, 2011)	Conf.	40	39	0-100	69.42	60.87	$t(38) = 7.08, p < .0001$	$\pm 2.37 (6.18 - 10.92)$	0.82	35 subs, $p < .0001$
	Response Latency				7.59	9.46	$t(38) = 3.69, p < .001$	$\pm 0.99 (0.88 - 2.86)$	0.35	30 subs, $p < .001$
Perceptual –Shapes (Koriat, 2011)	Conf.	40	41	50-100	75.56	66.96	$t(40) = 9.42, p < .0001$	$\pm 1.79 (6.81 - 10.39)$	0.95	39 subs, $p < .0001$
	Response Latency				6.46	9.15	$t(40) = 5.84, p < .0001$	$\pm 0.90 (1.78 - 3.58)$	0.66	35 subs, $p < .0001$
Category Membership (Koriat & Sorka, 2014)	Conf.	100	33	0-100	87.46	74.98	$t(32) = 8.17, p < .0001$	$\pm 2.99 (9.49 - 15.47)$	1.16	31 subs, $p < .0001$
	Response Latency				4.00	5.25	$t(32) = 7.94, p < .0001$	$\pm 0.31 (0.94 - 1.56)$	1.15	31 subs, $p < .0001$
Like-Dislike Judgments (Huge & Glynn, 2013)	Response Latency	75	198		1.39	1.58	$t(197) = 12.54, p < .0001$	$\pm 0.03 (0.16 - 0.22)$	0.50	173 subs, $p < .0001$
Beliefs (Koriat & Adiv, 2012)	Conf.	60	41	0-100	79.69	70.21	$t(40) = 7.48, p < .0001$	$\pm 2.48 (7.00 - 11.96)$	0.95	39 subs, $p < .0001$
	Response Latency				3.24	4.15	$t(40) = 5.24, p < .0001$	$\pm 0.34 (0.58 - 1.26)$	0.54	33 subs, $p < .0001$
Attitudes (Koriat & Adiv, 2011)	Conf.	50	41	0-100	79.76	63.47	$t(40) = 16.27, p < .0001$	$\pm 1.96 (14.33 - 18.25)$	1.83	41 subs, $p < .0001$
	Response Latency				2.82	3.48	$t(40) = 4.64, p < .0001$	$\pm 0.28 (0.38 - 0.94)$	0.51	35 subs, $p < .0001$
Preferences (Koriat, 2012)	Conf.	60	41	0-100	82.68	77.24	$t(40) = 5.02, p < .0001$	$\pm 2.12 (3.32 - 7.56)$	0.55	35 subs, $p < .0001$
	Response Latency				3.87	4.36	$t(40) = 2.85, p < .01$	$\pm 0.34 (0.15 - 0.83)$	0.31	30 subs, $p < .005$

Supplementary material

Table 2: Item-Based Analyses: The Table Lists for Each Study the Number of Items, the Number of Participants, the Confidence Scale Used, Mean Confidence/Latency for Majority and Minority Responses, *t*-test, 95% CI for the Difference, Cohen's *d*, and Binomial Test (The removal of responses with outlier response latency sometimes resulted in 100% consensus for one or two additional items, and these were removed)

Experiment	Variable	n items	n Participants	Confidence Scale	Mean Majority	Mean Minority	t-test	95% CI	Cohen's <i>d</i>	Binomial
General Knowledge (Koriat, 2008)	Conf.	104	41	50-100	70.92	64.59	$t(103) = 6.74, p < .0001$	$\pm 1.84 (4.49 - 8.17)$	0.53	78 items, $p < .0001$
	Response Latency				5.14	5.91	$t(103) = 4.17, p < .0001$	$\pm 0.36 (0.41 - 1.13)$	0.52	67 items, $p < .005$
Perceptual –Lines (Koriat, 2011)	Conf.	38	39	0-100	68.48	62.33	$t(37) = 3.66, p < .001$	$\pm 3.29 (2.86 - 9.44)$	0.82	32 items, $p < .0001$
	Response Latency				8.05	9.62	$t(37) = 2.09, p < .05$	$\pm 1.47 (0.10 - 3.04)$	0.50	28 items, $p < .005$
Perceptual –Shapes (Koriat, 2011)	Conf.	36	41	50-100	74.03	67.00	$t(35) = 4.88, p < .0001$	$\pm 2.82 (4.21 - 9.85)$	1.11	29 items, $p < .0005$
	Response Latency				6.87	9.46	$t(35) = 4.55, p < .0001$	$\pm 1.12 (1.48 - 3.72)$	1.07	28 items, $p < .0005$
Category Membership (Koriat & Sorka, 2014)	Conf.	85	33	0-100	84.61	75.27	$t(84) = 5.30, p < .0001$	$\pm 3.45 (5.88 - 12.78)$	0.70	65 items, $p < .0001$
	Response Latency				4.34	5.22	$t(84) = 4.53, p < .0001$	$\pm 0.38 (0.50 - 1.26)$	0.70	56 items, $p < .005$
Like-Dislike Judgments (Huge & Glynn, 2013)	Response Latency	75	198		1.41	1.57	$t(74) = 4.44, p < .0001$	$\pm 0.07 (0.09 - 0.23)$	0.51	53 items, $p < .0005$
Beliefs (Koriat & Adiv, 2012)	Conf.	59	41	0-100	78.90	68.68	$t(58) = 5.81, p < .0001$	$\pm 3.45 (6.78 - 13.68)$	1.16	47 items, $p < .0001$
	Response Latency	58			3.29	4.11	$t(58) = 3.04, p < .005$	$\pm 0.53 (0.28 - 1.34)$	0.60	36 items, $p < .07$
Attitudes (Koriat & Adiv, 2011)	Conf.	46	41	0-100	77.80	62.28	$t(45) = 5.65, p < .0001$	$\pm 5.38 (10.13 - 20.89)$	1.31	36 items, $p < .0001$
	Response Latency	45			2.86	3.85	$t(44) = 3.13, p < .005$	$\pm 0.62 (0.37 - 1.61)$	0.69	35 items, $p < .0005$
Preferences (Koriat, 2012)	Conf.	59	41	0-100	82.09	76.73	$t(58) = 4.13, p < .0001$	$\pm 0.40 (4.35 - 5.15)$	0.66	44 items, $p < .0005$
	Response Latency				3.94	4.75	$t(58) = 3.66, p < .0005$	$\pm 0.43 (0.38 - 1.24)$	0.64	37 items, $p < .05$

Supplementary material

Table 3: *Within-Individual Analyses: The Table Lists for Each Study the Number of Items, the Number of Presentations, the Confidence Scale Used, Mean Confidence/Latency for Frequent and Rare Responses, t-test, 95% CI for the Difference, Cohen's d, and Binomial Test*

Experiment	Variable	n items	n Presentations	Confidence Scale	Mean Frequent	Mean Rare	t-test	95% CI	Cohen's d	Binomial
Perceptual – Lines (Koriat, 2011)	Conf.	39	5	0-100	62.71	59.03	$t(38) = 5.22, p < .0001$	$\pm 1.37 (2.31 - 5.05)$	0.25	31 items, $p < .0005$
	Response Latency				6.25	7.28	$t(38) = 3.45, p < .005$	$\pm 0.59 (0.44 - 1.62)$	0.28	35 items, $p < .0001$
Perceptual – Shapes (Koriat, 2011)	Conf.	41	5	50-100	68.43	66.62	$t(40) = 3.22, p < .005$	$\pm 1.10 (0.71 - 2.91)$	0.19	28 items, $p < .05$
	Response Latency				4.73	6.44	$t(40) = 4.21, p < .0001$	$\pm 0.79 (0.92 - 2.50)$	0.68	37 items, $p < .0001$
Category Membership (Koriat & Sorka, 2014)	Conf.	33	7	0-100	73.92	62.70	$t(32) = 7.37, p < .0001$	$\pm 2.99 (8.23 - 14.21)$	0.69	30 items, $p < .0001$
	Response Latency				3.22	3.74	$t(32) = 3.64, p < .005$	$\pm 0.28 (0.24 - 0.80)$	0.62	24 items, $p < .01$
Beliefs (Koriat & Adiv, 2012)	Conf.	41	6	0-100	66.76	56.09	$t(40) = 5.29, p < .0001$	$\pm 3.95 (6.71 - 14.61)$	0.67	36 items, $p < .0001$
	Response Latency				3.00	3.92	$t(40) = 3.25, p < .005$	$\pm 0.55 (0.37 - 1.47)$	0.55	32 items, $p < .0005$
Attitudes (Koriat & Adiv, 2011)	Conf.	41	7	0-100	59.84	44.93	$t(40) = 4.53, p < .0001$	$\pm 6.52 (8.38 - 21.42)$	0.88	34 items, $p < .0001$
	Response Latency	40			2.29	3.49	$t(39) = 3.07, p < .005$	$\pm 0.77 (0.43 - 1.97)$	0.64	29 items, $p < .005$
Preferences (Koriat, 2012)	Conf.	40	5	0-100	65.96	52.73	$t(39) = 4.56, p < .0001$	$\pm 5.68 (7.55 - 18.91)$	0.74	32 items, $p < .0001$
	Response Latency	38			3.36	3.16	$t(37) = 0.85, p < .41$	$\pm 0.44 (-0.64 - +0.24)$	0.15	11 items, $p < .01$

Supplementary material

Table 4: *Confidence and Response Latency for the Predictions of Others' Responses: The Table Lists for Each Study the Number of Items, the Number of Participants, the Confidence Scale Used, Mean Confidence/Latency for Majority and Minority Responses, t-test, 95% CI for the Difference, Cohen's d and Binomial Test*

Experiment	Variable	n items	n Participants	Confidence Scale	Mean Majority	Mean Minority	t-test	95% CI	Cohen's d	Binomial
Beliefs (Koriat & Adiv, 2014)	Conf.	60	41	0-100	72.99	64.92	$t(40) = 10.47, p < .0001$	$\pm 1.51 (6.56 - 9.58)$	0.70	37 subs, $p < .0001$
	Response Latency				3.50	4.37	$t(40) = 4.06, p < .0005$	$\pm 0.42 (0.45 - 1.29)$	0.38	35 subs, $p < .0001$
Attitudes (Koriat & Adiv, 2014)	Conf.	42 (out of 48)	40	0-100	71.32	61.51	$t(39) = 9.01, p < .0001$	$\pm 2.14 (7.67 - 11.95)$	1.04	39 subs, $p < .0001$
	Response Latency				2.70	3.46	$t(39) = 4.18, p < .0005$	$\pm 0.35 (0.41 - 1.11)$	0.61	33 subs, $p < .0001$
Preferences (Koriat, 2012)	Conf.	57 (out of 59)	41	0-100	73.76	62.32	$t(40) = 7.96, p < .0001$	$\pm 2.81 (8.63 - 14.25)$	0.05	39 subs, $p < .0001$
	Response Latency				2.54	3.10	$t(40) = 3.99, p < .0005$	$\pm 0.27 (0.28 - 0.82)$	0.01	34 subs, $p < .0001$
Perceptual-Lines (Koriat, 2014)	Conf.	34 (out of 40)	20	50-100	73.33	69.00	$t(19) = 4.24, p < .0005$	$\pm 2.00 (2.32 - 6.32)$	0.74	16 subs, $p < .01$
	Response Latency				4.94	5.80	$t(19) = 2.69, p < .05$	$\pm 0.63 (0.23 - 1.49)$	0.38	14 subs, $p < .08$
Perceptual-Shapes (Koriat, 2014)	Conf.	31 (out of 40)	19 (out of 20)	50-100	74.40	68.07	$t(18) = 4.09, p < .001$	$\pm 3.04 (3.29 - 9.37)$	0.75	18 subs, $p < .0001$
	Response Latency				4.19	6.13	$t(18) = 3.03, p < .01$	$\pm 1.25 (0.69 - 3.19)$	0.80	16 subs, $p < .005$