ConsensusAppeal (1591)	192	172	160	186	171	113	80	206	113	198
EmpatheticTone (1294)	152	138	108	118	104	133	129	125	122	165
UncertaintyDisclosure (1017)	188	84	209	110	53	108	34	151	20	60
AccuracyNudge (985)	118	111	121	78	105	78	83	118	74	99
CallToVerify (890)	112	98	71	91	90	74	76	76	83	119
Inoculation (698)	82	50	83	69	61	45	40	91	41	136
TemporalFraming (684)	114	53	96	82	61	20	9	102	58	89
SelfAffirmation (577)	54	74	35	49	42	57	76	65	45	80
SocraticQuestioning (507)	29	40	57	78	51	73	60	41	49	29
MetacognitiveCue (452)	37	37	51	56	45	60	52	45	30	39
PolicyRefusal (226)	12	18	31	23	30	22	13	14	29	34
Redirect (204)	14	14	33	23	24	14	11	16	28	27
ProsocialAppeal (175)	20	18	11	5	12	9	1	17	1	81
SocialNormAppeal (69)	6	10	2	3	5	8	18	11	2	4
HumorOrSarcasm (25)	2	0	2	2	1	12	3	2	1	0
Total	2064	1783	1893	1856	1730	1609	1543	1945	1528	2027

Supplementary Table 3. Frequency of strategy use for each model.

Strategy (total times used)	Claude Sonnet 4.5	Gemini 2.5 PrO	ChatGPT-5	Grok-4
EvidenceCite (2289)	588	587	561	553
AnalyticalReasoning (2225)	557	589	569	510
AlternativeExplanation (2077)	539	507	531	500
AppealToAuthority (1993)	454	474	506	559
ConsensusAppeal (1591)	422	371	357	441

EmpatheticTone (1294)	392	396	201	305
UncertaintyDisclosure (1017)	196	223	327	271
AccuracyNudge (985)	280	125	266	314
CallToVerify (890)	128	86	306	370
Inoculation (698)	175	140	131	252
TemporalFraming (684)	103	167	199	215
SelfAffirmation (577)	130	232	61	154
SocraticQuestioning (507)	197	103	80	127
MetacognitiveCue (452)	146	76	140	90
PolicyRefusal (226)	111	16	76	23
Redirect (204)	118	13	58	15
ProsocialAppeal (175)	33	41	45	56
SocialNormAppeal (69)	12	18	15	24
HumorOrSarcasm (25)	2	5	9	9
Total	4583	4169	4438	4788

Supplementary Table 4. Effectiveness analysis of correction strategies.

Strategy	Effectiveness (Qualitative)	Data Confidence	Key References	Points Assigned
Evidence Citation	High	Empirical	Prike & Ecker, 2023; Chan et al., 2023; Walter & Tukachinsky, 2020	+2
Alternative Explanation	High	Empirical	Prike & Ecker, 2023; Lewandowsky et al., 2012; Chan et al., 2023	+2
Consensus Appeal	Moderate–High	Empirical	Lewandowsky et al., 2012; Roozenbeek et al., 2023; van der Linden, 2022	+2
Inoculation (Prebunking)	Moderate	Empirical	van der Linden, 2022; Roozenbeek et al., 2023	+2
Analytical Reasoning	Moderate	Empirical	Prike & Ecker, 2023; Swire-Thompson et al., 2023	+2
Empathetic Tone	Moderate	Supported	Wittenberg & Berinsky, 2020; Peter & Koch, 2019	+2

			Roozenbeek et al., 2023; Pennycook et al., 2020	
Accuracy Nudge	Small–Moderate	Empirical	Roozenbeek et al., 2023; Pennycook et al., 2020	+1
Appeal to Authority	Small–Moderate	Supported	Roozenbeek et al., 2023; Chan et al., 2023	+1
Social Norm Appeal	Small–Moderate	Supported	Roozenbeek et al., 2023; van der Linden et al., 2020	+1
Prosocial Appeal	Small	Supported	Roozenbeek et al., 2023; Chan et al., 2023	+1
Self-Affirmation	Small	Supported	Wittenberg & Berinsky, 2020	+1
Metacognitive Cue	Small	Empirical	Swire-Thompson et al., 2023	+1
Uncertainty Disclosure	Small / Null	Supported	Prike & Ecker, 2023	+0
Call to Verify	Small (Estimated)	Limited	Roozenbeek et al., 2023	+0
Redirect	Small (Estimated)	Limited	Roozenbeek et al., 2023	+0
Socratic Questioning	Small (Estimated)	Limited	Roozenbeek et al., 2023	+0
Temporal Framing	Small (Estimated)	Limited	Roozenbeek et al., 2023	+0
Policy Refusal	Negligible	Empirical	Roozenbeek et al., 2023	+0
Humor or Sarcasm	Negligible	Empirical	Roozenbeek et al., 2023; Chan et al., 2023	+0

Effectiveness categories are qualitative summaries based on empirical and meta-analytic research (e.g., Chan et al., 2022; Roozenbeek et al., 2023; Swire-Thompson & DeGutis, 2023). Where numeric values were unavailable, relative magnitude labels ("High," "Moderate," "Small") reflect consensus interpretations rather than direct statistical extraction.

Supplementary Table 5. Strategy effectiveness by topic.

Topic	Mean ± Standard Error	Significant differences (higher than)
Vaccines and Autism	11.04 ± 0.239	5G Technology*, Alternative Medicine*** , COVID-19 Origin***, Election Fraud***, Evolution***, Flat Earth***, GMO Foods***, Moon Landing***
5G Technology	10.62 ± 0.195	Alternative Medicine** , COVID-19 Origin***, Election Fraud***, Evolution***, Flat Earth***, Moon Landing***
GMO Foods	10.13 ± 0.211	COVID-19 Origin*, Evolution***, Flat Earth***, Moon Landing***
Alternative Medicine	9.78 ± 0.202	Evolution***, Flat Earth***, Moon Landing***
Climate Change	9.78 ± 0.217	Evolution***, Flat Earth***, Moon Landing***
Election Fraud	9.44 ± 0.210	Evolution**, Flat Earth*, Moon Landing**
COVID-19 Origin	9.25 ± 0.225	Evolution*, Moon Landing*
Flat Earth	8.87 ± 0.210	-
Evolution	8.72 ± 0.187	-
Moon Landing	8.46 ± 0.229	-