Cambridge University Press 978-0-521-83428-5 - The Construction of Preference Edited by Sarah Lichtenstein and Paul Slovic Index More information

# Index

\$ bet (L bet) anchoring and, 141-143 overpricing, 16, 148-149, 154, 158, 159-160 preference reversals and, 20-22, 56, 58, 69, 73-76, 114-119, 146-158, 675 pricing vs. choice and, 124-135, 229-231 pricing vs. rating and, 135-141. See also economic theory of choice accuracy vs. cognitive effort, 332-333, 338 action and decision making. See Search for Dominance Structure adaptive toolbox, 26 addiction, 382, 384-385, 392, 401-402, 451-452 adding options, 419-424 extremeness aversion and, 423-424 regularity condition and, 420-423. See also binary vs. triadic; deferred choice option adding strategy, weighted, 21, 328, 335 adding-up effects, 377, 382-384 adding vs. multiplying, 17, 22 additive extension effect, 575-578 additive model of preferences, 108, 109, 644 adolescent decision making, 439, 665-666 advertising, managing preferences in, 38-39 affect, 29, 434-453 affect heuristic, 434 affective vs. cognitive, 434-437, 460-462, 463 affect-referral heuristic, 447 attention focusing and, 29 attitude heuristic and, 447-448 as common currency, 29, 459-460 downside of, 449-452 dual-process theory and, 435 evaluability of, 439-440 hot vs. cold, 547-549 image and, 439 as information, 29, 456 insensitivity to probability and, 443-445

memory and, 457 as motivator, 435-436, 458-459 P bets/\$ bets and, 21 probability/relative frequency/risk and, 445-447 proportion dominance and, 440-443 reason and, 28-30 risk-as-feelings hypothesis and, 448-449 risk-benefit judgments and, 29, 442, 444, 445, 446 as spotlight, 458. See also mere exposure; valuation, by prototype/scope of problem affective evaluability, 21 affective mapping, 440, 441 affective tag, 450 affective valuation, 565, 567-568 Allais paradox, 8, 34-35, 183, 358, 487, 488 alternative-based. See attribute-based vs. alternative-based ambiguity aversion, 188-189 anchor. See anchoring anchoring, 402-403, 587-590, 698-699 attitude vs. economic preference and, 587-590 overview of anchoring effects, 588 upward bias in binary questions, 588-590 computer betting and, 118 in contingent valuation, 698-699 gambles/bets and, 118 overview of, 588 priming and, 25 upward bias in binary questions and, 588-590 willingness to pay and, 248, 249-250. See also anchoring manipulation; coherent arbitrariness anchoring and adjustment, 16, 21-22, 83-84, 113-114, 123, 129, 131, 230-231 anchoring manipulation, 141-143, 247-248 arbitrage (money pump), 10-11 artifacts, turning into main effects, 653

Cambridge University Press 978-0-521-83428-5 - The Construction of Preference Edited by Sarah Lichtenstein and Paul Slovic Index More information

#### 776 Index

artificial neural network, 221, 223 as-if model, of preference/choice, 399 asymmetric dominance, 14, 225, 226, 228, 229, 330, 422-423 attention anchoring and, 160, 587-590 focusing and affect, 29 as information processing measure, 127-128, 334-335 attention weights, 222-223, 231 attitude, voluntary vs. involuntary, 334-335, 337 attitude expression, 568 attitude heuristic, 447-448 attitude vs. economic preference, 565-593 anchoring and, 587-590 economics vs. psychology, 565 evaluation factor in, 568-570, 571, 572 norm theory and, 579-583 psychophysics of valuation, 583-587 dollar responses vs. category scales, 585, 586 magnitude scaling, 584 without modulus, 585 punitive damages, 442, 592 valuation, 567-568 by prototype, 572-579 extension neglect, 572-574, 575-578 insensitivity to scope, 574-575, 578-579 willingness to pay (SWTP)/contingent valuation, 566, 590-592 attraction effect. See asymmetric dominance attractiveness rating. See ratings, attractiveness attractiveness representations, 362-363 attractiveness restructuring, 366, 367, 369-370 attribute-based vs. alternative-based, 327-328 dimensional vs. interdimensional, 125 transitions, 128 within-attribute vs. interattribute, 196, 197, 210-212 attributes comparable, 193, 201-202, 203 comparable *vs*. enriched, 18, 199, 201-203 cues, 4, 5, 27, 29, 47, 75-76, 87, 92-93, 197, 278, 406, 455 enriched, 193, 201-203 enriched vs. comparable attributes, 18, 199, 201-205 evaluability of, 166-170 hard vs. soft, 537-538 monetary vs. nonmonetary, 264-266 more important, 16, 97, 99, 123, 414, 430, 451 perceived, 362 proxy, 174

attribute-task compatibility, 18, 192-219 comparable attributes, 193 enriched attributes, 193 vs. evaluability, 207-210 attribution theory, 432 auctions English clock, 9-10 multiperson, 258-261 second vs. second-to-last price, 10 axioms independence, 16, 34-35, 149-150, 154 preference invariance, 235 reduction principle, 16 transitivity, 7-8, 14, 16, 118, 147-150, 159, 183 Bayes' Theorem, 23, 261 B bid. See pricing BDM (Becker, deGroot, and Marschak) method, 8, 12, 70, 88, 149-150, 248, 262 behavioral economics, 5, 11-12, 690 bets. See gambles; lotteries between-subjects vs. within-subject, 17, 187-188, 238, 240, 242, 266-267, 280 bias distinction. See misprediction/mischoice diversification, 379 bidding. See preference reversal (PR); pricing binary choice, 83, 196, 414 binary vs. triadic choices, 224-229. See also adding options bounded rationality, 23, 323-324, 434 bracketing. See choice bracketing building code, 36, 37-38, 648-650 buying price. See pricing canonical representation, 337 cash equivalent. See pricing category/magnitude scale surveys, 584 category scales, 585, 586 certainty equivalence, 9, 81, 123, 125, 248. See also pricing certainty matching, 12 Change-of-Process Theory, 17, 20 changes, during decision making, 37. See also constraint-satisfaction; Diff Con theory choice accuracy vs. effort, 332-333, 338 as adaptive, 339 binary choice, 83, 196, 414 binary vs. triadic, 224–229 choice goals framework, 333-336

choice heuristics, 24

Cambridge University Press 978-0-521-83428-5 - The Construction of Preference Edited by Sarah Lichtenstein and Paul Slovic Index More information

Index 777

choice overload hypothesis, 25-26, 302, 311-318 choosing for others, 37-39 deferred, 228, 229, 230-231 economic theory of, 77-93 how much choice, 704-706 indifference in, 9, 59, 63, 81-82 limited vs. extensive, 300, 301-302 matching, 104, 105, 184-185 noncomparable, 327 perceptual approach to, 338 reason-based. See reason-based choice sticky choices, 695, 697, 707 tyranny of, 318 vs. matching, 96-97 choice bracketing, 27, 337, 372–395 broad, 372, 373 broad vs. narrow, 393-395 narrow, 372, 373, 380 vs. joint/separate evaluation, 375-376 vs. outcome editing, 375-376 choice-experience inconsistency, 526-527, 528-529. See also misprediction/ mischoice; miswanting choice partitioning. See choice bracketing; joint and separate evaluations, preference reversals between; outcome editing choice/ratings sensitivity, 212-214 choose vs. reject, 416-417 classical choice theory, 417. See also economic theory of choice classical conditioning, 29, 401-402 Coase theorem, 684 coercion, 692 cognitive dissonance, 367 cognitive effort vs. accuracy, 332-333, 338 cognitive inertia, 389-390 coherent arbitrariness, 25, 37, 246-270 anchors and, 251-254, 255-258, 261-264 contingent valuation and, 266-267 criminal deterrence and, 268-269 economic variables and, 269-270 financial markets and, 267 labor markets and, 267-268 market forces and, 258-261 nonmonetary, 250, 264-266, 613-614 welfare economics and, 270 comparative advantage model, 435 comparable vs. enriched attributes, 18, 199, 201-203 comparative valuation. See joint evaluation compatibility, 15, 104-106, 184

attribute-task. See attribute-task compatibility computer betting and, 16 effect on preference reversals, 15-16 prediction study example, 105 scale, 15-16 similarity study example, 105-106 strategy, 15-16 compensatory strategy, 328, 357, 358, 367 compromise effect, 14, 225-226, 228, 229 computational model, 220-234 binary/triadic choice and, 224-229 choice/prices reversals and, 229-231 neuroscience connection with, 232-233 lateral inhibition, 232-233 overview of, 220-221. See also decision field theory concave value functions, 606-608 concreteness principle, 640 conditioned/unconditioned stimulus, 466-467 conflict resolution, 27, 353-354 connectionist model, 221, 223, 235-236 consequentialist utility, 547, 549 consistent vs. selective processing, 327 consolidation. See Diff Con theory constraint-satisfaction, 24, 235-245, 358, 370 coherence shifts and, 240-244 multiattribute decision-making and, 236-240 constructed preference measures, 629-652 assessing effectiveness of, 633-635 constructive preferences and, 631-633 context matching and, 647 stable/coherent/known preferences, 630-631 stages of preference construction, 635-646 construction of preference. See preference construction constructive preference. See preference construction consumer choice, constructive, 323-341 adaptivity and, 339 choice goals framework for, 333-336 context matching for prediction, 340 decision strategies for, 327 combined, 330 elimination by aspects, 23, 82-83, 329, 335 equal weight, 329 good/bad features, 330 lexicographic, 328-329 majority of confirming dimensions, 329-330

Cambridge University Press 978-0-521-83428-5 - The Construction of Preference Edited by Sarah Lichtenstein and Paul Slovic Index More information

#### 778 Index

consumer choice, constructive (cont.) relational heuristics, 330-331 satisficing, 329 weighted adding, 21, 328, 335 decision tasks for, 326-327 factors influencing, 325. See also attribute-task compatibility consumer products, as preference reversal stimuli, 13 consumption utility, 549 context matching, 338-339, 340, 647 contingent model. See contingent weighting contingent trade-off. See contingent weighting contingent valuation (CV), 25, 32-34, 565-566, 661-662,680 anchor effects in, 698-699 attitude vs. economic preference in, 590-592 manipulation and, 38-39, 662 problems with, 33, 610. See also contingent valuation (CV), environmental preferences and; WTA; WTP contingent valuation (CV), environmental preferences and, 609-626 constructive nature of environmental preferences, 611-614 environmental-values-elicitation approach, 614-619 environmental-values-elicitation approach criterion, 617 federal law effect on, 609-610. See also multiattribute utility theory (MAUT), in resource valuations contingent weighting, 15, 17, 22, 95-121, 156 choice-matching discrepancy and, 102, 112, 119 invariance principle and, 119 lability of preferences and, 121 ordinal method of choice/cardinal method of matching and, 120 preference reversal application, 114-119 prominence hypothesis and, 120 real-world decisions and, 121 true preference and, 120-121. See also prominence hypothesis, tests of; prominence effect, theoretical analysis of contractual studies vs. gist studies, 660-662 controlled exposures, affect and, 437-438 subliminal priming paradigm, 438 counts, of good or bad features, 330 criminal deterrence, arbitrariness and, 268-269 cross-category stimuli (different categories), 13

cues, 4, 5, 27, 29, 47, 75-76, 87, 92-93, 197, 278, 406, 455 CV. See contingent valuation decision analysis, 36-37, 657-658 decision costs, 83-84 decision field theory (DFT), 18-19, 20, 221-224, 359 binary/triadic choices and, 226-228, 229 choice process in, 221-224 dynamic value-matching model in, 224 lateral inhibition in, 232-233 decision frames, 637-639. See also framing effects. decision making and action. See Search for Dominance Structure decision utility, 505 characteristics of carriers of utility, 490 framing effects, 490 loss aversion, 490, 491-492 vs. experienced utility, 31, 32, 452, 489-490, 493-496, 501-502, 542 vs. predicted utility, 31-32 defaults, 682-688 Libertarian paternalism and, 695, 696, 697 natural experiments to test power of, 683-685 organ donations and, 685-688 organ donor preferences and, 682-683 deferred choice option, 228, 229, 230-231 definite vs. disjunctive reasons, 424-428 deliberative model, of physician-patient relationship, 671, 672 description invariance, 14, 160. See also framing effects. design frames, inappropriate, 639 remedies, 639-640 DFT. See decision field theory Diff Con theory, 27, 35, 351, 356-371 compared with Search for Dominance Structure, 346, 351 decision-making levels in, 359-361 alternative-focused thinking, 360 attractiveness attributes/metastrategies, 360 goal conflicts, 360 recognition-primed decisions, 359-360 value-focused thinking, 360 framework for, 361-367 decision alternatives, 361-363 decision alternatives/goal elicitation/editing, 363 holistic differentiation, 364-365

Cambridge University Press 978-0-521-83428-5 - The Construction of Preference Edited by Sarah Lichtenstein and Paul Slovic Index More information

#### Index 779

post-decision consolidation, 364 process differentiation, 365 selecting reference/preliminary choice alternative, 364 structural differentiation, 365-366 overview of, 359 process perspective and, 358, 359-361, 367-370 different categories. See cross-category stimuli Differentiation and Consolidation. See Diff Con theory dimensional transition. See attribute-based vs. alternative-based dimensional vs. interdimensional. See attribute-based vs. alternative-based disjunctive vs. definite reasons, 424-428 dissonance theory, 432, 561 distinction bias. See misprediction/mischoice diversification bias, 379 dollar use, individual differences in, 586-587 dominance proportion, 440-443 as qualitative decision rule, 104 strict, 352 subjective, 350-351 dominance effect, 13 asymmetric, 14, 225, 226, 330, 422-423 constraint-satisfaction and, 240-244. See also Search for Dominance Structure dominance structuring, 435 Dominance theory, 361 double matching, 10, 13 dual indifference map induced by additive model, 109 induced by general model, 108 dual-process theory, 22, 28, 30, 435, 445 duplex bet. See duplex gamble duplex gamble, 4-6, 49 example of, 4, 43 duration neglect, 31, 498 dynamic inconsistency, 494 dynamic value matching, 224, 230-231 economic preference, 680-681. See also attitude vs. economic preference economics, neuro-/neural, 30 economic theory of choice, 77-93 BDM method in, 8, 12, 70, 88, 149-150, 248, 262 economic-theoretic hypotheses, 79-82 income effects, 81

indifference, 81–82 misspecified incentives, 79

strategic behavior theory and, 88-89, 90-91, 92. See also preference reversal, economist reaction to; psychological-theoretic hypotheses economic theory of labor supply, 386 economism, lay, 32, 533-537, 542-543 editing, 23, 358, 363 pre-editing, 343 effort-related goals, 333 effort vs. accuracy. See cognitive effort vs. accuracy elicitation, goal, 363 elicitation effects. See procedure invariance elimination by aspects, 23, 82-83, 329, 335 Ellsberg paradox, 487, 488 embedding design, 578 embedding problem. See scope insensitivity emotion, minimizing negative, 26, 274 endowment effect, 492-493, 494, 700-701 English clock auction, 9-10 enriched attributes vs. comparable attributes, 18, 199, 201–203 vs. impoverished options, 415-416 environmental preferences. See contingent valuation (CV), environmental preferences and equally attractive/equally valued options, 414, 430-432 equal weights, 21 ethics, of preference management, 38-39 EU. See expected utility EV. See expected value evaluability, 163, 250, 439-440 affective, 21. See also joint and separate evaluations evaluation factor in attitudes, 568-570, 571, 572 evaluation mode vs. evaluation scale, 17-18, 164 expected utility (EU), 21, 42, 52, 78 independence axiom of, 149-150, 154 expected value (EV), 42, 69 experienced utility, 493, 505 vs. decision utility, 31, 32, 452, 489-490, 493-496, 501-502, 542 expertise. See visual primes, effects on experts/novices explicit consent, 682 explicit list design, 578 expressed preference, 632 Expression Theory, 14-15, 16, 17, 19, 20, 118, 129, 131, 144-145 extensionality, 118-119, 488, 567-568 extension neglect, 573

Cambridge University Press 978-0-521-83428-5 - The Construction of Preference Edited by Sarah Lichtenstein and Paul Slovic Index More information

#### 780 Index

extremeness aversion, 423-424 eye fixation, 23 facts restructuring, 366 fairness/fair divisions, 14, 38-39, 388 fan effect, 406 file-drawer analogy, 6–7 financial markets, 267, 279 fMRI (functional magnetic resonance imagery), 30 focalism, 32 formal modeling vs. reason-based analysis, 411 - 413Four Queens Casino. See preference reversal (PR), in Las Vegas frames myopic decision, 637-639. See also framing effects framing effects, 14, 23, 358 consent and, 673-677 constructive consumer choice and, 336-337 decision theory and, 490 medical decisions and, 699-700 semantic, 402 violations of, 160 functionalism, lay, 32, 539-542 relationship with lay economism/ scientism, 541-542 gambles duplex, 4-6, 49 as multidimensional stimulus, 52-53 multi-outcome, 13 two-outcome, 41, 42 generalized utility model, 150 gestalt, 354, 355, 361 gist studies, 659, 660-662 vs. contractual studies, 660-662 goal-based strategy, 21, 333-336 attention/selectivity/perception in, 334-335 choice heuristics and, 335-336 consumer goals, 333-334 goal elicitation, 363 good or bad features, counts of, 330 habit formation, 384-385

happiness. See lay rationalism, in predicted experience vs. decision inconsistency; miswanting H bet. See P bet/H bet hedonic, 452 vs. utilitarian, 604. See also rationality assumption hedonic experience experienced utility and, 501-502 predicted utility and, 493-496 real-time/retrospective utility and, 496-500 heuristics, 611 affect-referral, 447 attitude, 447-448 choice, 24, 335-336, 390-391 judgment, 407 optimizing, 311 preexisting, 390–391 relational, 330-331 holistic differentiation, 351, 353, 364-365 hot vs. cold decisions, 547-549 hyperbolic discounting, 383 imagery, 30 image theory, 358 imaging the numerator, 445-447 immune neglect, 32, 558, 560 importance beliefs. See importance weights importance of attribute. See more important dimension importance weights, 41 important. See more important dimension imprinting effects, 470 incentive-compatible scheme, 272. See also BDM incentives, 84, 147, 150, 255, 278, 332, 386 misspecified, 7, 79 monetary, 115, 152-153, 632, 683. See also economic theory of choice income effects, 81 independence axiom, 16, 34-35, 149-150, 154independence of irrelevant alternatives, 419 indifference curves, 81 individual differences, 461-462, 586-587, 705 induced preferences, 438 information acquisition patterns, 125 information processing, 23, 41-42, 58, 83-84, 334-335 informed consent/construction of values, 38, 668-681 assumption of existing preferences, 672-674 consent as deliberative process, 674-677 perfect/imperfect/pure procedural values, 677-680 in physician-patient relationship, 670 promoting well-being/freedom, 669-670 regulatory decision making, 680-681 insensitivity to scope. See scope insensitivity instrumental value, 38

Cambridge University Press 978-0-521-83428-5 - The Construction of Preference Edited by Sarah Lichtenstein and Paul Slovic Index More information

#### Index 781

interattribute vs. within-attribute. See attribute-based vs. alternative-based interdimensional vs. dimensional. See attribute-based vs. alternative-based internal inconsistencies, 527 interpretive model, of physician-patient relationship, 671 interval scale, 620 intransitivity, 14, 118, 147-150, 159, 183 intrinsic value, 678-679 intuitive prediction, 573 invariance, 160, 235. See also procedure invariance isolation effect, 490 JE. See joint evaluation joint and separate evaluations, preference reversals between, 163-191 attribute evaluation and, 166-170 with dichotomous values, 172, 174-175 difficulty in, 172 easy- vs. difficult-to-evaluate attribute, 172 evaluability information, 167 neutral reference point knowledge and, 168-169 no evaluability information, 167-168 worst/best possible values and, 169, 170 difference from traditional preference reversal, 164 evaluability and JE/SE reversals, 173 evaluability/other explanations for preference reversal, 183-187 change-of-process theory, 185 choice-matching, 184-185 choice task/rating task, 186 compatibility principle, 184 P-bet/\$-bet, 183-184, 187 want/should proposition, 185 implications of, 187-191 ambiguity aversion, 188-189 gross insensitivity to important variables, 187-188 value of concern vs. proportion attribute, 188 JE vs. SE, 164-165, 189-191 real-life ramifications of, 163-164 review/explanation of JE/SE reversals, 176-183 from different categories, 180-183 from same category with explicit tradeoffs, 176-179 from same category without explicit tradeoffs, 179-180

joint evaluation (JE) decision vs. experienced utility and, 31 vs. separate evaluation, 17–18, 35. See also joint and separate evaluations, preference reversals between; misprediction/mischoice judgment by prototype, 572 judgment heuristics, 407 jury awards, 33, 415-416, 583-587 justification, 84, 544-545. See also reasons labile values, constructing preferences from, 653-667 adolescent decision making and, 665-666 decision theory research and, 657-658 environmental change and, 660-662 not knowing what one wants and, 654-655 psychophysics research and, 655-657 reactive measurement and, 658–660 contract studies, 659 gist studies, 659 imperfections in evaluation process, 660 sins of commission/omission, 658-659 success of evaluation process, 659-660 risk communication and, 662-664, 665. See also lability lability, 121, 398, 645, 707. See also labile values, constructing preferences from labor markets, 267-268 Las Vegas. See preference reversals (PRs) lateral inhibition, 19, 223, 232-233 lay rationalism, 31-32 as automatic, 543 manipulation for justification of, 544 medium maximization and, 527 priming role in, 543-544. See also lay rationalism, in predicted experience vs. decision inconsistency lay rationalism, in predicted experience vs. decision inconsistency, 532-549 consumption utility and, 549 hard vs. soft attribute study, 537-538 influences on. 545-547 medium effect, 546-547 prominence effect, 546 transaction utility theory, 546 underweighing hot factors/ overweighing cold factors, 547 lay economism role in, 533-535, 536-537, 542-543 lay functionalism role in, 539-540, 541-542 lay scientism role in, 537-538, 539 main proposition summary, 534 too hot/too cold decisions, 547-549

Cambridge University Press 978-0-521-83428-5 - The Construction of Preference Edited by Sarah Lichtenstein and Paul Slovic Index More information

#### 782 Index

L bet. See \$ bet levels of decision making, 359-361 alternative-focused thinking, 360 attractiveness attributes/metastrategies, 360 goal conflicts, 360 recognition-primed decisions, 359-360 value-focused thinking, 360 lexicographic strategy, 20-21, 83 lexicographic semiorder, 8-11, 83 as qualitative decision rule, 104 Libertarian paternalism, 39, 689-707 amount of choice to offer and, 704-706 absence/presence of informed preferences, 704-706 personal valuation of freedom of choice, 705-706 preference variation across individuals, 705 transparency of mapping options/preferences, 704-706 autonomy and, 692 determining choice by cost-benefit analysis, 702-703 by rules of thumb, 703-704 inevitability of paternalism, 694-702 government example, 696-700 savings/employers example, 695-696 misconceptions about paternalism, 691-692 objections to, 706-707 limitations, 706-707 mistrust of planner, 706 slippery slope argument, 706 overview of, 689-692 rationality of choices and, 692-694 reasons difficult to avoid effects on choice, 700-701 endowment effect, 700-701 ill-formed preferences, 701 inertia, 700 suggestion, 700 life values, 348, 349 Likert scale, 312, 313, 315 limited vs. extensive choice. See choice, limited vs. extensive linear regression models, 4-5, 45 loss aversion, 226, 380-381, 490, 491-492, 683 loss aversion coefficient, 491 lotteries multistage, 8 one-stage, 8, 150 preference reversals and, 11 two-stage, 8, 150

magnitude scaling, 584 without modulus, 585 majority of confirming dimensions, 329-330 mandated choice, 688 manipulation anchoring and, 141-143, 247-248 choice overload and, 316 CV studies and, 662 of overall attribute goodness, 238 visual primes and, 287-289, 292 mapping affective, 440, 441 preference, 644-646 biases in scale usage, 645-646 functional mapping representations, 398-399 scale compatibility influences, 644-645 market forces, coherent arbitrariness and, 258-261 market prices, 4, 12, 209, 210, 247, 248, 251, 259, 546, 613, 615 markets effect on preference reversals, 10 financial, 267, 279 labor, 267–268 multiattribute utility theory and, 624 social/market interaction, 281 matching cardinal, 120 certainty, 12 choice, 184-185 choice-matching discrepancy, 102, 104, 105, 112, 119 choice/prices and, 231 context, 338-339, 340, 647 double, 10, 13 dynamic value, 224, 230-231 probability, 12-13, 124 proportional, 15, 22 vs. choice, 96-97 MAUA. See multiattribute utility analysis MAUT. See multiattribute utility theory measurement reactive, 36-37, 653, 658-660. See also constructed preference measures measurement theory, 95 medical field, managing preferences in, 38 medium effect, 546-547 medium maximization/lay rationalism, 527 melioration, 384

memory

Cambridge University Press 978-0-521-83428-5 - The Construction of Preference Edited by Sarah Lichtenstein and Paul Slovic Index More information

#### Index 783

accessibility, 401-405 affect and, 457, 496-500 interference and inhibition, 404-405 interrogation, 400-401 reactivity, 402-403 structure, 405-407. See also memory processes, in preference construction memory processes, in preference construction, 397-409 functional mapping of preference representations, 398-399 preferences as memory (PAM) framework, 399-409 affect/memory in, 409 alternative theories and, 407-408 inference/inhibition, 404-405 interrogating memory, 400-401 levels of analysis in, 408-409 memory accessibility, 401-405 priming, 401-402 reactivity, 402-403 reactivity, long-term effects of, 403 reactivity, short-term effects of, 402-403 structure of representations, 405-407 significance/implications/applications, 409 mere exposure, 29, 36, 437, 464-470, 494 absence of aversive events as unconditioned stimulus, 466-467 affect/cognition independence and, 468-470 consequences of, 469-470 diverse stimuli as exposure condition function, 468 overview of, 464-465 repeated experiences as positive affect source, 467-469 subliminal induction and, 466 mere repeated exposure. See mere exposure metagoals, 333-334 microlevel analysis. See computational model mind-set theory, 345-346 minimizing effort, 361 minimizing negative emotion, 26, 274 mischoice. See misprediction/mischoice misprediction/mischoice, 31, 504-531 causes of, 505-506 distinction bias, 508-515 diversity and, 378-379 joint vs. separate evaluations as cause, 505-506 general theory, 506–508

mischoice, 515-525 choice-experience inconsistency, 526-527 improving predictions/decisions, 528-529 lay rationalism/medium maximization, 527 other evidence for mischoice, 524-525 relationship with evaluability, 525 misspecified incentives, 7, 79 miswanting, 30-32, 37, 550-563 causes of, 32 fundamentals of, 551-554 imaging wrong events, 551-552 misinterpreting feelings, 553-554 using wrong theory, 552-553 liking vs. wanting and, 550-551 over time, 555-562 focalism role in, 556-557 immune neglect role in, 558, 560 thinking/feeling and, 554-555 monetary bet study, 151-157 bets. 151 discussion, 153-155 distribution of response patterns, 161 results, 152-153, 154, 161 monetary incentives, 115, 152-153, 632, 683 money pump (arbitrage), 10-11 more important dimension, 16, 97, 99, 123, 414, 430, 451 motivated bracketing, 391, 394 motivational consequences, of choice, 302 Mouselab software, 126, 128 multiattribute utility analysis (MAUA), 643–644. See also multiattribute utility theory (MAUT), in resource valuations multiattribute utility theory (MAUT), in resource valuations, 619-626 advantages/disadvantages of MAUT/CV, 623-626 accommodation/multidimensionality of value, 623 asks right questions, 624 cost, 626 excludes irrelevancies, 624 flexibility in changing circumstances, 625 lessens embedding problem, 624-625 minimizes response refusals, 623-624 separates facts/values, 624 suitability for construction, 625-626 proposed approach for MAUT/CV, 619-620, 623 assess utilities, 622 calculate total value, 622

Cambridge University Press 978-0-521-83428-5 - The Construction of Preference Edited by Sarah Lichtenstein and Paul Slovic Index More information

#### 784 Index

multiattribute utility theory (MAUT) (cont.) perform sensitivity analysis, 622-623 structure problem, 620-622 multiple-stimulus. See joint evaluation multistage lottery, 8 myopic decision frames, 637 remedies for, 637-639 myopic loss aversion, 381 naturalistic decision making, 353-354 negative valence, 223 neuromarketing, 30 neuro-/neural economics, 30 neuroscience, 19, 30, 232-233 noncomparable choice, 327 nonmatrix representations, 361-362 nonreversible decisions, 35 nonvalued features, 429-430 norm theory, 181-182, 579-583 nuclear power, 439, 446 on-line recommendation agents, 38-39 optimization, 7, 77-78, 93, 160, 191, 310, 316-317, 387, 490 optimizing heuristic, 311 optimizing vs. satisficing, 313, 316-317 opt in vs. opt out, 39, 685-688, 694-696 ordinal/cardinal, 123 ordinal pricing, 12, 150 ordinal utility, 270 ordinal vs. cardinal arguments, 104 organ donors, 39, 682-683, 685-688 organ donor preferences, 682-683 outcome editing, 375–376 outcome transition, 128 outrage model, 572 overprediction, 508-515 overpricing, 16, 148-149, 154, 158, 159-160 overweighing cold factors/underweighing hot factors, 547 pain, 250, 498–500 paired comparisons. See joint evaluation paired stimuli. See joint evaluation PAM. See preferences as memory (PAM) paternalism in physician-patient relationship, 671 in preference measurement, 651. See also Libertarian Paternalism patient decision making, 369 P bet/H bet, 9, 11, 20-22, 56, 58, 69, 74-75, 77-92, 123, 124-143, 146-158, 160, 229-231,675 Peak & End rule, 497-498, 499, 502

peanuts effect, 383-384 perfect procedural value, 677 political campaign, managing preferences in, 38-39 positive valence, 223 post-decision processes, 359-361. See also Diff Con theory pre-decision processes, 359-361, 368. See also editing predicted utility, 31, 409, 490, 493-496, 505 vs. decision utility, 31-32 pre-editing, 343 preexisting heuristics, 390-391 preference, 39-40 economic, 680-681. See also attitude vs. economic preference expressed, 632 lability. See labile values, constructing preferences from preference as memory. See preferences as memory revealed, 270, 401 "true," 84, 270 variability in, 2. See also preference construction; preference management; preference reversal preference construction, 434 antecedents to, 22-24 bounded rationality, 23 choice heuristics, 24 choice rules studies, 23 file-drawer analogy, 22 information processing studies, 23 judgment studies, 22 memory studies, 22 Prospect theory, 23 traditional utility theory, 23 violation of procedure invariance, 24 characteristics of problems needing, 1-2 numerical responses, 1, 2 tradeoffs. See tradeoffs unfamiliarity, 1, 40 evidence of, 24-26 theories of, 26-28. See also constructed preference measures; consumer choice, constructive; memory processes, in preference construction preference elicitation. See labile values, constructing preferences from preference management, 34-39 of other people, 37-39 ethics of preference management, 38-39 inevitable preference management, 39 own preferences, 34-36

Cambridge University Press 978-0-521-83428-5 - The Construction of Preference Edited by Sarah Lichtenstein and Paul Slovic Index More information

Index 785

tools for, 36-37 change during decision process, 37 coherent arbitrariness, 37 miswanting, 37 preference reversal (PR) axiom violations, 16, 147-150 beginnings of, 4-6 blossoming of, 12-14 causes of. See also theories of anchoring and adjustment, 16, 20-22, 83-84, 113-114, 123, 129, 131, 230-231 cognitive processes, 123-124 economist acceptance of, 5, 11–12 economist reaction to, 6-12 auctions, 9-10 axiom violations, 16, 147-150, 154, 159 choice indifference points, 9 explaining away, 8-11, 16 two-stage game, 10 eliminating preference reversals, 10, 203-205 expected utility and, 52 in Las Vegas, 6, 7, 69-76 preference-with-error hypothesis, 8-9, 11 procedure invariance, 14, 147-150 reversals-with-error hypothesis, 9 theories of, 14-22 attribute-task compatibility, 18, 192-219 Change-of-Process theory, 17 comparable vs. enriched attributes, 18 compatibility, 15-16, 97, 104-106, 123-124, 155-157, 184 contingent weighting. See contingent weighting decision field theory. See decision field theory evaluability, 21, 163, 250, 439-440 Expression theory, 14-15, 124 prominence effect, 15, 16-17, 112 separate vs. joint evaluation, 17-18, 163-191 type of adding deferred option, 226–229 adding third option, 225 BDM method, 8, 12, 70, 88, 149-150, 248, 262 buying vs. selling, 12, 13, 14-17, 38, 39 choice vs. pricing, 5-6, 9, 124-135 choosing vs. rejecting, 28, 416-417 consumer products, 13, 178, 192-219 cross category, 13, 705 dominance, 13 framing effects. See framing effects gambles. See gambles

in judgment, 14 matching. See matching price comparisons, 15 rating vs. choice, 186, 212-214 rating vs. pricing, 5, 11-12, 15, 17, 123, 135-141 time preferences. See time preferences study time limits, 14 preferences as memory (PAM), 28, 399-409 affect/memory in, 409 alternative theories and, 407-408 inference/inhibition, 404-405 interrogating memory, 400-401 levels of analysis in, 408-409 memory accessibility, 401-405 priming, 401-402 reactivity, 402-403 structure of representations, 405-407 presumed consent, 682 price/brand quality, 199-200 pricing anchoring and adjustment (See anchoring and adjustment) BDM. See BDM (Becker, deGroot, and Marschak) method buying prices B bids, 52, 58, 63 vs. selling prices, 12, 13, 14-17, 38, 39, 56 WTP prices, 165, 175, 178, 179, 187 as certainty matching, 12 cognitive processes in, 124-141 decision field theory and. See decision field theory ordinal, 12, 150 overpricing, 16, 148-149, 154, 158, 159-160 as plain choice task, 9 price comparisons, 15 selling prices, 4-6, 9, 81, 82, 87-88, 92, 125-126, 146, 147-150, 155, 156, 231. See also BDM bids to sell (S bids), 50, 52, 54-56 elicitation not relying on independence axiom, 150 vs. choice, 5-6, 9 cognitive processes in, 124-135 vs. rating, 5, 11-12, 15, 17, 123 cognitive processes in, 135-141 priming by anchor/form of question asked, 25 priming task study, 596-598 semantic, 283

Cambridge University Press 978-0-521-83428-5 - The Construction of Preference Edited by Sarah Lichtenstein and Paul Slovic Index More information

#### 786 Index

priming (Cont.) subliminal priming paradigm, 438. See also visual primes, effects on experts/novices prisoner's dilemma, 428 probabilities vs. payoffs, 124 probability affect and, 445–447 insensitivity to, 443-445 probability matching, 12-13, 124 probability preferences, 23, 43 problem restructuring, 366 procedure invariance, 14, 16, 24, 95–96, 97, 122 violations of, 102, 104, 105, 112, 119, 160 process change-of-process theory, 185 complexity of valuation process, 604-605 consistent vs. selective, 327 differential attribute processing, 210-212 dual-process theory, 22, 28, 30, 435, 445 information, 23, 41-42, 58, 83-84, 334-335 two-stage model, 5, 11-12 vs. structural approach, 356-358 process differentiation, 351-352 process model, two-stage, 5, 11-12 process tracing, 357. See also Mouselab; think-aloud prominence effect, 15, 16-17, 19, 20-21, 97, 123, 349-350 lay rationalism and, 546. See also contingent weighting prominence effect, theoretical analysis of, 112 compatibility principle, 104-106 contingent trade-off models, 106-112 additive model, 108, 109 general model, 106-107, 108 hierarchy of, 111 interlocking condition, 109-111 linear model, 111 proportional model, 107, 111 weighting model, 108-112 prominence hypothesis, tests of, 104 promising alternative, 347 proportional matching, 15, 22 proportion dominance, 440-443 Prospect theory, 23, 477-482, 658, 674-677 proxy attribute, 174 psychological immune system, 558 psychological-theoretic hypotheses, 82-84 elimination by aspects, 23, 82-83, 329, 335 information-processing decision costs, 83-84

response mode/easy justification, 84 information-processing, decision costs, 83-84 information-processing, response mode/easy justification, 84 lexicographic semiorder, 83 probabilities, 82 strategic responses, 82 psychophysical numbing, 451 psychophysics of valuation, 583-587 category/magnitude scale surveys, 584 dollar responses vs. category scales, 585, 586 improving statistical efficiency, 586 individual differences dollar use, 586-587 magnitude scaling, 584 magnitude scaling, without modulus, 585 psychophysics research, 655-657 public decisions. See public policy public policy, 35 managing preferences of other people and, 37-38 punitive damages, 442, 592 purchase likelihood rating, 197-198, 205-206, 207-212 purchasing behavior choice overload hypothesis, 318 pure procedural value, 38, 677-678 qualitative/quantitative differences, 104 quantity design, 574-575 race-to-threshold stopping rule, 222 random lottery selection, 8 ratings attractiveness, 4-6, 9, 13, 52, 304-305, 357-358 Likert scale, 312, 313, 315 purchase likelihood, 13, 305 strength of preference, 44 rationality bounded, 23, 323-324, 434 just to make oneself look rational, 68 logical, 30-31 substantive, 31. See also lay rationalism; rationality assumption rationality assumption, 487-503 challenges to, 487-488 decision utility characteristics, 490-493 carriers of utility, 490 framing effects, 490 loss aversion, 490, 491-492 general discussion, 500-503 multiple notions of utility and, 489-490

Cambridge University Press 978-0-521-83428-5 - The Construction of Preference Edited by Sarah Lichtenstein and Paul Slovic Index More information

#### Index 787

predicted utility, 493-496 real-time/retrospective utility, 496-500 substantive criteria of rationality, 487 utility concept and experienced/decision utility, 489-490, 493-496, 501-502 predicted utility, 490 rational optimization, 310 rational theory of choice, invariance principle in, 119, 417 ratio scaling, 265 reactive measurement, 36-37, 653, 658-660 real-time utility, 496–500 Reappearance hypothesis, 22 reason-based choice, 13, 29-30, 411-432 advantages of, 413 choice under conflict extremeness aversion and, 423-424 option adding and, 419-424 option seeking and, 419 regularity condition and, 420-423 definite vs. disjunctive reasons, 424-428 equally attractive options, 414, 430-432 nonvalued features, 429-430 pro/con, 417 binary choice, 414 choice-reject, 416-417 enriched vs. impoverish option, 415-416 reasons reducing post-choice satisfaction, 471-485 art poster study, 474-485 moderating effects of art knowledge, 480-481, 482 post-choice satisfaction, 477-479 reduction principle, 16 regret, 7-8, 21, 159 regulatory condition, 420-423 Reidemeister condition, 109 reject vs. choose, 28, 416-417 relational heuristics, 330–331 relative vs. absolute risk, 188 repetitive/nonrepetitive tasks, 370 required active choosing, 696 response modes, 122-123 BDM method, 8, 12, 70, 88, 149-150, 248, 262 bidding. See pricing certainty equivalence, 9, 81, 123, 125, 248 certainty matching, 12 choice binary vs. triadic, 224-229 indifference, 9, 59, 63, 81-82 paired comparison. See joint evaluation probability matching, 12-13, 124

rating of attractiveness, 4-6, 9, 13, 52, 357-358 of purchase likelihood, 197-198, 205-206, 207-212 reject, 28, 416-417 strategic, 82. See also WTA; WTP retrospective utility, 496-500 revealed preference, 270, 401 reversals-with-error hypothesis, 9-10 risk aggregation, 380-381 risk as feelings hypothesis, 445 risk aversion, 373-374 risks and benefits, affect in judgments of, 29, 442, 444, 445, 446 risky decisions, 41-50 descriptive theories/constructs for, 43 expected utility, 42 expected value, 42 subjectively expected utility, 42-43 variance preferences, 43 duplex gamble experiment, 49 importance beliefs and, 41 information-processing considerations, 41 - 42salami tactic, 394 satisficing, 21, 23, 34, 42, 329 vs. optimizing, 313, 316-317 S bids, 52, 56 scale compatibility, 15-16, 19-20, 194-195 scenario generation, 638 scientism, lay, 32, 537-539 hard vs. soft attribute study, 537-538 medium effect and, 546-547 scope insensitivity, 33, 266-267, 390 embedding problem and, 614 scope/value. See subjective value screening, 363 SDS. See search for dominance SE. See separate evaluation Search for Dominance Structure (SDS), 21, 27, 342-355 acting/deciding relationship, 354-355 compared with other decision making approaches, 351-354 dominance-structuring operations, 348 empirical validity of, 351 dominance structure existence, 347-348 dominance-structuring operations, 348-349 dominance violations/dominance structuring, 350-351 pre-editing, 346-347

Cambridge University Press 978-0-521-83428-5 - The Construction of Preference Edited by Sarah Lichtenstein and Paul Slovic Index More information

#### 788 Index

Search for Dominance Structure (cont.) preferences vs. choices, 349-350 promising alternative, finding/defending, 347 theory behind, 346 action and, 345 decision making phases in, 343-345 dominance structuring, 345, 351 dominance testing, 343-345, 351 finding-a-promising-alternative, 343 pre-editing, 343 mind-set theory and, 345-346 second-price auction, 10 second-to-last price auction, 10 selective vs. consistent processing, 327 self-control, 383, 392, 394 self-perception, 432 selling price. See pricing semantic differential, 402, 568-569, 571 semantic priming, 283 sensitivity analysis, 35, 646 sensitivity to scope. See scope insensitivity separate evaluation (SE), 164 single- vs. paired-stimulus reversals and, 13 vs. joint evaluation, 17-18, 31, 35. See also joint and separate evaluations, preference reversals between; misprediction/mischoice separate-evaluation task, 206-207 sequential processing, 357 sequential sampling, 12, 222 similarity effect, 14, 224-225 single-stimulus. See separate evaluation sins of commission vs. omission, 37, 658-659 slippery slope, 706 smoking, cigarette, 29, 373, 383, 450, 451-452 somatic markers, 436-437, 455 SSB model, 159 standard theory of rational choice. See utility theory starting point and adjustment. See anchoring and adjustment statistical efficiency, improving, 586 status quo bias, 417, 420, 695 stimuli conditioned/unconditioned, 466-467 consumer products, 13 cross-category, 13 diverse, and mere exposure, 468 judgment, 14 preference, 13 single-stimulus. See separate evaluation unique features, 201-202, 209, 211-212

stimulus-based choice, 282 stimulus complexity, 23 stochastic transivity, 83-84 strategic behavior theory, 88-89, 90-91, 92 strategic responses, 82 strategy compatibility, 15-16, 195 strict dominance, 352 structural differentiation, 352 structural vs. process approach, 356-358 subjective dominance, 350-351, 352 subjective likelihood. See subjective probability subjectively expected utility (SEU), 42-43, 63 subjective probability, 49, 50 subjective value, 594-608 complexity of valuation process, 604-605 concavity and, 606-608 crossover notion and, 596 influence on probability weighting, 605-606 priming task study, 596–598 scope neglect and, 603-604 scope sensitivity/insensitivity study, 598-600 on criminal justice, 602-603 on music book vs. cash, 598-600 on zoology, 600-602 valuation by calculation vs. feeling, 594-596 subjective worth. See subjective value subsequent satisfaction, choice overload hypothesis and, 317-318 substantive inconsistencies, 527 substantive rationality, 31 sunk-cost fallacy, 548 SWTP (stated willingness to pay), 32, 565-566 taste, changes in, 377, 384-385 temporal bracketing, 374 temporal discounting, 407-408 temporal integration, 497 temporal monotonicity, 497, 498-500 think-aloud, 205-206, 207, 348, 349, 350, 355. See also process tracing think-aloud protocols, 205-207 strength of preference and, 205-206 threshold bound, in decision process, 221-222 time as attribute, 13 miswanting over time, 555–562 preferences over time, 336, 337 temporal bracketing, 374 time contraction, 337 time limited in making decision, 14

time pressure, 23, 445

Cambridge University Press 978-0-521-83428-5 - The Construction of Preference Edited by Sarah Lichtenstein and Paul Slovic Index More information

#### Index 789

time preferences study, 157-158 distribution of response patterns, 159, 161 options used in, 158 "Tom's law." See value construction tradeoff models, contingent, 106-112 additive, 108, 109 general, 106-107, 108 hierarchy of, 111 interlocking condition, 109-111 linear, 111 proportional, 107, 111 weighting, 108–112 tradeoffs, 1, 2, 326-327, 328, 330, 337, 377-378, 385-388, 423-424, 683 across purchase categories, 387-388 avoidance, 643-644 fair divisions, 388 joint/separate evaluations, 176-180 labor/leisure, 386-387 protective values and, 651 transaction utility theory, 546 transitions. See attribute-based vs. alternative-based transitivity axiom, 7-8, 16 triangulation, 658 triple cancellation, 109 "true" preference, 84, 270 two-stage process model, 5, 11-12 ultimatum game, 14 underpricing, 115, 148-149, 153, 154, 158 underweighing hot factors/overweighing cold factors, 547 unique features. See stimuli, unique features utility carriers of, 490 consequentialist, 547, 549 consumption, 549 decision, 31-32, 452, 490-493, 505, 542, 549 expected, 21, 42, 52, 78 experienced, 31, 32, 452, 489-490, 493-496, 501-502, 542 generalized model, 150 multiattribute, 643-644. See also multiattribute utility theory (MAUT), in resource valuations multiple notions of, 489-490 ordinal, 270 predicted, 12, 31-32, 409, 490, 493-496, 505 real-time, 496-500 retrospective, 496-500 subjectively expected, 42-43, 63, 356-357 transaction utility theory, 546

weighted, 223 utility functions, 15, 83, 108, 373, 515-516 utility maximization, 8-9, 23, 373, 401, 434, 631 utility theory gambling decisions and, 52 independence axiom and, 34-35 main theorem of, 673 traditional, 7-8 valence, 223 validity concurrent, 614-616 construct, 615 predictive, 615 valuation, 567-568 affective, 565, 567-568 comparative valuation. See joint evaluation economic, 246-247 by feeling vs. by calculation, 33 psychophysics of, 583-587 valuation, by prototype/scope of problem, 572-579 extension neglect, 575-578 insensitivity to scope, 574-575 judgment by prototype/extension neglect, 572-574 testing sensitivity to scope, 578-579 value See also informed consent/construction of values concave value functions, 606-608 dynamic value matching, 224, 230-231 expected, 42 fundamental, 12, 25, 246-247, 280-281, 638-639 holistic vs. separate, 613 imperfect procedural, 678 instrumental, 38, 678 intrinsic, 678-679 life values, 348, 349 multidimensionality of values, 616-617, 623 perfect procedural, 677 protected, 651 pure procedural, 38, 677-678 subjective. See subjective value value construction, 271-281 coherent arbitrariness and, 271-273 economics research and, 279-281 factors affecting coherence/arbitrariness, 278-279 financial markets and, 279 social/market interaction and, 281 Tom's law and, 271, 273

Cambridge University Press 978-0-521-83428-5 - The Construction of Preference Edited by Sarah Lichtenstein and Paul Slovic Index More information

#### 790 Index

value maximization, 419, 420 variance preferences, 23, 43 verbal protocols. See think-aloud visual primes, effects on experts/novices, 282-299 effect on information search, 298 attribute weights/product ratings and, 297 choice/constant sum and, 292-293 demand characteristics and, 297 mediating role of search and, 295-297 moderating role of expertise and, 295, 296 search/looking time and, 293-294 effect on preference/choice and expertise moderation of effect, 290 familiarity concept, 283 memory-based choice, 282 stimulus-based choice, 282 theoretical background on priming, 285 categorical priming, 283 feature priming, 283 moderating effects by consumer level of expertise, 283-284 moderating role of expertise, 284-285 priming/expertise/search interaction, 285

priming influence on choice, 283-284 semantic priming, 283 wallpaper as prime, 25, 35–36, 402 voluntary vs. involuntary attitude, 334-335, 337 wallpaper, as prime, 25, 35-36, 402 want/should proposition, 185 Web shopping. See visual primes, effects on experts/novices weighted adding strategy, 21, 328, 335 welfare economics, 270 willingness to accept. See WTA willingness to pay. See WTP within-attribute vs. interattribute. See attribute-based vs. alternative-based within-subject. See between-subjects word-association technique, 439 WTA (willingness to accept), 33 vs. WTP, 615. See also coherent arbitrariness WTP (willingness to pay), 32, 33-34 anchoring and, 248, 249-250 dollar/rating responses and, 612 JE/SE preference reversals and, 165, 175, 178, 179, 187 preference reversals and, 612 stated willingness to pay, 32, 565–566 vs. WTA, 615. See also attitude vs. economic preference; contingent valuation