

Index

- Abrahamsen, A.A., 242, 244
 Adams, E.W., 272, 278, 280, 281, 283, 295, 298
 Adolphs, R., 305, 324
 Aguilar, C.M., 141, 163
 Ahn, W., 86, 111, 113, 139, 163, 241, 244
 Alfonso-Reese, L.A., 173, 201
 Algebra and mathematical induction, 259–60
 Allen, J.L., 305, 325
 Analogical reasoning, 50, 230, 240–241, 243
 Anderson, A.R., 297, 298
 Anderson, J.R., 134, 169, 197, 198, 201, 206, 207, 212, 219, 220, 222, 224, 261, 262, 264, 268, 280, 298
 Andrews, G., 50, 52
 Anggoro, F., 64, 78
 Argument from ignorance, 272, 290–294, 296
 Argument strength,
 and AI knowledge representation, 297
 and certainty, 5
 and informal reasoning fallacies, 290–294
 and likelihood ratio, 287–288
 measures of, 5, 286–290
 Aristotle, 273, 290
 Artificial categories, 208–210
 Artificial expert systems, 152, 161–163
 Asgharbeygi, N., 230, 246
 Ashby, F.G., 173, 201
 Asher, S.J., 170, 173, 193, 202
 Asmuth, J., 22, 266, 268, 328, 329
 Asymmetries in conditional inference, 283–286
 Asymmetries in similarity judgment, 141
 Asymmetries of projection, 55–78, 141, 172, 184
 Atran, S., 16, 24, 32, 51, 55, 57, 60, 61, 66, 71, 78, 79, 96, 103, 111, 112, 123, 124, 135, 138, 139, 140, 164, 165, 179, 180, 183, 201, 310, 326
 Attribution, 231
 Availability, 114–134
 Bacon, F., 12, 22
 Baer, L., 55, 80
 Bailenson, J.N., 96, 111
 Baillargeon, R., 80, 215, 224, 235, 244
 Baker, A., 122, 134, 135
 Baldwin, D.A., 26, 42, 51, 115, 131, 132, 135
 Baraff, E., 115, 124, 126, 135, 136, 194, 203
 Barbey, A.K., 332, 341
 Barsalou, L.W., 59, 78, 131, 132, 135, 138, 163
 Barston, J.L., 303, 304, 325
 Base rate neglect, 211, 332
 Basic level categories, 29, 103
 Batsell, R.L., 154, 163
 Bauer, P., 29, 42, 51
 Bay, S., 230, 246
 Bayesian approach,
 and normative justification, 329–331
 to belief updating in conditional reasoning, 285–286
 to deductive reasoning, 8
 to evidential diversity, 14, 21
 to inductive reasoning, 21–22, 45–46, 110–111, 167–200, 206–207, 218–223, 313, 318–321
 to informal reasoning fallacies, 290–294
 Bayesian networks, 187, 230
 Bayes' rule, 177
 Bayindir, H., 290, 293, 294, 299
 Bechara, A., 305, 324
 Bechtel, W., 242, 244
 Belief bias, 303–306

Cambridge University Press

978-0-521-85648-5 - Inductive Reasoning: Experimental, Developmental, and Computational Approaches

Edited by Aidan Feeney and Evan Heit

Index

[More information](#)

346

Index

- Belnap, N.D., 297, 298
 Bennett, J., 278, 279, 280, 281, 298
 Beveridge, M., 305, 325
 Bishop, C.M., 233, 246
 Bishop, Y.M.M., 286, 298
 Blake, R.M., 229, 245
 Blanchette, I., 240, 245
 Blok, S.V., 22, 63, 78, 164, 334
 Bloom, P., 55, 78, 107, 112,
 Bloomfield, A., 266, 268
 Blum, B., 197, 204
 Bodenhausen, G.V., 215, 224
 Bonawitz, E.B., 194, 201, 203
 Bonini, N., 138, 145, 165
 Booth, A.E., 30, 51
 Bott, L., 132, 135
 Bottom-up approaches to development of
 induction, 48–49
 Boyer, 27, 49, 51
 Boyes-Braem, P., 31, 53, 103, 113
 Bradshaw, G., 230, 246
 Brenner, D., 154, 163
 Brooks, L.R., 222, 224
 Brown, A.L., 37, 43, 44, 52
 Bruner, J.S., 26, 51
 Budescu, D.V., 276, 301
 Burnett, R.C., 230, 241, 246
 Byrne, R.M.J., 261, 267, 269, 289, 299
- Callanan, M., 33, 37, 43, 53
 Cannon, I., 151, 164
 Capon, A., 305, 325
 Cappa, S., 10, 24, 248, 268, 297, 300
 Caramazza, S., 192, 202
 Carey, S., 17, 18, 22, 25, 28, 30, 31, 33, 42, 43,
 51, 55, 56, 57, 58, 60, 61, 67, 68, 69, 70,
 78, 79, 151, 164, 168, 170, 187, 192, 201
 Carnap, R., 13, 22, 310, 324
 Carpenter, P.A., 305, 324
 Casey, K.L., 37, 52, 55, 78
 Casler, K., 37, 43, 44
 Category-based conjunction fallacy, 120–121,
 318–321
 Category coherence, 84, 102–107
 in children, 102
 relation to taxonomic hierarchy, 103
 Cattell, R.B., 305, 326
 Causal knowledge,
 and induction, 38–40, 81–111, 139,
 151–152, 172, 174, 184–185, 194–197,
 338–341
 effects of,
 in adults, 38–40, 69, 196–197, 223,
 319–321, 333–334, 338–339
 in children, 26, 38–40, 43, 66–67,
 experimentally provided, 86–95, 97–107,
 pre-existing, 84–85, 96–97, 102–103
 Causal reasoning,
 and abduction, 228, 230, 234–237, 241
 and induction, 81–111, 127,
 Causal structures, 104–107, 110
 chain network structure, 105–107
 common cause structure, 104–107
 common effect structure, 105–107
 see also, causal transmission model
 Causal transmission model, 184–185, 194–197
 Caverni, J.P., 8, 24, 270, 294, 298, 321, 325
 Chan, D., 280, 298
 Charniak, E., 229, 245
 Chater, N., 6, 8, 22, 23, 24, 52, 169, 197, 201,
 203, 269, 270, 271, 273, 274, 280, 283,
 284, 285, 286, 287, 288, 295, 297, 298,
 299, 300, 301, 307, 308, 325, 326, 331,
 342
 Cheng, P.W., 89, 112, 230, 246, 307, 325
 Children's mathematical induction, 258
 Children's reasoning
 about artefacts, 29, 216
 about cross-classified categories, 118
 about multiple versus single premise
 arguments, 26, 32–35
 about social categories, 29
 biasing effects of belief on, 305
 effects of knowledge on, 31–32, 49–50, 59,
 61, 69, 118–119, 127–128
 effects of labels on, 27–30, 42
 effects of properties on, 35–38, 118–119
 role of category coherence in, 102
 role of hierarchical structure in, 26, 31–32,
 45
 role of perceptual similarity in, 26–27
 role of taxonomic relations in, 27–30,
 118–119
 with diverse evidence, 17–19
 Chin-Parker, S., 215, 225
 Choi, I., 118, 124, 125, 127, 135
 Chua, F., 280, 293
 Churchland, P. M., 238, 245
 Circularity, 272,
 Claire, T., 227, 245
 Clark, K.L., 294, 298
 Cohen, C., 273, 298

Cambridge University Press

978-0-521-85648-5 - Inductive Reasoning: Experimental, Developmental, and Computational Approaches

Edited by Aidan Feeney and Evan Heit

Index

[More information](#)

Index

347

- Cohen, L.J., 163, 164, 308, 325
Coleman, D., 163, 164
Coley, J.D., 16, 22, 24, 28, 29, 31, 32, 38, 42, 43, 45, 46, 51, 55, 57, 60, 66, 67, 68, 69, 70, 71, 79, 96, 103, 109, 110, 111, 112, 113, 115, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 197, 130, 131, 132, 133, 134, 135, 136, 138, 139, 140, 164, 165, 172, 194, 197, 200, 201, 202, 203, 216, 222, 223, 225, 305, 309, 310, 312, 319, 320, 326, 327, 336, 338, 339
Collin, A., 63, 78
Comparison processes, 60, 63, 66, 73–78, 109
Computational-level accounts of induction, 169, 187, 331–332
Confirmation, 145
Connectionist models, 174–175
 see also Feature-based model
Conclusion homogeneity effect, 42
Conceptual development, 57, 168
Conditional probability and inductive reasoning, 137–163
Conditionals and conditional probability, 269–270, 278–290
Conjunction fallacy, 137, 303, 319–321, 332
 see also category-based conjunction fallacy
Counterexamples and mathematical induction, 264–265
Copi, I.M., 273, 298
Corballis, P.M., 236, 245
Corner, A., 286, 287, 288, 290, 299
Cosmides, L., 307, 325
Cox, J.A., 276, 300
Craver, C.F., 242, 246
Cresswell, M.J., 278, 299
Criterion-shift account of reasoning, 9
Cross-classification and induction, 118, 215–218, 318
Cross-cultural studies of induction, 16, 56, 64, 69–75, 96, 103, 120, 123–125, 127–128, 310
Crivello, F., 240, 245
Crupi, V., 145, 165
Curtis-Holmes, J., 305, 325
Damasio, A.R., 240, 245, 305, 325
Damasio, H., 305, 325
Darden, L., 229, 242, 245, 246
Davidson, N.S., 29, 42, 51
Dawes, R., 160, 164
Day, R.S., 115, 134, 135
Deak, G.O., 42, 51
Dedekind, R., 252, 254, 255, 267
Dedekind-Peano axioms, 252
Deductive correctness, 277–280
Deductive logics, 277–278
Deductive reasoning, 226, 240
 its relation to inductive reasoning, 1, 2–11, 263–267, 269–298, 321–323, 328–329
 the problem view, 2–7
 the process view, 2, 7–11
Deductive validity, 4, 8
 and certainty, 4–5
Dennis, M.J., 86, 111
Dennis, I., 305, 325
Detterman, D.K., 306, 325
De Ruyter van Steveninck, 233, 246
Dhami, M.K., 276, 293, 298
Diagnostic reasoning, 88–89
Diagrams and mathematical induction, 261–263
Diesendruck, G., 29, 51
Discovery-based learning, 230
Diversity effects
 in adults, 16, 32, 96, 98–100, 171–172, 180, 191–192, 309–317
 in children, 17–19, 32–35, 42–43, 311, 315
Diversity principle, 11–22, 139, 143
 eliminative justification for, 14
 normative considerations, 13–15, 310
Dolan, R.J., 240, 245, 305, 325
Domain specificity,
 emergence of, 37–38, 57, 60
 in theories of induction, 110–111, 115, 167–170, 330–331, 333, 341
Donahue, E., 160, 164
Dougherty, M. R. P., 337, 341
Dual-process theories, 7–11, 303–308, 310–317, 321–324, 334–335, 341
Ducasse, C.J., 229, 245
Dunbar, K.N., 230, 236, 240, 245
Dunning, D., 319, 321, 322, 323, 325
Earman, 14, 22
ECHO model, 238
Ecological reasoning, 38, 69, 71–72, 77, 110–111, 114, 116, 118–119, 122, 125–128, 131–134, 168, 172
Edgington, D., 279, 298
Eells, E., 145, 164
Eimas, P.D., 28, 52
Eliaser, N.M., 259, 260, 267

Cambridge University Press

978-0-521-85648-5 - Inductive Reasoning: Experimental, Developmental, and Computational Approaches

Edited by Aidan Feeney and Evan Heit

Index

[More information](#)

348

Index

- Eliasmith, C., 233, 239, 244, 245
 Emotion and reasoning, 227–228, 233–234, 240–241
 Enderton, H., 274, 298
 Engle, R.W., 305, 306, 326, 327
 Essentialism, 48–49, 103, 107, 111
 Estin, P., 103, 111
 Evans, J. St. B.T., 9, 23, 261, 267, 270, 280, 298, 302, 303, 304, 305, 306, 325, 329, 334, 341
 Evolutionary model, 181–183, 188–197
 Example-based strategies in maths induction, 258–263, 266
 Exemplars and inductive inference, 221–223
 Expert systems,
 see Artificial expert systems
 Expertise, 16, 38, 96, 116, 124–127, 129, 310
 Explanation,
 accounts of, 234–237
 and abductive reasoning, 337–338
 and causality, 83, 95–102, 109, 234–237
 and induction, 41, 85, 338
 Extensional reasoning, 90–95
- Fallis, D., 265, 267
 Farrar., 27, 49, 51
 Farrelly, D., 307, 308, 313, 316, 325
 Fazio, F., 10, 24, 248, 268, 297, 300
 Feature alignment, 141
 Feature-based model, 20–21, 44–45, 65, 76, 130, 174–175, 310–311, 316–317, 337
 Feature centrality, 86–87
 Feeney, A., 6, 15, 17, 22, 23, 38, 52, 120, 135, 307, 310, 313, 319, 321, 322, 323, 324, 325, 334, 336, 338, 341
 Feinberg, S.E., 286, 296
 Feldman, J., 236, 245
 Fernbach, P.M., 336, 341
 Fischhoff, B., 337, 342
 Fisher A.V., 28, 42, 45, 48, 49, 52, 339, 342
 Fitelson, B., 145, 164
 Flach, P.A., 230, 245
 Florian, J., 29, 42, 51
 Folkbiology, 55, 70
 Fong, G.T., 309, 325
 Foodwebs, 184–186, 194–195
 Forsyth, B., 276, 301
 Fox, J., 296, 298
 Freedman, R., 55, 78
 Frege, G., 248, 253, 254, 255, 265, 267
 Frey, M.C., 306, 325
- Fry, A.F., 306, 325
 Fugelsang, J.A., 236, 245
- Gabbay, D., 296, 298, 299, 300
 Gap model, 139, 142
 Gap2 model, 109, 142–152, 163
 Gati, I., 137, 166
 Gazzaniga, M. S., 236, 245
 Gelman S.A., 18, 19, 23, 24, 28, 29, 30, 31, 33, 34, 36, 37, 42, 43, 44, 45, 46, 48, 49, 51, 52, 53, 55, 57, 62, 78, 80, 85, 100, 102, 103, 107, 112, 138, 139, 163, 165, 168, 172, 186, 187, 201, 204, 216, 224, 241, 244, 312, 314, 315, 326
 Gentner, D., 41, 50, 51, 66, 74, 79, 90, 113, 137, 141, 164, 165
 Geometry and mathematical induction, 260–263
 George, C., 280, 298
 Gettys, C.E., 337, 341
 Gigerenzer, G., 138, 164
 Gilinsky, A.S., 304, 325
 Gilovich, T., 230, 245, 332, 342
 Girotto, V., 8, 24, 271, 295, 299, 321, 326
 Gleitman, H., 60, 78
 Gleitman, L.R., 60, 78
 Goel, V., 10, 23, 240, 245, 248, 267, 305, 325
 Gold, B., 10, 23, 248, 267
 Gold, E., 160, 164
 Goldfarb, W., 253, 267
 Goldstone, R.L., 41, 51, 66, 79, 137, 141, 164, 165
 Gooding, D.C., 13, 23
 Goodman, N., 15, 23, 62, 78, 137, 164, 174, 201
 Gopnik, A., 168, 201, 204, 228, 245
 Gordon, M., 200, 203
 Gorman, M.E., 13, 23
 Goswami, U., 50, 51
 Graham, S.A., 27, 28, 30, 42, 51, 52, 54
 Grassi, F., 10, 24, 248, 267, 297, 300
 Grattan-Guinness, I., 252, 267
 Gray, W.D., 31, 53, 103, 113
 Green, B., 192, 202
 Green, D.M., 292, 298
 Greenberg, M.J., 258, 263, 267
 Greenfield, P.M., 26, 51
 Griffin, D., 230, 245, 332, 342
 Griffiths, T.L., 14, 24, 168, 177, 182, 186, 194, 197, 201, 202, 204, 330, 331, 332, 333, 336, 337, 338, 341, 343

Cambridge University Press

978-0-521-85648-5 - Inductive Reasoning: Experimental, Developmental, and Computational Approaches

Edited by Aidan Feeney and Evan Heit

Index

[More information](#)*Index*

349

- Gutheil, G., 18, 23, 24, 30, 33, 34, 42, 45, 49, 52, 55, 57, 78, 100, 112, 138, 165, 312, 314, 315, 326
- Hadjichristidis, C., 86, 87, 88, 101, 108, 110, 112, 338, 342
- Hahn, E., 27, 35, 36, 43, 48, 53
- Hahn, U., 15, 18, 19, 22, 23, 34, 42, 52, 138, 164, 286, 287, 288, 290, 292, 293, 294, 299, 300, 310, 326, 328, 329, 331
- Hale, S., 306, 326
- Halford, G., 50, 52
- Hallett, M., 253, 267
- Hamblin, C.L., 290, 299
- Hampton, J., 151, 164
- Handley, S.J., 6, 23, 280, 285, 298, 301, 305, 307, 308, 313, 316, 325, 326
- Hanson, N.R., 229, 245
- Harel, G., 260, 268
- Harley, C., 307, 308, 313, 316, 326
- Harman, G., 7, 23, 228, 245
- Hasher, L., 305, 325
- Hastie, R., 103, 104, 106, 107, 111, 113, 320, 327
- Hatano, G., 31, 52, 55, 61, 65, 67, 68, 78
- Hattori, M., 287, 299
- Hayes, B.K., 1, 16, 19, 22, 23, 31, 32, 34, 38, 39, 40, 43, 44, 45, 46, 52, 53, 54, 60, 67, 78, 97, 109, 110, 111, 112, 119, 120, 121, 131, 132, 135, 138, 165, 197, 202, 310, 312, 319, 320, 326, 333, 334, 336, 338, 339
- Heim, A. W., 313, 325
- Heit, E., 1, 8, 11, 14, 15, 16, 17, 18, 19, 21, 22, 24, 34, 35, 38, 42, 44, 45, 46, 51, 84, 85, 100, 109, 110, 112, 117, 120, 130, 132, 135, 138, 139, 164, 170, 172, 175, 188, 189, 201, 202, 207, 216, 218, 224, 276, 299, 303, 309, 310, 312, 313, 317, 320, 321, 325, 326, 328
- Hempel, C.G., 13, 23, 310, 326
- Henderson, A.M., 30, 51
- Heyman, G.D., 29, 37, 42, 43, 51
- Hintzman, D.L., 170, 173, 193, 202
- Holland, J.H., 13, 23
- Holland, P.W., 286, 299
- Holyoak, K.J., 13, 23, 243, 245, 246, 247, 307, 324
- Horn, J.L., 305, 326
- Horowitz, L.M., 115, 134, 135
- Horwich, P., 14, 23
- Houde, O., 240, 245
- Houle, S., 10, 23, 248, 268
- Howson, C., 14, 23, 310, 326, 330, 342
- Hu, R., 119, 127, 136
- Huang, Y.T., 30, 51
- Hughes, G.E., 278, 299
- Hume, D., 13, 23, 328, 338, 342
- Hypothesis-based model, 66
- Inagaki, K., 31, 52, 55, 61, 65, 66, 67, 68, 78
- Inclusion similarity effect, 335
- Incoherence, 154, 156, 160
- Individual differences,
 - and cognitive constraints, 306
 - and conjunction fallacy, 319–321
 - and diversity, 309–317
 - and dual process theories, 10, 306–309
 - and induction, 309–324
 - and normative theories, 308, 309–310
 - and Wason's selection task, 307–308
 - and uncertain classification, 318
- Inductive bias, 168
- Inductive selectivity, 117, 125–127, 132–134
- Infancy, reasoning in, 27–28, 30, 35–36,
- Informal reasoning fallacies, 272–273, 290–294
- Inhelder, B., 26, 27, 52
- Intuitive theories, 168, 187
 - and cognitive development, 186
- Jaswal, V., 29, 42, 52
- Jeffrey, R.C., 153, 164
- Jepson, C., 35, 53, 309, 326
- Johnson, D.M., 31, 52, 103, 113
- Johnson, S., 55, 79
- Johnson-Laird, P.N., 7, 8, 23, 24, 147, 164, 269, 271, 273, 289, 295, 299, 307, 321, 326, 329, 337, 342
- Jones, S.S., 28, 52
- Josephson, J.R., 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 245
- Josephson, S.G., 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 245
- Judd, B.B., 304, 325
- Juslin, P., 142, 164
- Just, M.A., 306, 324
- Kahn, T., 34, 43, 52
- Kahneman, D., 69, 79, 114, 115, 136, 138, 164, 166, 211, 225, 230, 245, 257, 267, 303, 308, 318, 319, 327, 332, 342, 343
- Kakas, A.C., 230, 245

Cambridge University Press

978-0-521-85648-5 - Inductive Reasoning: Experimental, Developmental, and Computational Approaches

Edited by Aidan Feeney and Evan Heit

Index

[More information](#)

350

Index

- Kalish, C.W., 37, 43, 52, 216, 224, 241, 244
 Kalish, W.B., 139, 163
 Kane, M.J., 305, 326
 Kane, R., 118, 136
 Kapur, S., 10, 23, 248, 267
 Kaye, R., 255, 267
 Keeble, S., 235, 246
 Keil, F.C., 48, 52, 55, 57, 78, 85, 113, 137, 164
 Kelemen, D., 37, 43, 44, 52
 Kemp, C., 110, 111, 115, 122, 135, 177, 182, 183, 186, 187, 193, 194, 200, 202, 203, 204, 329, 330, 331, 332, 333, 337, 338, 341
 Kilbreath, C.S., 27, 28, 42, 51
 Kim, N.S., 86, 111
 Kim, S.W., 86, 113
 Kincannon, A.P., 13, 23
 Klahr, D., 230, 245
 Kline, M., 252, 268
 Knuth, D.E., 255, 268
 Koedinger, K.R., 261, 262, 264, 268
 Kotovsky, L., 235, 244
 Krantz, D.H., 35, 53, 309, 325, 326
 Kruschke, J.K., 173, 193, 202
 Kunda, Z., 35, 53, 227, 231, 245

 Lagnado, D.A., 213, 214, 224, 230, 246, 337, 338, 139, 165, 340, 342
 Lakoff, G., 236, 246
 Langley, P., 230, 246
 Larkin, J., 270, 283, 295, 300
 Lassaline, M.E., 38, 41, 52, 86, 90, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 139, 164
 Lawson, C., 31, 32, 45, 51
 Legrenzi, P., 8, 24, 271, 295, 299, 307, 321, 326
 Legrenzi, M.S., 8, 24, 271, 295, 299, 307, 321, 326
 Lemmon, E.J., 256, 257, 268
 Leslie A.M., 57, 79, 235, 246
 Levin, D.T., 137, 164
 Lewis, D., 278, 281, 299
 Lichtenstein, S., 337, 342
 Lien, Y., 230, 239, 246
 Lipton, P., 228, 246
 Litt, A., 237, 243, 244, 247
 Liu, I.M., 280, 299
 Lo, Y., 14, 15, 19, 30, 33, 34, 42, 43, 52, 138, 139, 164, 280, 299, 310, 326
 Logical fallacies, 272,
 Lombrozo, T., 338, 342

 Loose, J.J., 48, 52
 Lopez, A., 8, 16, 18, 19, 20, 21, 22, 24, 27, 32, 33, 34, 44, 49, 52, 58, 59, 76, 79, 121, 123, 130, 135, 138, 139, 151, 165, 170, 171, 173, 174, 180, 188, 192, 193, 203, 216, 225, 310, 311, 312, 314, 315, 317, 326, 337
 Love, B.C., 82, 96, 100, 112
 Luenberger, D.G., 155, 165
 Lynch, E.B., 55, 57, 61, 66, 67, 68, 69, 70, 71, 72, 73, 74, 78, 79, 80, 124, 135

 Maass, W., 233, 246
 Machamer, P., 233, 242, 246
 Machine-learning algorithms, 168
 Macrae, C.N., 215, 224
 Madden, E.H., 229, 245
 Madole, K.L., 41, 53
 Magnani, L., 229, 231, 246
 Malt, B.C., 207, 208, 224, 318, 326
 Mandler, J.M., 35, 36, 43, 53, 236, 246
 Manktelow, K.L., 307, 326
 Mansinghka, V., 200, 203
 Marcus-Newhall, A., 231, 246
 Mareschal, D., 48, 52
 Markman A.B., 30, 53, 55, 74, 78, 79, 141, 164
 Markman, E.M., 26, 28, 29, 32, 33, 36, 42, 45, 51, 53, 85, 112, 172, 179, 201, 202
 Markov mutation model, 182
 Markovits, H., 285, 300
 Marr, D., 169, 187, 202, 313, 326, 331, 342
 Mathematical induction, 248–267, 328–329
 Martin, W.G., 260, 268
 Massey, G.J., 290, 299
 Maximal similarity, 33, 311
 as an approximation for evolutionary model, 194, 196
 versus summed similarity, 173–174, 188, 192–194
 Mazoyer, B., 240, 245
 McCarrel, N.S., 37, 43, 53
 McClelland, J.L., 35, 48, 53, 174, 175, 203
 McCloskey, M., 192, 202
 McDermott, D., 229, 245
 McDonald, J., 46, 53, 66, 79, 317, 326, 335, 342
 McDonough, L., 35, 36, 43, 53
 McKenzie, B.R.M., 197, 202
 Mechanisms
 and abduction, 241–243
 causal, 83, 85

Cambridge University Press

978-0-521-85648-5 - Inductive Reasoning: Experimental, Developmental, and Computational Approaches

Edited by Aidan Feeney and Evan Heit

Index

[More information](#)

Index

351

- Medin, D.L., 16, 22, 23, 24, 28, 32, 38, 46, 51, 53, 55, 57, 59, 60, 61, 63, 64, 66, 67, 68, 69, 70, 71, 72, 73, 74, 77, 78, 79, 96, 103, 109, 110, 111, 112, 113, 119, 120, 121, 123, 124, 131, 132, 135, 137, 138, 139, 140, 141, 142, 163, 164, 165, 168, 174, 192, 197, 202, 216, 222, 223, 224, 225, 241, 244, 310, 312, 319, 320, 325, 326, 327, 334, 336
- Melartin, R.L., 26, 32, 45, 51
- Mellers, B., 240, 246
- Meltzoff, A., 168, 201
- Mental model theory, 7–8, 273–274, 285–286
- Mervis, C.B., 31, 53, 59, 79, 103, 113
- Michalski, R., 63, 78,
- Michotte, A., 235, 246
- Mikkelsen, L.A., 197, 202
- Miller, C., 60, 78
- Miller, D.T., 215, 225, 227, 245
- Milne, A.B., 215, 224
- Milson, R., 134
- Mirels, H.L., 160, 164
- Misinterpreted necessity model, 261
- Mitchell, T.M., 168, 178, 202
- Modus ponens, 229, 269
and mathematical induction, 252–254, 265–267
- Moloney, M., 31, 32, 45, 51
- Monotonicity effects,
in adults, 32,
in children, 32–35, 43
- Monotonicity principle, 140, 144, 148–149
- Moutier, F., 240, 245
- Multidimensional scaling, 157
- Multimodal representations, 232–234, 242
- Murphy, G.L., 41, 53, 118, 133, 135, 168, 174, 192, 197, 198, 202, 203, 207, 208, 209, 210, 211, 212, 213, 214, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 318, 326, 327, 336, 337, 338, 341
- Mutation history, 181–183
- Mutation principle, 179, 181–183
- Myers, T.S., 86, 112
- Myrvold, W.C., 310, 326
- Nagel, E., 13, 24, 310, 326
- Nair, M., 91, 93, 94, 95, 112
- Narayan, S., 236, 245
- Neapolitan, R., 160, 165
- Needham, A., 235, 244
- Nelson, L.J., 215, 225
- Neural mechanisms,
and inference, 237–239
as dynamical systems, 232
- Neuropsychological studies of reasoning, 10, 240, 248–249, 297–298, 305
- Newstead, S.E., 261, 267, 305, 307, 308, 313, 316, 325, 326
- Nguyen, S.P., 118, 135, 216, 225
- Nilsson, N., 153, 165
- Nisbett, R.E., 13, 23, 35, 53, 124, 125, 135, 246, 231, 309, 325, 326
- Niyogi, S., 168, 186, 204
- Non-diversity via property reinforcement effect, 16–17, 120
- Non-diversity via causality effect, 97
- Non-monotonicity effects
in adults, 121,
in children, 33, 43, 46
- Non-monotonicity via property reinforcement effect, 121, 129
- Non-monotonicity and deduction, 270–271, 282,
- Norenzayan, A., 124, 135
- Norman, S.A., 115, 134, 135
- Normative accounts of induction, 13–15, 329–332
- Norvig, P., 152, 165
- Nosofsky, R.M., 170, 173, 193, 203
- Nute, D., 278, 299
- O'Reilly, A.W., 31, 51, 102, 112
- Oakes, L.: 41, 53
- Oaksford, M., 6, 8, 22, 23, 24, 169, 197, 201, 203, 269, 270, 271, 273, 274, 280, 283, 284, 285, 286, 287, 288, 289, 290, 292, 293, 294, 295, 297, 298, 299, 300, 301, 303, 307, 308, 325, 326, 328, 329, 331, 332, 342
- Oberauer, K., 280, 300
- Olbrechts-Tyteca, L., 293, 300
- Olver R.R., 26, 51
- One-process accounts of reasoning, 7–11, 332–333
- Ortiz, C.L., 139, 165
- Ortony, A., 103, 112
- Osherson, D.N., 8, 10, 14, 15, 16, 19, 20, 21, 22, 24, 27, 30, 32, 33, 34, 42, 43, 44, 52, 58, 59, 63, 76, 78, 79, 82, 85, 86, 109, 112, 113, 121, 123, 130, 135, 136, 137, 138, 139, 140, 142, 145, 151, 154, 163, 164, 165, 170, 171, 172, 173, 174, 180, 188,

Cambridge University Press

978-0-521-85648-5 - Inductive Reasoning: Experimental, Developmental, and Computational Approaches

Edited by Aidan Feeney and Evan Heit

Index

[More information](#)

352

Index

- Osherson (*cont.*)
 189, 191, 192, 193, 197, 200, 201, 203,
 216, 222, 225, 248, 267, 297, 300, 310,
 311, 317, 326, 327, 334, 337, 340, 342
- Osman, M., 303, 327
- Ostrin, R., 60, 78
- Over, D.E., 9, 23, 86, 87, 88, 101, 108, 110, 112,
 270, 280, 298, 301, 302, 303, 306, 307,
 322, 323, 325, 326, 334, 338, 341, 342
- Palmer S.E., 79
- Paradoxes of material implication, 272,
 278–280, 282, 295
- Parsons, S., 296, 298
- Patalano, A.L., 215, 225
- Pearl, J., 152, 161, 165, 235, 246, 281, 297, 300
- Pearlstone, Z., 115, 135
- Peirce, C.S., 226, 227, 246
- Peng, K., 124, 135
- Perani, D., 10, 24, 248, 268, 297, 300
- Perceptual similarity, 26–30, 42, 57, 114
- Perelman, C., 293, 300
- Perfors, A., 200, 202
- Persson, M., 142, 164
- Piaget, J., 26, 27, 52
- Pineau, S., 240, 245
- Plausibilist reasoning, 297
- Pohorille, A., 230, 245
- Poincare, H., 253, 268
- Poletiek, F., 6, 24
- Politzer, G., 280, 300
- Pollard, P., 303, 304, 305, 325
- Pollock, J.L., 296, 297, 300
- Polya, G., 251, 259, 268
- Popper, 15, 24
- Posner, T., 37, 43, 44, 52
- Pragmatics, 336
- Prakken, H., 296, 300
- Predicate stability, 139–140, 163
- Probabilistic accounts of reasoning,
 see Bayesian approach
- Probability logic, 272, 283, 295
- Probabilistic taxonomic theories, 183
- Probabilistic validity, 281–282
- Problem of induction, 13, 167, 328
- Proffitt, J.B., 16, 24, 96, 111, 112, 124, 135, 216,
 222, 223, 225, 310, 327
- Properties
 context dependence and independence, 131
 distinctive, 21, 64–66, 73–78
 functional, 36, 43
 hidden, 18–19, 28, 34, 114
 knowledge of, 21, 35–38, 117–119, 172
 and surprise, 62–63
 their interaction with categories, 35–38, 43,
 84–85, 117–119, 125–128, 132–133,
 216,
 Prospective reasoning, 89–90
 Prototypes, 28, 55, 58–61, 72–73
 Psillos, S., 229, 246
- QPf algorithm, 157–161, 163
- Quine, W.V. O., 165, 254, 268, 334, 342
- Quinn, P.C., 28, 52
- Quinn, S., 285, 300
- Rakison, D.H., 27, 35, 36, 43, 48, 52
- Ramsey test, 280–281
- Raney, 27, 49, 51
- Rapoport, A., 276, 300, 301
- Ratio formula, 279–280, 286
- Rational analysis, 169, 186, 193–194, 198
- Read, S., 231, 246
- Rehder, B., 22, 86, 87, 89, 90, 91, 97, 98, 99, 100,
 103, 104, 106, 107, 109, 111, 112, 113,
 230, 236, 241, 246, 320, 327, 334, 338
- Relational shift, 50
- Relevance theory, 46–47, 60, 66, 109, 119,
 131–132, 312–313, 339
- Rieke, F., 233, 246
- Rips, L.J., 9, 10, 11, 22, 24, 59, 79, 84, 113, 138,
 139, 157, 158, 160, 170, 173, 203, 216,
 222, 225, 248, 266, 268, 269, 270, 271,
 273, 274, 275, 276, 277, 278, 283, 286,
 287, 288, 289, 290, 295, 300, 301, 303,
 321, 322, 327, 328, 329
- Rispoli, J., 46, 53, 66, 79, 317, 327, 335, 342
- Ritov, I., 240, 246
- Rogers, T.T., 35, 48, 53, 174, 175, 203
- Rosch, E.H., 31, 53, 59, 79, 103, 113, 179, 203
- Roser, M.E., 236, 245
- Ross, N., 55, 57, 66, 67, 68, 69, 70, 71, 72, 73,
 74, 79
- Ross, B.H., 30, 53, 118, 133, 135, 138, 139, 163,
 197, 198, 203, 207, 208, 209, 210, 211,
 212, 213, 214, 215, 216, 217, 218, 219,
 220, 221, 222, 223, 224, 225, 318, 326,
 336, 337, 338, 341
- Ross, L., 231, 233, 246
- Rotello, C.M., 11, 23, 276, 299, 303, 321, 326

Cambridge University Press

978-0-521-85648-5 - Inductive Reasoning: Experimental, Developmental, and Computational Approaches

Edited by Aidan Feeney and Evan Heit

Index

[More information](#)

Index

353

- Rozelle, J., 14, 15, 19, 23, 24, 30, 33, 34, 35, 42, 43, 52, 84, 85, 109, 110, 112, 117, 130, 135, 138, 139, 164, 172, 202, 216, 218, 224, 310, 326
- Rubin, D.C., 250, 268
- Russell, B., 251, 253, 268
- Russell, S.J., 152, 165
- Salmon, W., 12, 24
- Samuels, M., 46, 53, 66, 79, 317, 326, 335, 342
- Schaffer, M.M., 143, 165
- Schaeken, W., 270, 285, 286, 288, 289, 300, 301
- Schnur, T., 10, 24, 248, 268, 297, 300
- Schroyens, W.J., 270, 285, 286, 288, 289, 300, 301
- Schulz, L., 168, 201, 203, 204
- Schwartz, A., 240, 246
- Scientific reasoning, 12–13, 15, 186–187
- Scott, D., 277, 301
- Scripts, 118, 128
- Seaton, C.E., 118, 135
- Selection task.
see Wason's selection task
- Shafir, E., 8, 16, 19, 20, 21, 22, 24, 27, 32, 33, 44, 53, 58, 59, 76, 79, 82, 85, 112, 113, 121, 123, 130, 135, 136, 137, 138, 139, 142, 151, 165, 170, 171, 172, 173, 174, 180, 188, 192, 193, 197, 200, 203, 216, 225, 310, 311, 317, 327, 337, 340, 342
- Shafto, P., 22, 38, 53, 96, 109, 110, 111, 113, 115, 124, 125, 126, 127, 130, 131, 132, 133, 135, 136, 172, 194, 197, 200, 203, 305, 309, 319, 321, 325, 329, 330, 331, 332, 333, 337, 338, 339, 341
- Shanks, D.R., 213, 214, 224, 337, 342
- Shrager, J., 230, 246
- Shell, P., 306, 324
- Shelley, C.P., 229, 230, 231, 240, 246, 247
- Shepard, R.N., 15, 24, 197, 203
- Shipley, E.F., 62, 79, 102, 113
- Shoben, E.J., 59, 79, 160, 157, 158, 165
- Shum, M.S., 96, 111
- Sides, A., 14, 15, 19, 24, 30, 33, 34, 42, 43, 52, 138, 139, 164, 307, 310, 326
- Silverman, B., 173, 203
- Similarity, 1, 8, 100–102, 109–110, 133, 137–163, 170, 334, 341
- Similarity effects
in adults, 83, 171
in children, 42, 55–56,
- Similarity Coverage model, 19–21, 33, 44, 59, 76, 82–85, 95–100, 108, 130, 138–139, 151, 170, 173–174, 188–194, 311–312, 324, 337
- Simon, H., 230, 246
- Simons, D.J., 137, 164
- SINC model, 45
- Skyrms, B., 4, 24, 153, 165, 270, 301, 329, 342
- Slippery slope argument, 272
- Sloman, S.A., 8, 9, 20, 21, 22, 24, 27, 44, 65, 75, 76, 79, 83, 85, 86, 87, 88, 101, 108, 110, 112, 113, 130, 136, 138, 139, 165, 170, 171, 174, 175, 203, 230, 246, 302, 303, 304, 306, 310, 311, 316, 317, 322, 327, 332, 334, 335, 337, 338, 340, 341, 342
- Sloutsky, V.M., 28, 42, 45, 48, 49, 53, 339, 342
- Slovic, P., 337, 342
- Smith, E.E., 8, 16, 18, 19, 20, 21, 22, 24, 27, 30, 32, 33, 34, 42, 43, 44, 49, 53, 55, 58, 59, 76, 79, 82, 85, 86, 96, 100, 112, 113, 121, 123, 124, 125, 130, 135, 136, 137, 138, 139, 142, 151, 157, 158, 160, 164, 165, 170, 171, 172, 173, 174, 180, 188, 192, 193, 197, 200, 201, 203, 216, 225, 310, 311, 312, 314, 315, 317, 326, 327, 337, 340, 342
- Smith, L.S., 28, 52, 256, 258, 268
- Smith, W.C., 137, 164
- Smolensky, P., 239, 246
- Social reasoning, 11, 124–125
- Sousa, P., 55, 57, 61, 67, 68, 69, 70, 71, 72, 73, 74, 78
- Speeded response paradigm, 305
- Spelke, E.S., 57, 79
- Sperber, D., 312, 327, 339, 343
- Springer, K., 36, 53, 85, 113
- Stalnaker, R.C., 278, 283, 301
- Stalnaker conditional, 283
- Stanovich, K.E., 9, 10, 24, 302, 303, 306, 307, 308, 309, 310, 316, 317, 318, 319, 327, 334, 343
- Stepanova, O., 124, 126, 135, 136
- Stern, L.D., 170, 173, 193, 202
- Stevenson, R.J., 86, 87, 88, 101, 108, 110, 112, 280, 301, 338, 342

Cambridge University Press

978-0-521-85648-5 - Inductive Reasoning: Experimental, Developmental, and Computational Approaches

Edited by Aidan Feeney and Evan Heit

Index

[More information](#)

354

Index

- Stewart, I., 251, 252, 253, 254, 268
 Steyvers, M., 197, 204
 Stob, M., 86, 112
 Stochastic processes, 184–185
 Storms, G., 38, 46, 53, 60, 67, 79, 96, 109, 110, 111, 112, 119, 120, 121, 131, 132, 135, 138, 165, 197, 202, 310, 312, 319, 320, 326, 336
 Stromsten, S., 182, 194, 201, 202
 Structured representations, 169, 184–185, 192
 Subordinate level categories, 31–32
 Superordinate level categories, 19–20, 29, 31–32, 35–36
 Sum formula (for mathematical induction), 249–250, 252,
 Surprise, effects of
 in inductive reasoning 62,
 in abductive reasoning, 227
 Swets, J.A., 292, 298
- Tall, D., 251, 252, 253, 254, 268
 Taxonomic principle, 179–180
 Taxonomic relations, 57, 114, 116, 118–119, 122, 125–128, 131–134, 168, 185–186
 Taxonomic trees, 180
 Tenenbaum, J.B., 14, 22, 24, 110, 111, 115, 136, 168, 177, 182, 183, 186, 193, 194, 197, 199, 200, 201, 202, 203, 204, 207, 218, 219, 220, 221, 222, 225, 329, 330, 331, 332, 333, 336, 337, 338, 341, 343
 Tentori, K., 138, 145, 165
 Testa, T.J., 60, 63, 79
 Thagard, P., 13, 22, 89, 113, 228, 229, 230, 231, 233, 234, 237, 238, 240, 242, 243, 244, 245, 246, 247, 328, 329, 337, 338
 Theophrastus' rule, 297
 Theory-based priors for reasoning, 178–187
 Thomas, R.P., 337, 341
 Thompson, S., 38, 39, 40, 43, 44, 50, 54
 Tranel, D., 305, 324
 Tsvachidis, S., 154, 163
 Tulving, E., 115, 135
 Turner, H., 139, 166
 Tversky, A., 65, 69, 79, 114, 115, 136, 137, 138, 141, 164, 166, 211, 225, 257, 267, 303, 308, 318, 319, 327, 332, 343
 Tweney, R.D., 13, 23
- Two process accounts of reasoning,
 see dual process theories
 Typicality effect
 in adults, 58, 82, 97–98, 171
 in children, 29–30, 42, 58–61
- Ucan E.K., 55, 57, 61, 67, 68, 69, 70, 71, 72, 73, 74, 78
 Uncertain categorisation and induction, 197–199, 205–215, 218–224, 318
 Uncertainty, aleatory, vs. epistemic, 330
 Universal generalization, 250, 256–258
 Unsworth, D., 306, 327
 Urbach, P., 14, 23, 310, 326, 330, 342
- Valderrama, N., 55, 78,
 Van Fraassen, B., 229, 247
 Vapnarsky, V., 55, 57, 61, 67, 68, 69, 70, 71, 72, 73, 74, 78
 Vardi, M., 154, 163
 Veltman, F., 297, 301
 Vera, A., 55, 57, 78
 Verde, M.F., 219, 220, 225
 Vitkin, A.Z., 118, 119, 127, 135, 136, 338, 339
 Vreeswijk, G.A.W., 296, 300
 Vygotsky, L.S., 26, 54
- Wagar, B.M., 244, 247
 Wagenmakers, E.J., 197, 204
 Wallsten, T.S., 276, 298, 300
 Walton, D.N., 297, 301
 Warland, D., 233, 246
 Wason, P., 307, 308, 325
 Wason's selection task, 6, 307–308
 Waxman, S.R., 22, 28, 30, 51, 55, 64, 77, 78, 79, 336
 Wayne, A.P., 14, 15, 24, 310, 327
 Weisberg, R. W., 13, 24
 Welder, A.N., 27, 28, 42, 51
 Wellman, H.M., 57, 80, 168, 186, 187, 204
 Wenzel, A.E., 250, 268
 West, R.F., 302, 307, 308, 309, 318, 319, 327
 Widdowson, D., 37, 43, 44, 52
 Wilhelm, O., 280, 300
 Wilkie, O., 16, 19, 20, 21, 22, 24, 27, 32, 33, 44, 53, 58, 59, 76, 79, 82, 112, 121, 123, 130, 135, 138, 151, 165, 170, 171, 173, 174, 180, 188, 192, 193, 203, 216, 225, 310, 311, 317, 327, 337
 Wilson, D., 312, 327, 339, 343

Cambridge University Press

978-0-521-85648-5 - Inductive Reasoning: Experimental, Developmental, and
Computational Approaches

Edited by Aidan Feeney and Evan Heit

Index

[More information](#)*Index*

355

Wisniewski, E.J., 66, 80, 338, 342

Wright, H., 307, 308, 313, 316, 326

Wu, J., 280, 299

Wu, M.L., 90, 113

Xu, F., 177, 179, 197, 204

Yopchick, J.E., 118, 135

Zacks, R.T., 305, 325

Zago, L., 204, 245

Zwick, R., 276, 301

Zytkow, J., 230, 246