

INDEX

- abundance, 7, 52, 100, 101, 105, 117, 139, 144, 145, 147, 148, 149, 152, 153, 159, 161, 166, 209, 212, 214, 226
- allometric, 9, 53, 56
- allometry, 52, 54, 55, 56, 57, 58, 195
- Anderson, 111, 115, 117, 119, 136, 184, 185, 194, 195
- Andrefsky, 3, 9, 10, 13, 15, 20, 22, 23, 25, 26, 45, 55, 59, 84, 98, 139, 141, 145, 149, 150, 151, 153, 154, 155, 157, 160, 168, 186, 192, 194, 195, 218, 239, 240, 243, 249, 250, 251, 288
- Argentina, 14, 162, 164f9.2, 168, 170
- arrow, 7, 17, 38, 39f2.7, 40, 41, 43, 174, 240, 251
- artifacts, 3, 4, 5, 7, 9, 11, 18, 30, 33, 35, 38, 49, 50, 51, 66, 68, 70, 72, 83, 87, 89, 117, 118, 133, 139, 144, 149, 153, 173, 174, 176, 177, 178, 179, 180, 180f10.3, 181, 184, 186, 187, 190, 191, 192, 193, 194n. 1, 201, 203, 206, 207, 211, 212, 213, 216, 217, 226, 227, 235, 267, 268, 269, 270, 271, 273, 274, 275
- Atuel River, 162, 164f9.2, 166
- Baja California, 139, 140, 141, 142f8.1, 154
- Bamforth, 7, 10, 15, 21, 25, 95, 95f5.7, 139, 154, 157, 168, 260, 262, 270, 289
- Barton, 21, 100, 107, 108, 115, 118, 138, 199, 218, 220, 290
- Bar-Yosef, 83, 84, 85, 98, 100, 115, 170, 251
- Beck, 3, 4, 5, 6, 12, 13, 14, 21, 24, 53, 59, 73t4.2, 83, 85, 92, 97, 98, 124, 136, 140, 144, 154, 156, 169, 170, 173, 178, 192, 195, 239, 250, 253, 262
- Behavioral ecology, 10, 263
- Bettinger, 3, 4, 10, 12, 14, 15, 17, 21, 22, 43, 45, 83, 92, 93, 93f5.6, 98, 100, 101, 102, 106, 107, 115, 116, 124, 136, 156, 159, 161, 163f9.1, 165, 166, 167, 168, 169, 173, 195, 240, 250, 251, 253, 254, 256, 260, 261, 262, 265, 268, 270, 271, 289
- bifacial flaking, 84
- Binford, 100, 115, 133, 136, 141, 154, 157, 169, 170, 239, 243, 249, 250, 255, 256, 262
- Bird, 16, 21, 23, 101, 115, 200, 201, 204, 205, 218, 219, 221, 253, 263
- Blackwater Draw, 19, 70, 71, 72, 72f4.8, 72t4.1, 73t4.2, 77, 87, 90
- Bleed, 10, 21, 118, 135, 136, 157, 158, 169, 239, 250
- Boone, 7, 10, 21, 201, 218
- Bow, 21, 24, 45, 47, 79, 250, 262, 289, 290
- Boyd, 5, 15, 16, 21, 68, 78, 115, 201, 218, 219, 240, 249, 250, 253, 255, 256, 263, 265, 266, 268, 269, 270, 279, 289, 292
- Brantingham, 3, 10, 13, 14, 21, 108, 111, 115, 116, 118, 136, 152, 153, 154, 156, 157, 161, 169, 173, 195, 239, 240, 250
- Braun, 14, 21, 49, 59
- Bridge River, 18, 267, 271, 273f15.2, 274f15.3, 276, 277, 277f15.6, 278, 279, 280, 281, 281f15.8, 281f15.9, 282f15.11, 283f15.12, 283f15.13, 283f15.14, 283f15.15, 284f15.16, 286f15.21, 287, 287f15.22, 288, 291
- British Columbia, 115, 267, 268, 271, 291
- Buchanan, 7, 17, 22, 23, 53, 54, 55, 56, 58, 59, 69, 70, 78, 186, 191, 195, 240, 250
- caches, 13, 85, 89, 90, 90f5.4, 91, 95, 96, 211, 213
- Cavalli-Sforza, 16, 22, 253, 255, 263
- central place foraging, i, 4, 124, 138, 139, 141

- central tendency*, 40, 42, 102
- chert, 14, 54, 95, 95f5.7, 97, 144, 145, 146f8.3, 147, 148, 149, 150, 151, 152
- China, 12, 100, 106, 107, 107f6.4, 108, 111, 114, 115, 116
- clade diversity, 37
- Cladistics, 22, 25, 46, 47, 53, 60, 79, 238, 265
- cladogram, 6, 53
- Clarke, 50, 59, 218, 220, 291
- Clarkson, 4, 9, 10, 11, 12, 22, 23, 60, 117, 118, 119, 121, 134, 136, 137, 138, 249, 251
- Clovis, 13, 21, 22, 23, 52, 54, 56, 59, 69, 70, 73t4.2, 77, 78, 80, 83, 85, 86, 86f5.1, 87, 88f5.2, 89, 90f5.4, 91, 94, 95, 96, 97, 98, 99, 134, 153, 171, 185, 186, 187, 188f10.6, 189, 191, 195, 196, 213, 220
- coefficient of variation, 245
- Collard, 6, 7, 22, 24, 46, 53, 54, 55, 56, 57, 59, 69, 70, 78, 195, 240, 255, 265, 266, 290
- Collins, 21, 84, 87, 88f5.2, 97, 98, 121, 123, 125, 137
- Conspicuous Consumption, vi, 198
- Costly Signaling, 24, 198, 200, 201, 204, 205, 207, 210, 212, 218, 219, 220, 221
- crested blade, 84
- Crossland, vi, 267, 291
- Cueni, vi, 239
- Cultural Evolution, 78, 219, 253, 264, 265, 266, 290, 291, 292
- Cultural Transmission, 3, 16, 21, 22, 24, 25, 45, 46, 60, 78, 79, 80, 223, 238, 239, 250, 251, 252, 262, 263, 289, 290, 291, 292
- Culture Change, 25, 47, 169, 266
- Culture History, v, 5, 25, 27, 47, 79
- culture trait, 64f4.2, 64f4.3, 65f4.4, 67f4.5
- Dadiwan, 106, 107, 107f6.4, 108, 109f6.5, 110t6.1, 111, 113, 114, 115, 116
- Darwinian archaeology, 49, 53
- Darwinian evolution, 31, 36, 62, 269
- Darwinian evolutionary, 60
- descent, 5, 8, 30, 42, 52, 53, 54, 61, 255, 264
- Dibble, 13, 22, 60, 118, 133, 136, 137, 139, 154, 170
- diet breadth, 101, 166, 260
- directional selection, vii, 41, 63, 64f4.3, 65, 67
- disruptive selection, 64, 65, 65f4.4
- dual inheritance, i, 4, 18, 253
- Dunnell, 5, 6, 16, 22, 24, 62, 78, 157, 169, 201, 219, 238, 253, 255, 263, 267, 290
- Easter Island, 225, 238
- edge angle, ix, 129, 131f7.10, 134
- Eerkens, 3, 14, 17, 21, 22, 41, 43, 45, 46, 61, 67, 78, 79, 157, 168, 169, 228, 237, 240, 250, 251, 253, 260, 261, 262, 263, 268, 277, 289, 290
- el-Khiam, 17, 241, 242, 243, 243f13.3
- evenness, 147, 148, 149, 157
- evolutionary approaches, 3, 4, 5, 10, 19, 201, 253, 254, 255, 256
- Evolutionary Archaeology, 21, 23, 24, 25, 47, 78, 79, 80, 220, 289, 290, 291
- Evolutionary Ecology, 21, 26, 171, 196, 197, 220, 221, 265, 266
- evolutionary models, 4, 12, 15, 118
- Evolutionary Pattern, 29, 46, 239
- evolutionary process, 11, 19, 29, 30, 31, 36, 37, 43f2.10, 45, 240, 268, 269, 277
- evolutionary trends, 7, 8
- experimental, 4, 9, 12, 55, 94, 119, 120f7.1, 121, 122, 122f7.2, 134, 138, 192, 205, 249, 251
- extinction, 37, 38f2.6, 65, 67, 190, 268
- Ferris, 4, 14, 20, 139, 144, 150, 154
- fitness, 10, 14, 15, 18, 19, 66, 68, 77, 157, 159, 167, 173, 193, 198, 200, 201, 202, 203, 204, 205, 206, 206f11.1, 208f11.2, 209, 210, 211, 212, 213, 214, 215, 216, 217, 254, 255, 268, 269, 270
- Fluted Point, 59, 98, 169, 185, 193, 195
- Fluted Points, 48, 196
- Foley, 6, 23
- Folsom, 20, 21, 52, 56, 57f3.1, 58, 59, 60, 69, 70, 73t4.2, 78, 80, 98, 185, 191, 195, 196, 197, 290
- Garvey, 4, 14, 46, 47, 78, 79, 80, 156, 261
- Gatecliff Shelter, 6
- Goodale, 3, 4, 9, 10, 17, 20, 23, 45, 218, 239, 240, 241, 251, 267, 288, 292

- Goodyear, 9, 23, 157, 158, 170, 178, 185, 186, 195, 239, 241, 241f13.1, 251
- Grayson, 69, 78, 164, 170
- Great Basin, 13, 17, 21, 24, 45, 59, 79, 85, 97, 98, 99, 136, 138, 154, 166, 168, 169, 170, 191, 195, 204, 220, 250, 251, 262, 263, 289, 291
- haft, 17, 51, 56, 57, 126, 127, 128, 131, 132, 133, 135, 187, 239, 240, 242, 244, 245, 247, 249
- haft element, 239, 241
- hafted, 12, 52, 117, 118, 119, 120, 120t7.1, 121, 122, 123, 124, 126, 127, 128, 129, 132, 132f7.11, 133, 134, 135, 138, 213, 215, 250
- hafting, 12, 52, 74, 117, 118, 119, 122, 129, 131, 132, 133, 135, 187, 226, 228, 276
- Hamilton, 7, 17, 22, 23, 54, 59, 69, 78, 83, 195, 239, 240, 250, 267
- Harris, 117, 254, 255, 263, 267, 291
- Haslam, vi, 117, 137
- Hawkes, 23, 176, 196, 200, 204, 219
- Hayden, 84, 99, 118, 119, 127, 128, 132, 137, 155, 169, 279, 286, 290
- Hiscock, 9, 13, 23, 118, 121, 133, 137, 138
- histogram, 30
- history, 5, 8, 11, 18, 19, 20, 33, 37, 38, 44, 52, 53, 55, 177, 180, 240, 241, 249, 254, 268, 270, 271, 277, 278, 288
- Holocene, 14, 59, 69, 77, 98, 115, 116, 137, 144, 153, 164, 165, 166, 167, 170, 190, 195, 259, 259f14.4, 260, 261, 262, 263, 264, 265, 270, 271, 289, 291
- housepit, x, 268, 272, 274f15.3, 276, 281, 286
- Huckell, 86, 90, 99
- Hughes, 6, 15, 23, 24, 33, 34, 34t2.1, 39, 46, 52, 59, 169, 170, 215, 218, 220, 253, 264
- Human Behavioral Ecology, 10, 155, 172, 266
- Hundtoft, vi, 225, 237
- hunt, 69, 177, 205
- industry, 12, 18, 86, 251, 276, 279, 287
- Ishi, x, 17, 246, 247, 248f13.8, 250, 251
- Jones, 4, 5, 13, 14, 20, 21, 23, 24, 53, 59, 83, 85, 97, 98, 124, 136, 137, 138, 154, 156, 157, 166, 169, 170, 178, 195, 198, 204, 207, 219, 220, 250, 257, 260, 262, 264, 289
- Kelly, 10, 12, 24, 25, 97, 98, 99, 119, 133, 138, 140, 154, 157, 158, 159, 170, 178, 179, 195, 196, 201, 219, 220, 254, 264
- Kuhn, 4, 9, 10, 11, 12, 24, 83, 84, 85, 98, 118, 133, 138, 139, 140, 141, 149, 154, 157, 170, 172, 173, 192, 195, 196, 239, 251, 253, 264
- Kuijt, 23, 25, 218, 239, 241, 251, 270, 289, 290, 291, 292
- landmarks, 54, 88f5.2, 240, 243, 244
- land-use, 3, 14, 141
- Levant, 26, 83, 115, 241, 242, 242f13.2, 251
- life history, 8
- Lipo, 5, 17, 22, 24, 41, 46, 54, 59, 61, 63, 67, 78, 79, 225, 226, 228, 232, 236, 238, 249, 255, 260, 263, 265, 268, 277, 290
- Lithic Analysis, vi, 23, 25, 60, 154, 198, 205, 252
- Lithic Raw Material, vi, 154, 156, 170
- lithic studies, 4, 5, 8, 20, 140, 156, 157, 176, 249
- Lithic Technology, 3, 16, 20, 21, 23, 24, 25, 26, 59, 60, 98, 99, 108, 137, 138, 153, 155, 172, 195, 196, 197, 210, 212, 250, 251, 264
- low ranked, 101
- Lyman, 5, 6, 7, 8, 9, 24, 25, 29, 30, 32, 35, 37, 38, 40, 42, 44, 46, 47, 49, 53, 60, 61, 62, 68, 72, 74, 79, 201, 220, 238, 240, 251, 265, 267, 268, 269, 271, 278, 290, 291
- Macroevolution, 47, 220, 269, 289, 290, 291, 292
- manufacturing costs*, 12, 14, 94, 135, 159, 160, 163f9.1
- manufacturing time*, 12, 102, 103, 104, 104f6.2, 105, 105f6.3, 124, 125, 125f7.5, 127f7.7, 161, 163f9.1
- Marginal Value Theorem, 11, 22, 172, 174, 191, 195, 196, 197

- mata'a*, 227f12.2, 228, 229f12.3, 232f12.6,
233f12.7, 233f12.8, 234f12.9,
234f12.10, 235f12.11, 237,
236f12.12, 249
- Meltzer, 6, 16, 24, 60, 91, 95, 96, 97, 99, 164,
170, 191, 195
- Mendoza, 14, 162, 164f9.2, 165, 166,
167, 170
- Mesoudi, 3, 24, 68, 79, 240, 251, 268,
271, 291
- microblade, 106, 107, 108, 111, 113, 113f6.9,
114, 116
- Microevolution, 220, 268
- Microlithic*, 106, 107, 108, 110t6.1, 111, 113,
114, 115, 116
- Miller, 4, 9, 11, 12, 172, 194, 264
- millet, 12, 100, 101, 106, 107, 107f6.4,
110, 114
- Morgan, v, 100
- morphology, 6, 9, 63, 65, 69, 71, 121, 138,
147, 240, 247, 249, 261
- Morphometric, 48, 55, 59, 99, 195, 240,
243, 257
- Morrow, 25, 56, 60, 99, 118, 138
- nanolithic*, 12, 113
- natural selection, 6, 10, 11, 19, 31, 63, 66,
159, 172, 201, 254
- neck width, 7, 44, 159, 243, 244,
244f13.4
- Neiman, 5, 16, 24, 25, 42, 47, 53, 60, 61, 79,
204, 220, 228, 238, 269, 279, 291
- Nelson, 118, 119, 133, 138, 139, 141, 155,
172, 196
- Neolithic, 17, 23, 25, 112, 116, 241, 242,
242f13.2, 245, 246, 251, 252, 292
- notched points, 240, 241, 244, 246, 247
- O'Brien, 3, 5, 6, 7, 22, 24, 25, 30, 32, 37, 44,
45, 46, 47, 49, 53, 60, 61, 62, 68, 72, 78,
79, 80, 195, 201, 220, 229, 238, 240,
251, 252, 253, 255, 261, 265, 267, 268,
269, 271, 290, 291, 292
- O'Connell, 10, 25, 176, 193, 196, 253, 263
- Obsidian, 25, 169, 170, 215, 216, 221, 225
- optimal foraging, 12, 13, 15, 101, 140, 156,
168, 202
- Optimal number, 182f10.4, 183f10.5
- Osterhoudt, vi, 23, 239, 251
- Paleoindian, 4, 7, 11, 13, 19, 21, 22, 24, 25, 26,
52, 57, 59, 60, 61, 69, 70, 70f4.7, 71, 72,
72t4.1, 73, 73t4.2, 75t4.4, 77, 77f4.10,
78, 83, 85, 88, 91, 98, 99, 158, 170, 174,
178, 179, 184, 185, 186, 189, 190, 191,
194, 194n. 1, 195, 196, 197, 213
- patches, 11, 165, 166, 175, 175f10.1, 176, 177,
178, 181, 184
- phenotype, 172, 201, 271
- phenotypic, 5, 10, 30, 66, 173, 201, 267, 269
- phylogenetic analysis, i, 4, 5, 6, 7, 8, 9, 19
- Phylogenetic Evolution, v, 5, 27
- phylogenetic tree, 8, 29
- Prentiss, 18, 267, 269, 270, 271, 272, 274,
275, 278, 282, 286, 288, 289, 290,
291, 292
- prismatic blade, 84, 85, 87, 89, 94, 173
- procurement, 12, 13, 14, 16, 92, 94, 101,
102, 104, 104f6.2, 105, 105f6.3, 134,
135, 136, 139, 140, 141, 144, 147, 151,
152, 153, 156, 157, 158, 159, 160, 161,
162, 163f9.1, 166, 167, 168, 170, 178,
199, 256
- Procurement Costs, vi, 139, 141
- procurement rate, 12, 102, 105
- production, 7, 8, 10, 13, 14, 15, 18, 44, 51, 52,
54, 84, 86, 95, 100, 113, 114, 139, 144,
149, 152, 153, 160, 173, 174, 178, 180,
181, 198, 199, 204, 205, 209, 210, 211,
212, 213, 214, 228, 241, 250, 277, 281,
282, 287, 288
- projectile points, 8, 9, 11, 17, 33, 34, 34t2.1,
36f2.4, 37, 38, 38f2.6, 39, 40, 62,
70f4.7, 71, 72f4.8, 72t4.1, 77, 87, 97,
148, 174, 177, 179, 191, 192, 239, 240,
243, 249, 250
- Provenance, 10, 20
- quartzite, 144, 145, 146f8.3, 147, 148, 149,
150, 151, 152, 161
- Quinn, vi, 16, 25, 198, 200, 201, 221, 240,
241, 243f13.3, 249, 251
- Rapa Nui, 225, 226, 226f12.1, 227, 227f12.2,
229, 229f12.3, 232, 236, 237, 236f12.12,
238, 249
- raw material acquisition, 239, 240
- raw material availability, 13, 97, 118,
192, 199

- raw material procurement, 14
 raw material quality, 14, 160, 161, 240
 regression, 40, 56, 258f14.3
 resharpen, 126, 127
 retouch, 4, 12, 25, 118, 131, 134, 135, 150,
 199, 212, 213, 214, 242, 249, 250, 251
 rhyolite, 144, 145, 146f8.3, 147, 148, 149, 150,
 151, 152, 153
 Richerson, 115, 201, 218, 240, 249, 250, 253,
 256, 260, 263, 265, 266, 268, 270,
 279, 289, 292
 risk, 4, 10, 13, 51, 84, 118, 173, 195

 selection, 4, 10, 12, 18, 19, 61, 62, 63, 64f4.2,
 65, 65f4.4, 66, 67f4.5, 68, 68f4.6, 77,
 98, 131, 137, 139, 140, 141, 144, 147,
 151, 152, 153, 162, 167, 172, 201, 206,
 212, 228, 254, 267, 271, 287
 Sellet, 5, 25
 seriation, 17, 38, 106, 229, 231, 232, 233, 236,
 236f12.12, 249
 Shennan, 7, 17, 22, 24, 25, 46, 59, 61, 62, 68,
 78, 79, 80, 149, 155, 173, 196, 255, 264,
 265, 266, 268, 269, 278, 279, 290, 292
 Shott, 4, 8, 9, 10, 20, 25, 48, 51, 53, 55, 56,
 57f3.1, 58, 60, 118, 128, 138, 141,
 155, 179, 185, 186, 187, 197, 240, 252,
 261, 265
 shoulder angle, 230, 231, 232f12.6,
 233f12.7, 232
 signaling, 4, 16, 198, 200, 201, 202, 203, 204,
 205, 206, 207, 208f11.2, 208t11.1,
 209, 210, 211, 212, 214, 216, 217
 Sillitoe, 118, 128, 138, 179, 197, 261, 265
 slate, 18, 268, 276, 277, 277f15.6, 279,
 280, 281, 281f15.7, 282, 282f15.10,
 282f15.11, 283f15.13, 283f15.14, 284,
 284f15.17, 285f15.19, 286, 287, 288
 Social Information Exchange, vi, 198, 199
 southwest, 19, 138
 Spatial distributions, x, 236f12.12
 stemmed, 13, 70, 85, 89, 226, 235, 257
 Stevens, 4, 18, 19, 253, 259, 260, 264, 266
 Steward, 18, 29, 47, 253, 254, 255, 256, 260,
 261, 266
 stimulated variation, 19, 61, 62, 63f4.1, 68,
 68f4.6, 69, 70, 70f4.7, 74, 76
 stone tools, 6, 8, 11, 13, 16, 17, 18, 19, 25, 49,
 50, 51, 52, 54, 55, 58, 117, 119, 128,
 132, 136, 137, 138, 152, 174, 181, 191,
 192, 198, 199, 211, 240, 249, 251,
 259, 260
 stratigraphy, 4, 35, 36f2.4, 37, 37f2.5, 38,
 43, 272
 Stylistic, vi, 25, 47, 60, 79, 221, 225, 238, 291
 Surovell, 3, 11, 26, 156, 171, 177, 178, 192,
 193, 197, 221

 technological organization, 11, 17, 138, 172,
 173, 174, 191, 193, 198, 199, 205, 207,
 209, 210, 217
 Technological Tradition, 255
 Toolstone, 21, 98, 139, 141, 147, 154, 195
 Torrence, 10, 23, 24, 26, 133, 138, 154, 157,
 158, 170, 219, 253, 266
 transmission, 4, 6, 16, 17, 18, 19, 33, 35,
 37f2.5, 38, 40, 41, 42, 43, 52, 53, 61,
 62, 63, 67, 74, 76, 201, 226, 229, 232,
 233, 236, 237, 240, 241,
 249, 251, 255, 264, 268, 270, 271,
 277, 279, 287
 Transport Costs, 21, 98, 154, 169, 195
 Typological, 24

 Ugan, 12, 26, 91, 92, 93, 99, 102, 116, 118,
 136, 138, 159, 171, 173, 195, 197, 253,
 261, 266
 unretouched, 12, 117, 118, 119, 121, 123,
 124, 125, 127, 128, 129, 130f7.8, 131,
 131f7.10, 132, 132f7.11, 133, 134, 135,
 use time, 14, 92, 93, 114, 125, 159, 160, 161,
 162, 163f9.1, 166
 use wear, 121, 129, 134

 VanPool, 4, 13, 19, 24, 38, 45, 47, 61, 63, 65, 78,
 79, 80, 201, 220, 221, 251, 290
 Variation, 21, 22, 23, 24, 25, 46, 47, 57, 59,
 60, 62, 66, 69, 71, 78, 79, 80, 98, 99,
 152, 221, 251, 263, 290, 291

 Western Stemmed, viii, 21, 85, 86f5.1,
 89, 98
 Winterhalder, 10, 21, 26, 98, 115, 140, 155,
 159, 167, 168, 169, 171, 173, 195, 196,
 197, 201, 221, 253, 254, 261, 262,
 265, 266
 work organization, 18, 255, 256, 257, 257f14.1,
 260, 261