Index

3D pop-up book 493, 500, 502, 504-505, 507-508, 514
β-endorphin 1474, 1478-1480, 1491, 1499
A
abstract domain 314, 328, 334, 336-337, 340, 354
academic analytics 970
access control 22, 406, 408, 410-411, 413, 418, 477-478, 482, 635, 1629, 1632-1633, 1644-1647, 1649, 1756, 1759, 1761-1763, 1765-1770
acculturation 1368, 1370-1371, 1375, 1386
acculturation/transitional stress 1386
acoustic model 198-199, 203, 207
actual world 426, 428, 432-433, 435-439, 441-446, 450
Adaptive Educational Hypermedia Systems (AEHS) 839, 848
Adaptive Neuro Fuzzy Inference System (ANFIS) 634, 636, 668
addictive drive 1474, 1477, 1481, 1485, 1488-1489, 1491-1492, 1499
addictive pattern 1334, 1337-1339, 1478, 1499
adult survivors 1179-1180, 1183-1184, 1192-1193, 1203
advergames 1710-1711
advocacy 907, 1119, 1378-1379
affect-as-information framework 1226, 1228, 1230, 1232, 1243
affect infusion model 1226, 1228-1230, 1232, 1234, 1243
affective computing 297, 299, 329, 344-345, 516, 534, 552, 574-577, 819, 827-828, 848, 1098, 1424, 1428, 1774
affective domain 135, 328, 337-338, 355
affective/evaluative priming 42, 44, 51-52, 56, 62-64, 87
affective events theory 1226, 1228, 1230, 1234, 1243
affective state 184-185, 312, 340, 342, 354, 820, 826-828, 1426, 1430, 1789-1791
affect recognition 553, 695, 818, 820, 827, 848
Agent-Based Social Simulation (ABSS) 374
agreeableness 113, 115, 117, 120-122, 341, 872, 903-905, 920, 1044, 1049-1050, 1135, 1140-1141, 1205, 1207-1209, 1213, 1216, 1224, 1274, 1278, 1285, 1388, 1390, 1396, 1428, 1620, 1622, 1627
amphibian 1826-1827, 1831
anchoring 47, 1815, 1826
anonymization 1760, 1762-1763
Ant Colony Optimization (ACO) 26-27, 1505, 1523, 1544-1545
app inventor 602-603, 605, 607-608, 611
appraisal detectors 355
appraisal dimensions 305, 314, 329, 355, 552-555, 558-560, 562-563, 566-567, 569
appraisal model 553-555, 565-566, 568
appraisal state 312, 314, 355
appraisal variables 305-306, 310, 312-314, 316, 328, 333-337, 342, 354-355
aptitude 862, 866-867, 871-872, 876, 1389, 1614

Volume I pp. I-612; Volume II pp. 613-1224; Volume III pp. 1224-1845
**Index**

<table>
<thead>
<tr>
<th>Term</th>
<th>Page Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>artifact emotions</td>
<td>280, 294</td>
</tr>
<tr>
<td>artificial networks</td>
<td>705, 733</td>
</tr>
<tr>
<td>attribute aggregation</td>
<td>470, 474-476, 479, 484-485</td>
</tr>
<tr>
<td>augmented reality</td>
<td>493-494, 502-505, 508, 514, 1815-1816</td>
</tr>
<tr>
<td>Autism Spectrum Disorder (ASD)</td>
<td>596, 611, 884</td>
</tr>
<tr>
<td>autobiographical memory</td>
<td>1054, 1057-1058, 1065</td>
</tr>
<tr>
<td>Automatic Speech Recognition (ASR)</td>
<td>196, 207, 212, 679</td>
</tr>
<tr>
<td>avatar</td>
<td>130, 423-425, 427-446, 450, 577, 953, 955, 958, 961, 963, 1822</td>
</tr>
<tr>
<td>B</td>
<td></td>
</tr>
<tr>
<td>back propagation</td>
<td>19, 91, 107, 202, 212, 391, 637, 643-645, 647, 660, 850, 857, 1516, 1583, 1718</td>
</tr>
<tr>
<td>backpropagation learning</td>
<td>376-377, 382, 384-385, 392, 458, 637, 723-724, 747</td>
</tr>
<tr>
<td>Bayesian Networks (BN)</td>
<td>136, 212, 452, 738-740, 747, 752, 754, 770, 850, 1580-1581, 1583, 1587-1589, 1591-1592, 1612</td>
</tr>
<tr>
<td>behavioral economics</td>
<td>1405-1406, 1420</td>
</tr>
<tr>
<td>behavioral mimetism</td>
<td>359, 374</td>
</tr>
<tr>
<td>Behavioral Process Model of Personality (BPMP)</td>
<td>114, 127</td>
</tr>
<tr>
<td>behaviorism</td>
<td>374, 1350</td>
</tr>
<tr>
<td>Belbin roles</td>
<td>1040, 1044-1045, 1047, 1049, 1053</td>
</tr>
<tr>
<td>Bergson</td>
<td>428-429</td>
</tr>
<tr>
<td>better access program</td>
<td>1112, 1117-1118</td>
</tr>
<tr>
<td>bevel-tip needles</td>
<td>1712</td>
</tr>
<tr>
<td>bibliotherapy</td>
<td>877-893, 898-902</td>
</tr>
<tr>
<td>big-box</td>
<td>1614, 1623, 1627</td>
</tr>
<tr>
<td>big data</td>
<td>6, 9, 11, 15, 837, 1524, 1539, 1741, 1812-1813, 1818, 1825-1826, 1831</td>
</tr>
<tr>
<td>biological neural network</td>
<td>89-92, 102</td>
</tr>
<tr>
<td>bipolar disorder</td>
<td>493-494, 500-502, 504-505, 508, 514, 1335, 1413</td>
</tr>
<tr>
<td>blended identity</td>
<td>1815, 1831</td>
</tr>
<tr>
<td>blood vessel</td>
<td>637, 655, 668</td>
</tr>
<tr>
<td>Boellstorff</td>
<td>429, 450</td>
</tr>
<tr>
<td>Brain-Computer Interface (BCI)</td>
<td>573-574</td>
</tr>
<tr>
<td>brand awareness</td>
<td>1245, 1271-1272</td>
</tr>
<tr>
<td>branded entertainment</td>
<td>1711</td>
</tr>
<tr>
<td>brand prominence</td>
<td>1710</td>
</tr>
<tr>
<td>breakdown</td>
<td>278, 294, 377, 398, 1335</td>
</tr>
<tr>
<td>C</td>
<td></td>
</tr>
<tr>
<td>clinical psychology</td>
<td>1833-1837, 1839, 1845</td>
</tr>
<tr>
<td>cloud computing</td>
<td>399-402, 1629-1630, 1632-1633, 1640-1642, 1649, 1768, 1816</td>
</tr>
<tr>
<td>cognitive ability</td>
<td>522, 862-863, 867, 871-872, 876, 1273-1275, 1278, 1280-1283, 1285, 1287-1290, 1292, 1295-1296, 1308</td>
</tr>
<tr>
<td>cognitive-affective architecture</td>
<td>318, 345</td>
</tr>
<tr>
<td>cognitive behavior</td>
<td>1311</td>
</tr>
<tr>
<td>cognitive dissonance</td>
<td>1774, 1776, 1781, 1784, 1786, 1799, 1806, 1810</td>
</tr>
<tr>
<td>Term</td>
<td>Page Numbers</td>
</tr>
<tr>
<td>-----------------------------------------</td>
<td>-------------------------------------------</td>
</tr>
<tr>
<td>collaborative mental healthcare</td>
<td>1112, 1117, 1119, 1128</td>
</tr>
<tr>
<td>combinatorial optimization</td>
<td>15-16, 27, 1505, 1566, 1579</td>
</tr>
<tr>
<td>common complications</td>
<td>4, 1311</td>
</tr>
<tr>
<td>community education</td>
<td>257, 264, 270, 1122</td>
</tr>
<tr>
<td>community mental health</td>
<td>1112, 1115, 1118, 1120-1122, 1128, 1189</td>
</tr>
<tr>
<td>compound identifiable data</td>
<td>1756, 1758</td>
</tr>
<tr>
<td>Computational Affective Models (CAM)</td>
<td>296, 347</td>
</tr>
<tr>
<td>Computational Analytical Framework (CAF)</td>
<td>296-299, 321-322, 329, 345-347</td>
</tr>
<tr>
<td>computational intelligence</td>
<td>15-16, 18, 22, 30, 32, 40, 762, 783, 850</td>
</tr>
<tr>
<td>computer games</td>
<td>48, 128-138, 141-143, 145, 151-152, 156, 158, 160-161, 163, 166, 168-170, 178, 423, 431</td>
</tr>
<tr>
<td>Computer-Mediated Educational Discourse (CMED)</td>
<td>1774, 1799</td>
</tr>
<tr>
<td>concept map</td>
<td>1690</td>
</tr>
<tr>
<td>Confirmatory Factor Analysis (CFA)</td>
<td>116, 122, 1027, 1029, 1031, 1038</td>
</tr>
<tr>
<td>confusion matrix</td>
<td>563-565, 748, 974, 979, 1731, 1745-1746, 1751-1752, 1754</td>
</tr>
<tr>
<td>congruence</td>
<td>305, 312, 316, 1691, 1693, 1711</td>
</tr>
<tr>
<td>conscientiousness</td>
<td>113, 115, 117, 121-122, 864, 866, 871, 905, 920-921, 1044, 1049-1050, 1140-1141, 1144, 1205-1208, 1211-1212, 1214, 1216, 1224, 1274, 1278, 1282, 1285, 1290, 1295, 1388, 1390, 1392, 1396, 1428, 1620, 1622, 1627</td>
</tr>
<tr>
<td>conscientiousness</td>
<td>69, 217, 425-426, 428, 430, 450, 453, 495, 500, 826, 903-904, 907, 1139, 1325-1326, 1328, 1490-1491, 1695, 1776, 1812</td>
</tr>
<tr>
<td>Constructivist Theory</td>
<td>1781-1782, 1799</td>
</tr>
<tr>
<td>context representation</td>
<td>1424, 1427, 1429, 1437, 1439, 1441</td>
</tr>
<tr>
<td>conversation analysis</td>
<td>1774, 1799</td>
</tr>
<tr>
<td>core affect</td>
<td>355</td>
</tr>
<tr>
<td>core affective processes</td>
<td>298-299, 307, 323, 329, 345</td>
</tr>
<tr>
<td>counseling</td>
<td>141, 1082, 1172, 1311, 1317, 1368-1369, 1371-1374, 1376-1380, 1386, 1616-1617</td>
</tr>
<tr>
<td>counseling centers</td>
<td>1371, 1377-1379</td>
</tr>
<tr>
<td>counterproductive behaviors</td>
<td>1627</td>
</tr>
<tr>
<td>cross cultural understanding</td>
<td>1838, 1845</td>
</tr>
<tr>
<td>deaf persons</td>
<td>947, 962, 968</td>
</tr>
<tr>
<td>decision making</td>
<td>1-2, 4-5, 7, 10-11, 119, 378, 452, 501, 635-636, 638, 652, 668, 739, 876, 968, 1094, 1096, 1105, 1225-1232, 1234-1235, 1243, 1262, 1405-1409, 1412-1413, 1418-1420, 1524, 1535, 1541-1543, 1547-1548, 1554, 1556, 1560-1561, 1569-1570, 1653, 1668-1669, 1686</td>
</tr>
<tr>
<td>Decision Support Systems (DSS)</td>
<td>1-7, 11, 452, 498, 739, 1525, 1535</td>
</tr>
<tr>
<td>decision tree</td>
<td>768, 970-971, 974-976, 981, 983, 985, 1245-1246, 1262, 1265, 1271, 1612</td>
</tr>
<tr>
<td>Decision Tree Model (DTM)</td>
<td>974, 976, 981, 983, 1245, 1262, 1265, 1271</td>
</tr>
<tr>
<td>Deep Belief Neural Network (DBNN)</td>
<td>203, 212</td>
</tr>
<tr>
<td>Deep Neural Network (DNN)</td>
<td>196</td>
</tr>
<tr>
<td>DeLappe</td>
<td>434-436, 439-440</td>
</tr>
<tr>
<td>Deleuze</td>
<td>429, 436</td>
</tr>
<tr>
<td>dementia</td>
<td>5, 213-216, 218-224, 538</td>
</tr>
<tr>
<td>depression</td>
<td>500-501, 539, 687, 825, 864, 866, 869, 880, 891, 898, 906, 1064, 1083, 1129, 1136-1137, 1141, 1143, 1146, 1148, 1156-1157, 1183, 1185, 1192, 1214, 1309, 1311, 1321, 1333-1337, 1339-1340, 1347, 1370, 1373-1374, 1390, 1413, 1475-1476, 1478, 1480, 1482, 1490, 1835-1837, 1841</td>
</tr>
<tr>
<td>design guidelines</td>
<td>296-297, 324, 345-346</td>
</tr>
<tr>
<td>developmental bibliotherapy</td>
<td>880, 882-884, 886, 898</td>
</tr>
<tr>
<td>diabetes diagnosis</td>
<td>740-741, 746</td>
</tr>
<tr>
<td>Diabetes Mellitus (DM)</td>
<td>451, 453, 459, 738, 741, 754-755</td>
</tr>
<tr>
<td>Digitally Mobilized Footprints (DMF)</td>
<td>1832</td>
</tr>
<tr>
<td>digital mobilization</td>
<td>1826</td>
</tr>
<tr>
<td>digital signing</td>
<td>410, 412, 1763</td>
</tr>
<tr>
<td>digital trends</td>
<td>1811-1812</td>
</tr>
<tr>
<td>Discourse Analysis Methods (DAM)</td>
<td>1774-1775, 1777-1778, 1783, 1799</td>
</tr>
<tr>
<td>discrimination</td>
<td>61, 197, 204, 514, 591, 635, 820, 888, 1077-1081, 1083, 1085-1088, 1328, 1330, 1368, 1372, 1840</td>
</tr>
<tr>
<td>diversity</td>
<td>197, 218, 236, 317, 337, 523, 641, 764, 768-769, 773, 775-782, 785, 787, 882, 885, 888, 893, 928, 936, 974, 1026, 1048, 1050, 1116, 1128, 1224, 1284, 1379, 1424, 1457, 1466, 1505, 1526, 1800, 1805-1806, 1839</td>
</tr>
</tbody>
</table>

**E**
- ECG: 530, 533, 1524, 1529, 1533-1536, 1539
- e-commerce: 399, 578, 933, 988
edutainment 494, 503, 514, 733
effective learning 866, 1776, 1780, 1782, 1784, 1799, 1805
e-government 399, 401-402, 410
e-health 2, 4-5, 7, 11-12, 451, 1757
Eigen vector 654, 668
e-learning 818-821, 827, 829, 840, 848, 926, 945, 1159, 1171-1172, 1391, 1500, 1502-1503, 1774-1775, 1781, 1790, 1823, 1825
elevation 282, 284, 294
emic 1456-1457, 1459, 1464-1466
emotion agents 1655-1661, 1670, 1672, 1674, 1679, 1688-1689
emotional contagion 1247, 1252-1253, 1262, 1265, 1271
Emotional Control Parameters (ECP) 1358, 1366
emotional goals 529-530, 534-543, 545-547
emotional intelligence 1041, 1161, 1273, 1276-1277, 1282-1283, 1285, 1289-1290, 1292, 1294, 1296, 1308, 1445, 1453
Emotionally Charged Events (ECE) 1654, 1662, 1688
Emotionally Intelligent Tutoring System (EITS) 1094
emotional memories 559, 1358-1362, 1366, 1652, 1654-1655, 1662, 1664-1665, 1667-1670, 1672, 1674-1675, 1678-1680, 1683-1684, 1686, 1688
negative 1655, 1683, 1688
positive 1655, 1688
emotional perspective 538, 540, 543, 1159
emotional processing 1186, 1328, 1348-1349, 1356, 1361, 1366
Emotional Quality Evaluation (EQE) 947-948, 950, 954, 957, 965, 968
emotional stability 113, 121-122, 862, 864-865, 871-872, 876, 1140, 1207-1208, 1213, 1216, 1274, 1278, 1282, 1285, 1388, 1394, 1397, 1399, 1620, 1623
emotion antecedents 355
emotion classification 552-553, 555, 565, 567-569, 674, 676, 697
emotion decay 355
emotion consequents 355
emotion detection 670-671, 674-676, 678, 681, 695, 1774, 1776-1777, 1790
emotion eliciting conditions 355
emotion elicitors 355
emotion resource 1657, 1659-1660, 1688
emotions
basic 178, 300, 305, 329, 331, 333-334, 354, 516, 526, 575, 600-602, 608, 674-675, 821-822, 957, 1163, 1249, 1251, 1272, 1349, 1366, 1775
components 298
non-basic/complex emotions 184, 271, 300, 328, 331, 344, 354, 517-518, 554, 1775
emotion triggers 333, 335, 355
empathy 140-141, 300, 494, 505, 519, 586, 878, 886, 888-889, 891, 1041, 1229, 1272, 1308, 1324
empowering 473, 478, 1283, 1803, 1810
empowerment 278, 283, 407, 907, 1114, 1128, 1283, 1800, 1803-1804
encryption 21-22, 27, 401, 409, 413, 416-417, 477, 486, 488, 1756, 1760-1763, 1765-1770
endorphin 1479-1481
engineering decision 1453
engineering ethics 1444-1445, 1450-1451, 1453
enhanced fireworks algorithm 849-852, 854, 857
ensemble learning 762, 765, 767-768, 770, 793
environmental protection 1523
equilibrium 621-622, 1408-1409, 1412-1413, 1417-1418, 1473-1474, 1483-1484, 1499
essentialism 1455
ethical decision making 1225-1226, 1229-1230, 1232-1235, 1243
ethical dilemma 1226, 1229, 1232-1233, 1243
ethical issues 54, 215, 954, 1451
ethics 215, 425, 1026, 1184, 1444-1445, 1450-1451, 1453, 1465, 1823
etic 1455-1456, 1459, 1461, 1464-1466
evaluation instrument 547, 948, 954, 957, 964, 968
evolutionary algorithm 23, 1504, 1523, 1560, 1569, 1578, 1714
evolutionary computation 22-23, 26, 40, 516, 1507, 1523, 1544, 1547
evolutionary mismatch 1474-1478, 1482-1483, 1485-1486, 1488, 1492, 1499
eWOM 1247-1248, 1272
Expectation Maximization Algorithm (EMA) 212
exposure therapy 1309-1311, 1313-1314, 1316-1317, 1319, 1321
Index

extensibility 406, 422
extraversion 113, 115-118, 120-122, 300, 341, 903-905, 920, 1043, 1058, 1135-1137, 1140, 1144-1145, 1147, 1206-1207, 1210-1214, 1216, 1224, 1274, 1278-1280, 1285-1286, 1388, 1390, 1396, 1428, 1620, 1627

F
face recognition 732, 848, 1820
faking 113-115, 121-123, 127, 1287, 1621, 1627
faking good 1621, 1627
feature selection 26, 693, 723, 434, 343, 532, 600, 808, 822, 828-832, 835-837, 839-840, 956, 958, 963-964, 968, 1359, 1424, 1438-1439, 1776-1777
flow experience 826, 1711
force modeling 1713-1715, 1718-1720, 1724-1726
fuzzy inference 29, 31, 396, 398, 634, 636, 668, 715, 1547
Fuzzy Inference System (FIS) 31, 634, 636, 668, 715
fuzzy logic 18, 29, 31, 40, 328, 378, 385, 396, 398, 636, 647-651, 668, 705-706, 713-718, 722, 1504, 1523, 1541, 1543, 1547-1549, 1553, 1568, 1570, 1578, 1739
fuzzy theory 377-378, 385, 398

G
game theory 521-522, 1405, 1408
Gaussian Mixture Model (GMM) 196, 212, 695-697
Gaussian noise 656, 668
gender 119, 137, 141-142, 151, 158, 163, 229, 233, 236, 238-239, 257, 262, 432, 563, 597, 670, 673, 678-679, 802, 804, 868, 870, 888, 892, 905, 928-929, 932, 936, 1077-1078, 1083, 1145, 1148, 1160, 1186, 1208, 1215, 1274, 1284, 1369, 1371, 1374-1375, 1377, 1386, 1389-1391, 1395, 1399, 1417-1419, 1459, 1584, 1811
generation problem 67-68
generation y 1245, 1254-1255, 1272, 1820
generic computational tasks 296-299, 322-324, 327, 329, 345-346
genetic programming 22, 25, 41, 1505, 1718, 1723, 1725-1726
global variables 310, 355
goal orientation 862, 866-871, 920
government 2.0 794-799, 801, 804, 806, 808, 810-814, 816
Graphical User Interface (GUI) 603, 611, 763, 1739-1740, 1752
green schooling 1807-1808, 1810

H
hard problem 1324-1326, 1330
hard skills 1041-1042, 1053
healing 453, 878-880, 883, 887-889, 1179-1185, 1187-1188, 1190-1195, 1204, 1833, 1838
health-care 283, 415, 1756, 1760, 1766, 1768-1769
health literacy 260, 264, 270, 497, 500
help seeking 1368-1378, 1380, 1386
Hidden Markov Model (HMM) 196-197, 212, 695
hidden neurons 387-388, 457, 644, 709, 711, 725, 762-763, 768, 770, 773-775, 783-786, 793, 1516-1517, 1734
Higher Education Research (HER) 983, 985
homeostasis 301-302, 1351, 1473-1474, 1483-1484, 1486-1489, 1499
homeostatic drive 1473-1474, 1477, 1483-1489, 1491-1493, 1499
hospitality management education 926-928, 933-936, 938-939
human brain 89-91, 197, 378-379, 456, 576, 706, 977, 1293, 1328, 1358, 1569
human capital 1801, 1810
hunter-gatherer 1476-1477, 1487
hybrid models 763
hybrid systems 30-32, 207, 638, 650, 652
<table>
<thead>
<tr>
<th>Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kac  44</td>
</tr>
</tbody>
</table>
medical tourism 1833, 1835-1836, 1838, 1840, 1842-1843, 1845
mel-frequency cepstral coefficients 212
meliorism 1810
membership function 29, 387, 647-648, 661, 668, 714-715, 720, 722-723, 1548-1549
mental domain 355
mental healthcare 2, 7, 1320, 1371-1373, 1377, 1379, 1837
mental health policy 1113-1115, 1120, 1122
mental illness 501, 514, 1025, 1112-1114, 1116, 1119, 1122, 1128, 1368-1369, 1373
mental states 300, 334, 345, 821, 848, 1272, 1325, 1348-1350, 1356, 1359, 1361, 1366, 1425, 1775, 1841
mere exposure 47, 49
meta-emotion 281-282, 294
metanorms 526, 528
mHealth 493-500, 502, 506-508
Micromotives and Macrobehavior 374
millennials 265, 270
mind set 58, 60, 66
Minnesota Multiphasic Personality Inventory (MMPI) 1627
mobile cloud computing 1629, 1632, 1642, 1649
mobile device 270, 332, 481, 483, 670, 672, 1644, 1812-1814, 1816, 1818, 1823, 1826-1827
mobile identity 1811-1812, 1816, 1820, 1822-1827, 1831
mobile lifestyle 1824, 1826-1827, 1832
modality fusion 848
model comparison 971, 979
model overfitting 1754
motivation theory 229, 231
motor level 65
MTI 862, 865, 867-869, 871-872, 876
Multilayer Perceptron Neural Network (MLPNN) 644, 738-739
multimedia 130, 504, 580-583, 585, 587-589, 591-592, 671-673, 706, 732-733, 848, 927, 1132, 1779
Myers-Briggs Type Indicator (MBTI) 1040-1043, 1053, 1615, 1627
N
Naive Bayesian Network (NBN) 738-739, 747, 752, 754
narcissism 905, 1129, 1138, 1141-1145, 1148, 1157, 1211, 1214, 1280, 1286, 1295, 1308
negative affectivity 862, 864, 866-871, 876
negative priming 42, 44, 51, 53-59, 61, 63-66, 87
network behavior 903-905, 921
network externality 232, 251
neuro-fuzzy model 385, 398, 720
neuro-fuzzy networks 31, 705-706, 717, 723
Neuro Fuzzy System (NFS) 668
neuroleadership 1277, 1293, 1308
neurophenomenology 1324, 1326-1328
neuroticism 113, 117, 120-121, 300, 341, 862, 864-866, 876, 903-905, 918, 920, 1043, 1140, 1143, 1205-1208, 1211-1214, 1216, 1224, 1285, 1287, 1296, 1390, 1428, 1438, 1620, 1623, 1627
new adult 257-262, 264, 270
nonconvex optimization 614-615, 617, 621, 630
non-homeostasis 1474, 1483-1488, 1499
nonlinear systems 614-616, 618, 622, 624, 630
notions of information 1353, 1366
obfuscation 1756, 1760, 1762
object domain 327, 329, 331, 337-338, 340, 355
O
OCC Theory 308, 310, 316, 335-336, 355, 824
online social networking site 1132, 1157
openId connect 473, 476, 481, 485-486, 488
openness to experience 1044, 1049, 1141, 1224, 1278,
1388, 1390, 1396, 1399, 1620, 1623, 1627
operant conditioning 358-360, 362, 364, 370, 374
P
PAD 305, 331, 334, 342, 345, 355, 559, 951
parental control 143, 160, 163, 168-169
Particle Swarm Optimization (PSO) 26, 849-851, 856-
857, 1506, 1523, 1544, 1580-1584, 1587-1589,
1591-1592, 1612
pattern recognition 20, 89-90, 197, 211, 456, 636-637,
640, 695, 705, 718, 725, 731-733, 819, 828, 830,
832, 837, 841, 848, 1359-1360, 1503, 1515, 1523,
1539, 1714, 1717
peer support 883, 1112, 1115-1117, 1122, 1128
perceptron 19-20, 22, 91, 95-96, 98-99, 104, 202,
212, 451, 453, 456-458, 637, 644, 697, 707, 709,
725, 731-732, 738-740, 747, 750-751, 754, 1529,
1554-1555, 1730-1732, 1734, 1742-1743, 1752
perceptual linear prediction coding 212
permeability 763-767, 770-771, 775, 782, 785, 793
personality disorders 1143, 1405-1407, 1410, 1413,
1417-1420
personality traits 49, 113-114, 118, 123, 300, 331,
353, 866, 871-872, 1040-1045, 1048, 1050, 1053,
1056, 1129, 1134, 1139-1141, 1144, 1146, 1148,
1157, 1205-1209, 1211-1212, 1214, 1273-1281,
1283-1287, 1291-1296, 1308, 1390, 1420, 1428,
1432, 1627
personalized learning 829, 938, 945
person-in-environment 1111, 1114, 1120, 1179-1180
petroleum reservoir characterization 762-765, 767,
793
political scandal 179, 181-186, 188
polynomial networks 1712, 1716-1717, 1723-1724
porosity 763-767, 770-771, 775, 782, 785, 793, 1715
positive/negative affect 328, 869, 1272
positive technology 272-273, 276, 283-284, 294
postmodern 428-429, 431, 935, 1806
Post-Traumatic Stress Disorder (PTSD) 1309, 1419
Practical Swarm Intelligence (PSO) 41
pre-activation 42, 44, 46, 51, 53, 56, 61-63
predictive control 614, 616, 618, 620, 627, 630, 1739
predictive model 738, 740-741, 744, 746-747, 749,
754, 979, 1534-1535, 1580-1589, 1591-1592,
1612, 1712
pre-employment personality assessments 1614-1615,
1621, 1623, 1627
(pre)school aged children 129, 132, 138, 143, 145-
147, 149-151, 153, 155-158, 160-161, 165-170
preventive measures 1837, 1845
prime(ing) 42-69, 87, 140, 318, 400, 403, 410-411,
990, 1004, 1057, 1061, 1228, 1260, 1325, 1509
priming effects 44, 51, 53-56, 58-64, 66-68, 87
negative 54-56, 58-59, 61, 63-64, 66, 87
positive 54-55, 58-59, 64, 87
profit involvement 907, 1711
product placement 1690-1694, 1697-1699, 1701-
1703, 1711
programming styles 1387-1392, 1395-1396, 1398-
1399
prosumer 1815-1816, 1832
protective factors 1081, 1181-1182, 1185-1187, 1191,
1194, 1204
protophenomena/protophenomenon 1326-1330
psychosocial variables 1333, 1336, 1340, 1347
publication stratum 365, 374
purchase intention 907, 921, 988-991, 999-1002,
1005-1007, 1693
Q
Questionnaire based-IAT (qIAT) 127
R
raising awareness 499-500
randomized algorithm 763, 765, 775, 783, 785-786,
793
Rational Decision Making (RDM) model 1243
recovery movement 1187, 1204
Recurrent Neural Network (RNN) 98, 196, 202, 212,
456, 616
reduction problem 67
Reflective–Impulsive Model (RIM) 114, 127
regression problem 768-769, 1754
reinforcement learning 1526, 1529, 1540
relational dynamics 1405-1408, 1413-1415, 1419-
1420
reputation management 1823, 1832
online/digital 1832
xxxi
Index

resilience 15, 871, 1179, 1181-1183, 1185-1186, 1188, 1191-1195, 1204, 1804, 1838
response priming 42, 44, 50, 52, 54-55, 57-58, 60, 62-64, 69, 87
Retina Recognition System (RRS) 636, 659-660, 668
risk factors 454, 466, 1186-1187, 1194, 1204, 1592
Root Mean Square Error (RMSE) 392, 661, 669, 775, 782, 1747
SAGA game 1311-1312, 1316, 1320
salt and pepper noise 656, 669
SAM 575, 951-952, 956-957
Schomaker 436-439, 441
school outcomes 1288, 1291-1292
School-to-Work Opportunities Act (SWOA) 1616, 1627
School-to-Work Transition (STW) 1613-1616, 1621, 1623, 1627
scientific journal 374
scientific production 357-358, 360, 363, 373, 375
secure cloud 1629, 1631, 1640
self-broadcast(ing) 228-229, 232-233, 235, 237-239, 251
self-concept of personality 113-114, 116, 120, 122, 127
self-efficacy 142, 151, 265, 277, 279, 283, 819, 862, 864, 866-871, 876, 906, 1185, 1208
self-enhancement 1054-1065, 1075-1076, 1142, 1144
self-enhancement mechanism explicit 1055, 1075
implicit 1055, 1076
self-enhancement outcome explicit 1076
self-perceived competence 862, 876
self-presentation 229-230, 233, 1060, 1129, 1134-1135, 1138-1139, 1143, 1145, 1148, 1207, 1819, 1821
self-promotion 232
semantic priming 42, 44, 47, 51-53, 55, 57, 60-63, 68, 87
semantics 400, 479, 481, 489, 518, 678, 720, 1352-1353, 1425, 1436, 1759, 1778
semi-supervised learning 1528, 1540
SenseCam 213-216, 220-224
sensemaking 1226, 1229-1231, 1243
sensitivity/specificity 1755
sentiment analysis 1775, 1778, 1786, 1790, 1799
sentiments 354, 1261
sexual abuse 1178-1181, 1183, 1185-1190, 1195, 1203-1204, 1480
recovery 1188
sign languages 948, 957-958, 968
simple fireworks algorithm 851-852
situated robot 1652, 1655, 1664, 1689
smartphonatics 495, 514
smartphone applications 251, 478, 596, 598-599, 601, 611, 670, 698
smart turn 1811, 1826, 1832
Smith, Georgie Roxby 439-440
social anxiety 1148, 1191, 1194, 1333, 1338, 1340, 1347
social categories 188, 1455-1459, 1461, 1463, 1465-1466
social emotions 300, 304, 316, 335, 354, 526, 1251-1253, 1262, 1265, 1272
Social Media Marketing (SMM) 239, 1133, 1248, 1272
Social Network Behavior (SNB) 903-905, 921
social neuroscience 1054, 1057-1060, 1063, 1065
social plugin 251
social support 230, 258, 885, 906, 1134, 1136-1137, 1191, 1333, 1339-1340, 1347, 1371-1372, 1374, 1379, 1834
social work 1111-1115, 1117-1122, 1128, 1178-1181, 1185, 1187, 1189-1190, 1192, 1195
soft computing 16, 640, 650, 652, 740-741, 1541, 1543, 1547, 1569-1570, 1579, 1583
soft skills 933, 1040-1050, 1053, 1623
soft tissue 1712-1715
software performance 376-378, 385, 396, 398
SOM 18, 694, 1592, 1612, 1731
speckle noise 656, 669
Speech Signal Processing (SSP) 198
spirituality 1184
statistical analysis 51, 90, 146, 798, 869, 1027, 1387, 1392
Index

situations 129, 1655-1660, 1688-1689
stimulus evaluation checks 355
storytelling 494, 505, 1311, 1318, 1321, 1424-1425, 1441
supervised learning 102, 204, 382-383, 457, 616, 618, 625, 643, 723-725, 849-850, 852, 855, 857, 1528, 1540, 1612
Support Vector Machine (SVM) 26, 200, 563, 695, 697, 738-740, 746, 749, 754, 1612
suppressions 1655-1660, 1688-1689
swarm intelligence 15, 26-27, 32, 41, 516, 849-850, 852, 855-857, 1505
sympathetic experiences 281, 294

T

task set 58
team composition 1045, 1047-1049
team motivation 1049, 1053
telemedicine 1, 7, 11, 496, 498, 514
telepresence 1711
terminology 296-299, 345-346, 430, 433, 879, 1033, 1456-1457, 1461-1463, 1503, 1505, 1695
terms describing affective states 353
theoretical factors 216, 218
thinning 637, 657-660, 669
Time Delay Neural Network (TDNN) 202, 212
tragedy 272, 280-281, 284, 1654
training/validation set 1755
transnational eLearning spaces 945
transnational spaces 939
transversal skills 1805, 1810
trauma 879-880, 884, 890, 898, 1179, 1181-1183, 1187-1188, 1190-1194, 1204, 1315, 1317-1320, 1407, 1420, 1478, 1480, 1835
Travelling Salesman Problem (TSP) 1505, 1541, 1566, 1569, 1579
trigger 58, 68, 114, 138, 214, 308, 310, 321, 331, 343, 354, 432, 531-532, 733, 814, 1000, 1061, 1250, 1257, 1272, 1294, 1325, 1329, 1354, 1356, 1358, 1479-1480, 1486, 1591-1592, 1658, 1660, 1768, 1782
tutoring strategies 1094-1095, 1100-1105
Twitter 239, 799, 905, 930, 1171, 1207, 1209, 1640

U

unconscious goal pursuit 1054, 1057, 1065
universal design 493-494, 506-508, 514, 1502
principles 493, 506-508
universalization 899
unsupervised learning 90, 103, 204, 457, 643, 723, 852, 857, 1526, 1528, 1540
user account management 422
user experience 272, 400, 573, 575, 578, 580, 584, 590-591, 947-948, 965, 968, 1630, 1633, 1782-1783, 1814
user interface 603, 611, 672, 763, 1739-1740, 1752, 1775, 1790
user provisioning 405-407, 415, 422

V

valence 49-50, 52, 56, 62-64, 66, 117, 120, 279, 305, 312, 314, 335, 353, 355, 519, 554, 559, 561, 563, 566-567, 577, 579, 582, 591, 823, 957, 1059, 1226, 1232, 1252, 1259, 1427, 1654, 1775, 1777
valenced reaction 355
vicarious traumatization 1185
vitality 1253-1254, 1257, 1259, 1265, 1272
viral marketing 1245-1250, 1253-1259, 1262, 1264-1265, 1272
viral messages 1247, 1255, 1272
viral videos 1246-1248, 1250, 1253, 1255, 1265, 1272
virtual characters 1423-1424, 1426-1428
vulnerability
online/digital 1832

W

web 2.0 233, 239, 251, 270, 794-801, 804, 808, 811, 814, 816, 818-819, 933, 1130-1131, 1776, 1782
Word of Mouth (WOM) 907, 1246-1248, 1272

X

XMPP 476, 479-480, 485-486

Z

Zizek 426, 430, 432