

- AAC&U. *See* Association of American Colleges and Universities
- AAUP. *See* American Association of University Professors
- Academic freedom, 79
- Academic program review, 14, 312
- Accountability, xvii, xviii–xix, 17, 58, 61–63, 66–67; and audiences for assessment, 64–65; and program review, 14; and published instruments, 218; reconciled with improvement, 63–64. *See also* Audiences for assessment, public and external
- Accreditation and accreditors, xxiii; and accountability, 61–62; as assessment audiences, 64, 65, 66, 205; and assessment of learning outcomes, 23; and assessment technologies, 96; documenting and reporting results for, 270–271, 284, 313, 319; and institutional effectiveness, 15; and quantitative evidence, 32; and rubrics, 143, 145; as a source of potential learning goals, 126
- Accuracy of assessments, 36–38; role of rubrics in, 139; when assessing attitudes and values, 187, 188–189. *See also* Quality, assessment
- ACPA. *See* American College Personnel Association
- ACRL. *See* Association of College and Research Libraries
- Action research, assessment as, 13–14, 52, 60–61, 80, 89, 227, 240, 277; and implications for value-added benchmarks, 240
- Action words in learning goals, 131
- Add-on assessments, 27–32; and grades and grading, 29
- Adjunct faculty’s role in assessment, 112–113
- Affective domain, assessment of. *See* Attitudes and values, assessment of
- Aggregating results, 260–261
- AIR. *See* Association for Institutional Research
- Aligning learning goals and assessments, 5; for published instruments, 224. *See also* Curriculum alignment; Integrating learning experiences and programs; Integrating learning goals across venues and levels
- Allen, J., 292, 294
- Alternative assessments, 26
- Alumni assessments, 106–107
- American Association for Higher Education (AAHE), xxi
- American Association of University Professors (AAUP), 79
- American College Personnel Association (ACPA), 330
- Analysis as a thinking skill, 120
- Analyzing results, 269–270
- Anderson, L. W., 118
- Anderson, V. J., xxi, 11, 142, 152, 153, 157, 161

- Angelo, T. A., 3, 11, 12, 24, 74, 127, 132, 189
 Application as a thinking skill, 120
 ASSESS listserv, 329
 Assessment: committee, *See* Committee,
 assessment; coordinator, xviii, 72, 92–94;
 course-level, 6–7; culture, *See* Culture
 of assessment; definition of, 3–4; gen-
 eral education, *See* General education;
 institutional-level, 9–10; plans, *See* Organ-
 izing assessment; principles of good
 practice, 36–53, 104–105, *See also* Quality,
 assessment; program-level, 7–8; pur-
 pose, *See* Purpose of assessment; results,
See Results; tools and strategies, 19–34,
 135–229; using results to inform and
 improve, 305
 Assessment Institute in Indianapolis, 329
Assessment Update, 329
 Assignments. *See* Prompts
 Association for Institutional Research (AIR)
 Annual Forum, 330
 Association of American Colleges and
 Universities (AAC&U), 11, 126, 330
 Association of College and Research
 Libraries (ACRL), 122
 Attitudes and values: assessment of, xviii,
 183–200; learning goals for, 123–124
 Audiences for assessment, xix, 64–67, 99,
 256, 275–279; and accountability, 17, 58,
 61–63, 66–67; and assessment technolo-
 gies, 96; engaging, 291–292; and institu-
 tional effectiveness, 15; learning goals
 important to, 124; for portfolios, 205;
 public and external, xix, 16–17, 32, 130,
 291–294; and published instruments, 216,
 218, 223, 224; and quantitative evidence,
 28; and rubrics, 140, 144–145; and stand-
 ards, 235–236. *See also* Accountability;
 Results
 Authentic assessments, 26
 Averages of results, 261
- Baglin, R. F., 226
 Baker, R. L., 126
 Banta, T. W., xv, 8, 60, 218, 221, 227, 238, 241
 Barr, R. B., 58
- Bauer, J. F., 21
 BCSSE. *See* Beginning College Survey of
 Student Engagement
 Beghetto, R. A., 121
 Beginning College Survey of Student
 Engagement (BCSSE), 215
 Behaviors as assessment information,
 186–188
 Benchmarks, 38, 117, 233–252; best-in-class,
 239; best practice, 239; choosing among,
 245–246; corroborating, 247; historical
 trends, 242–243; peer, 236; productivity,
 245; and summarizing results, 256; value-
 added, 239–242. *See also* Setting standards
 or benchmarks; Standards
 Benefits of assessment. *See* Purpose of
 assessment
 Best-in-class benchmarks, 239
 Best practice benchmarks, 239
 Bias in assessment. *See* Fairness and ethics;
 Scoring errors
 Black, K. E., 60
 Blind scoring, 45, 51
 Bloom, B. S., 118
 Bloom’s taxonomy, 118
 Blueprints, test. *See* Test blueprints
 Boyer, E. L., 81
 Braskamp, L., 218, 294
 Bresciani, M. J., xxi, 60, 69, 79, 110, 318
 Brightline, 234. *See also* Benchmarks;
 Standards
 Bruff, D., 21
 Budgeting for assessment activities. *See*
 Resources and support for assessment
 Budgeting, using results to inform and
 improve, 61, 306–308, 312
 Burden, minimizing the assessment, 87–90,
 212; of assessment reports, 313–314; with
 rubrics, 139; of scoring, 151–152
 Buros Institute of Mental Measurement, 220
 Butler, S. M., 42
- CAAP. *See* Collegiate Assessment of
 Academic Proficiency
 CAE. *See* Council for Aid to Education
 Capability benchmarks, 244

- Capstone experiences, 7, 21, 29, 304, 306;
and general education, 8; and interdisciplinary programs, 112; and portfolios, 204
- Carlson, J. F., 220
- Carnegie Foundation for the Advancement of Teaching, 239
- Carroll, J., 162
- CAS. *See* Council for the Advancement of Standards in Higher Education
- Categorical results, 256–257
- C-BASE. *See* College-Base Academic Subjects Examination
- CCSSE. *See* Community College Survey of Student Engagement
- Central tendency errors, 44
- Change, resistance to, 79–80
- Changes in results, meaningful, 264–265, 276
- Changing curriculum, impact on assessment of a, 113
- Charts of results, 286–290
- Checklist rubrics, 138–139
- CIRP. *See* Cooperative Institutional Research Program
- CLA. *See* Collegiate Learning Assessment
- Climate for assessment. *See* Culture of assessment
- “Closing the loop.” *See* Using results
- Cluster random samples, 49
- Cocurricular programs and activities, 9, 25, 103, 306
- Code of Federal Regulations, 51
- Coding results, 270
- Cohort-based programs, 9
- Collaboration: in articulating learning goals, 125–126, 127; in assessment, 41, 78; in choosing published instruments, 219; in designing curricula and learning experiences, 4–5, 59, 71; in developing rubrics, 149; in using results, 308
- Collaborative learning, 25, 106, 306
- College-Base Academic Subjects Examination (C-BASE), 215
- College-level assessment. *See* Institutional-level assessment
- College Senior Survey (CSS), 215
- Collegiate Assessment of Academic Proficiency (CAAP), 215
- Collegiate Learning Assessment (CLA), 46, 215, 240
- Commission on the Future of Higher Education, 62, 240
- Committee, assessment, 64, 76, 90–92; role in providing feedback, 317
- Communicating results. *See* Results
- Communication skills as learning goals, 124
- Community College Survey of Student Engagement (CCSSE), 215
- Comparative benchmarks, 236
- Competencies, 117. *See also* Learning goals
- Competency-based benchmarks. *See* External standards; Local standards
- Completion test items, 178–179
- Consistency. *See* Reliability
- Contamination effect bias, 44
- Context-dependent test items. *See* Interpretive exercises
- Context, learning, 24–25, 27; reviewing, 321
- Contrast effect bias, 44
- Cooperative Institutional Research Program (CIRP) Freshman Survey, 215, 280, 286
- Coordinating assessment, xviii, 72, 92–94. *See also* Committee, assessment steering; Supporting assessment activities
- Coordinator of assessment, xviii, 72, 92–94
- Correction for guessing, 181
- Corroborating assessment evidence. *See* Multiple measures and corroborating evidence
- Cost-benefit of assessment. *See* Cost-effectiveness and cost-benefit of assessment
- Cost-effectiveness and cost-benefit of assessment, 87–88, 90, 96, 219, 252, 321
- Cost-effectiveness, assessment of, 14, 293
- Costa, A. L., 118, 124
- Cotrell, H. W., 189
- Council for Aid to Education (CAE), 46, 240
- Council for the Advancement of Standards in Higher Education (CAS), 330
- Course-embedded assessments, 5, 7, 27
- Course-level assessment, 6–7
- Creativity as a thinking skill, 121–122
- Criterion, 234. *See also* Learning goals
- Criterion-referenced benchmarks. *See* External standards; Local standards

- Critical thinking, xxv, 122. *See also* Thinking skills
- Cross, K. P., 24, 127, 132, 189
- Culture of assessment, xvii–xviii, 29, 37, 69–84, 88, 92, 99; in general education, 111; and maintaining momentum, 311, 312; reviewing, 321; role of incentives, 94–95; using results to promote a, 308
- Curriculum: alignment, 43, 59, 99–102, *See also* Aligning goals and assessments; Integrating learning experiences and programs; Integrating learning goals across venues and levels; approval process relation to assessment, 313; development grants, 80, 312; impact on assessment of a changing, 113; mapping, 99–101; using results to inform and improve, 58–61, 79–83, 303–305
- Data analysis, 269–270
- Definition of assessment, 3–4
- Delphi method, 127–128, 303
- Descriptive rubrics, 142–145; role in minimizing scoring errors and bias, 45
- Designing assessment programs. *See* Organizing assessment
- Diamond, R. M., 82
- Dichotomous results, 257
- Differences in results, meaningful, 264–265, 276
- Difficulty of test items and rubric traits, 266–267
- Digital portfolios. *See* Portfolios, electronic
- Direct evidence of student learning, 20, 21, 23, 40; and assessing attitudes and values, 184; field experience supervisors' evaluations as, 108; and grades, 11; structured observation guides as, 106; test blueprints as, 168
- Director of assessment. *See* Coordinating assessment
- Discrimination of test items and rubric traits, 267–269
- Dispositions. *See* Attitudes and values
- Disseminating results. *See* Sharing results
- Distance learning. *See* Online learning
- Distracters, test item, 166
- Documenting assessment quality, 51, 279
- Documenting results, 270–271
- Dow, G., 121
- Driscoll, A., 145
- Drop-outs, assessment of. *See* Former students, assessment of
- Eaton, J., 62
- Ecosystem rating scales, 197, 199; summarizing results of, 289–290
- Educational Testing Service, 220, 235
- Efficiency, assessment. *See* Cost-effectiveness and cost-benefit of assessment
- Einarson, M. K., 60
- Ekman, R., 29, 276
- Electronic assessment tools and support. *See* Technical support for assessment
- Electronic portfolios, 212
- Embedded assessments, 5, 7, 27
- Employers as assessment information sources, 108
- Engagement in assessment. *See* Culture of assessment
- Enhanced multiple-choice test items. *See* Interpretive exercises
- Environment, learning. *See* Learning context
- Error margin, 46–48, 265–266, 281; of value-added assessments, 241
- Erwin, T. D., 220, 235, 241
- Essays and essay test questions, 21, 25–27, 155–156, 158, 165, 181
- Ethics in assessment. *See* Fairness and ethics
- Evaluating assessment: activities, 318–321; quality, 265–269
- Evaluation, 12–13; as a thinking skill, 121
- Ewell, P. T., 10, 13, 41, 184, 299
- Executive summaries of results, 290
- External peer benchmarks, 236–239
- External standards, 235
- Faculty, adjunct, role in assessment, 112–113
- Faculty as assessment information sources, 108
- Faculty development, 94
- Faculty evaluations: distinction of, from assessment, 13; as a key to assessment

- culture, 79–83. *See also* Performance evaluations of administrators
- Faculty leadership of assessment. *See* Committee, assessment; Coordinating assessment
- Faculty/staff engagement in assessment. *See* Culture of assessment
- Fairness and ethics: in assessing attitudes and values, 188–189; in conducting assessments, 40–45; in interpreting results, 299; in published instruments, 234; in qualitative summaries, 264; in using results, 298, 299. *See also* Scoring errors
- Feedback on assessment activities, 91, 313, 317–318
- Feedback on teaching and learning, 58, 59, 139; and published instruments, 218, 222–223
- Feedback to students, 23, 29, 42, 44, 58, 59, 306; journals and, 194; role of rubrics in, 139, 140, 145, 146
- Field experiences, 7–8; supervisors as assessment information sources, 108, 143
- Fill-in-the-blank test items, 178–179
- First-impression effect bias, 44
- First-year experience programs, 330
- Flexibility as a key to assessment culture, 75, 92–93; in assessment reports, 314
- Focus groups, 195, 196
- Foils, test item, 166
- Formative assessments, 24
- Former students, assessment of, 107–108
- Forsyth, B., xxi
- Freed, J. E., 142, 157
- Frequency distributions. *See* Tallies
- Fulcher, K. H., 235, 241
- Funding allocations, linking assessment to, 306–308, 312
- Funding for assessment. *See* Resources and support for assessment
- Gangopadhyay, P., 276
- Gap analysis. *See* Ecosystem rating scales
- Geisinger, K. F., 220
- General education, 8–10, 110–111, 125–126, 330
- Generosity errors, 44
- Goal attainment scaling. *See* Ecosystem rating scales
- Goals, 116; of assessment activities, *See* Purpose of assessment. *See also* Learning goals
- Good assessment. *See* Principles of good practice, assessment; Quality, assessment
- Governance structure for assessment. *See* Committee, assessment
- Grades and grading, 5, 6, 10–11, 20, 21, 59, 306; and add-on assessments, 29; criteria, *See* Rubrics; and peer assessments, 106; and portfolios, 205; and prompts, 161; and reflections, 186; and rubrics, 137, 138, 139, 247–250; and structured observation guides, 146–148; and test blueprints, 168
- Graduate Record Examinations (GREs), 215
- Graduates, surveys of. *See* Alumni assessments
- Graduation rates, 16, 21, 22, 103, 293, 299
- Graff, G., 4
- Graphs of results, 286–290
- Gray, P., xxi
- Guessing on objective tests, 181
- Guidelines for assessment activities, 105
- Habits of mind as learning goals, 123–124. *See also* Attitudes and values
- Halo effect bias, 44
- Handouts of results, 290
- Harris, E., 282
- Haswell, R., 152
- Historical trends benchmarks, 242–243
- Holistic scoring guides, 145, 146, 247
- Hollowell, D., 50–51, 76
- Hsu, C., 127
- Huba, M. E., 142, 157
- Identifying meaningful differences in results, 264–265, 276
- Improvement as a purpose of assessment, 58–61; reconciled with accountability, 63–64. *See also* Using results
- Improvement benchmarks, 239
- Improving planning and decision making, 61, 306–308, 312
- Improving teaching and learning, 58–61, 79–83, 303–305

- Incentives for faculty and staff to participate in assessment, 94–95. *See also* Culture of assessment
- Incentives for students to participate in assessments, 30–31; and published instruments, 226. *See also* Motivating students to participate in assessments
- Indiana University, 46, 296
- Indirect evidence of student learning, 20–23, 24, 40; faculty evaluations as, 13; grades as, 11; reflections and behaviors as, 188
- Information literacy, 122, 124, 141, 144, 220
- Infrastructure for assessment. *See* Resources and support for assessment
- Innovation as a key to assessment culture, 79–83
- Inputs, learning, 24–26
- Institutional climate for assessment. *See* Culture of assessment
- Institutional effectiveness, 15–16; telling the story of, 293. *See also* Accountability
- Institutional-level assessment, 9–10. *See also* General education
- Institutional review boards (IRBs), 51–53
- Instruments, published. *See* Published instruments
- Integrating learning experiences and programs, 4, 5, 7, 59. *See also* Aligning goals and assessments; Curriculum alignment; Integrating learning goals across venues and levels
- Integrating learning goals across venues and levels, 5, 125–126; in general education, 8. *See also* Aligning goals and assessments; Curriculum alignment; Integrating learning experiences and programs
- Interdisciplinary program assessment, 111–112
- Interlocking test items, 170, 174, 180
- Internal consistency, 225. *See also* Reliability
- Internal peer benchmarks, 236
- International Assessment and Retention Conference, 329
- Internet Resources for Higher Education Outcomes Assessment*, 329
- Internships. *See* Field experiences
- Interpersonal skills as learning goals, 123, 124
- Interpretive exercises, 173–175
- Interval results. *See* Scaled results
- Interviews, 195, 196
- IRBs. *See* Institutional review boards
- iSkills, 215
- Item difficulty, 266–267
- Item discrimination, 267–269
- Johnstone, S. M., 10
- Jones, E. A., xxi, 220
- Jones, J. B., 305
- Journals, 193–194
- Judgment samples, 50
- Kahn, S., xxi
- Kallick, B., 118, 124
- Keeping assessment momentum going. *See* Momentum, maintaining assessment
- Kirkpatrick, D. L., 20, 22
- Kirkpatrick, J. D., 20, 22
- Knowledge as a learning goal, 118–119
- Krathwohl, D. R., 118
- Lattuca, L. R., 60
- Laufgraben, J. L., xxi
- Law School Survey of Student Engagement (LSSSE), 215
- Leaders, campus/institutional: as an assessment audience, 64, 65–66, 319; role in assessment, 68, 70, 71, 312; role in using results, 307–308
- Leadership of assessment. *See* Committee, assessment; Coordination of assessment
- Learning: -centered paradigm, xxiii, 58–59; communities, *See* Collaborative learning; context or environment, 24–25, 27, 321; improving, *See* Improving teaching and learning; Using results; inputs, 24, 26; outcomes, 23, 117, *See also* Learning goals; processes, 24, 25, 299; styles, 39; valuing, 72–73
- Learning goals, 115–132; action words in, 131; aligning assessments with, *See* Aligning learning goals and assessments; articulation of, 128–132; for assignments,

- 156–157; for attitudes and values, 123–124; consensus on, 127, 128; of published instruments, 222; reviewing, 302–303, 321; using results to improve, 302–303; value of, 115–116
- Leniency errors, 44
- Leveille, D. E., 61
- Levi, A. J., 142
- Likert rating scales, 197, 198
- Limbaugh, J., xxi
- Local assessments, 32, 165–181; student contributions to, 77; value of, 217–219
- Local standards, 234–235
- Logistics of assessment, 108–110. *See also* Organizing assessment
- Longitudinal benchmarks, 239
- LSSSE. *See* Law School Survey of Student Engagement
- Lund, J. P., 60
- Maintaining assessment momentum, xix, 83–84, 110, 311–321
- Major Field Tests, 215
- Mandates regarding assessment, responding to, 66–67
- MAPP. *See* Measures of Academic Proficiency and Progress
- Mapping goals and curriculum. *See* Curriculum mapping
- Marchese, T., xxi
- Marzano, R., 118
- Matching test items, 176, 177
- Material incentives. *See* Incentives for students to participate in assessments
- McMunn, N. D., 42
- McTighe, J., 118
- Meacham, J., 79
- Measurement error, 37. *See also* Error margin; Reliability
- Measures of Academic Proficiency and Progress (MAPP), 215, 217
- Mehaffy, G., 240
- Metacognition, 123–124; and journals, 194; and portfolios, 203, 204, 209; and reflection, 185; and rubrics, 139
- Middaugh, M. F., 50–51, 76
- Miles, C. L., 126
- Miller, M., 240
- Minimal marking, 152
- Minimizing the assessment burden. *See* Burden, minimizing the assessment
- Minute papers, 189–190; summarizing, 263–264
- Momentum, maintaining assessment, xix, 83–84, 110, 311–321
- Monitoring assessment activities, 313–316, 319
- Motivating faculty and staff to engage in assessment. *See* Culture of assessment
- Motivating students to participate in assessments, 27–32
- Muchin, S., 282
- Multiple-choice test items, 170–172; setting standards with, 250–251. *See also* Interpretive exercises
- Multiple measures and corroborating evidence, 14, 38–40, 157, 269, 279, 299, 301; and indirect evidence such as self-report measures, 23, 189; and interviews and focus groups, 195; and published instruments, 228; and qualitative assessments, 264. *See also* Quality, assessment
- Murphy, L. L., 220
- Myers-Briggs Type Indicator, 215
- NASPA. *See* National Association of Student Personnel Administrators
- National Association of Student Personnel Administrators (NASPA), 329–330
- National Conference on First-Year Assessment, 330
- National Council Licensure Examination (NCLEX), 215, 235
- National Council of State Boards of Nursing, 235
- National Resource Center for the First-Year Experience and Students in Transition, 220, 330
- National Survey of Student Engagement (NSSE), 46, 215, 295, 296
- NCLEX. *See* National Council Licensure Examination

- Nelson-Denny Reading Test, 215
- New England Educational Assessment Network Fall Forum, 330
- Nodine, T., 278, 298
- Nominal results. *See* Categorical results
- Normative benchmarks, 236. *See also*
Peer-referenced benchmarks
- Norm-referenced benchmarks, 236. *See also*
Peer-referenced benchmarks
- Norms of published instruments,
225–226, 238
- North Carolina State Undergraduate
Assessment Symposium, 330
- NSSE. *See* National Survey of Student
Engagement
- Objective assessments, 33–34, 165–181
- Objectives, 117. *See also* Learning goals
- Oblander, F. W., 60
- Online learning, xxv
- Open-book tests, 173
- Opinions, assessment of. *See* Attitudes and
values, assessment of
- Options, test item, 166
- Ordered results, 257
- Ordinal results. *See* Ordered results
- Organizing assessment, xviii, 98–113
- Outcomes, 116–117. *See also* Learning goals;
Learning, outcomes
- Palomba, C. A., 8
- Participation, motivating student, 27–32
- Participation rates, 28, 48–49
- Paul, E., xxii
- Paulson, K., 10
- Pedagogy. *See* Teaching
- Peer benchmarks, xix, 224; external, 236–239;
internal, 236; and published instruments,
216. *See also* Best practice benchmarks;
Norms of published instruments
- Peer institutions and programs, 237, 238–239
- Peers, student assessments of, 105–106, 142,
162; grading, 106; in portfolios, 206
- Pelletier, S., 29, 276
- Percentages and tallies of results, 258–259
- Performance assessments, 25–27
- Performance evaluations of administrators,
role in assessment of, 313. *See also* Faculty
evaluations
- Performance indicators, 16–17, 117; for
assessment activities, 319–321
- Performance skills, 123
- Performance standards. *See* Standards
- Peter D. Hart Research Associates, 235, 237
- Peterson, M. W., 60
- Petrides, L., 278, 298
- Pickering, D., 118
- Pieper, S. L., 235, 241
- Placement rates, 16, 21, 22, 103
- Plagiarism, 162, 163
- Plake, B. S., 220
- Planning assessment programs. *See* Organ-
izing assessment programs; Purpose of
assessment
- Planning, using results to inform and
improve, 61, 306–308, 312
- Plucker, J., 121
- Policy Center on the First Year of
College, 330
- Poor results, addressing, 302–306
- Portfolios, 8, 202–212; contents of, 206;
definition of, 202–203; electronic, 212;
evaluating, 209–211; feasibility of, 205;
grading, 205; guidelines for students,
206–207; reflection and self-assessment on,
203, 207–208, 210; value of, 204–205
- Posters of results, 290–291
- Potential benchmarks, 244
- Practical significance of results, 265, 276–277
- Praxis, 215, 235
- Presenting results, 285–292
- Primary trait analysis. *See* Rubrics
- Principles of good practice, assessment,
36–53, 104–105. *See also* Quality,
assessment
- Priorities, setting assessment, 87–88
- Privacy in assessment, 42–43
- Problem solving as a thinking skill, 121
- Processes, learning, 24, 25, 299
- Productivity benchmarks, 245
- Professional development, 94
- Proficiencies, 117. *See also* Learning goals
- Program-level assessment, 7–8

- Program review, 14, 312
- Prompts, 155–163; definition of, 155–156; and grading, 161; value of, 156
- Public audiences for results, xix, 16–17, 32, 130, 291–294
- Public sources of information on colleges and universities, 237
- Publication opportunities for assessment work, 82–83. *See also* Scholarship of teaching and assessment
- Published instruments, 8, 32, 97, 214–228; and accountability, 218; aligning with learning goals, 224; evaluating, 219–226; identifying, 219, 220; norms of, 225–226, 238; practicality of, 226; quality of, 217, 221, 223–225, 227–228; value of, 216–217, 222–223
- Published surveys. *See* Published instruments
- Published tests. *See* Published instruments
- Purpose: of assessment, 37, 57–67, 99, 299; portfolios, 203; published instruments, 221; review of assessment, 321
- Qualitative assessments, 32–33; interviews and focus groups as, 195; meaningful differences in results of, 265; reflection as, 186; results of, 256, 261–264; structured observation guides as, 146–148; technical support for, 264
- Quality, assessment, xxiv, 36–53; documenting, 51, 279; evaluating, 265–269; expectations for, 89; of published instruments, 217, 221, 223–225, 227, 228; of reflections and behaviors, 188–189; review of, 321. *See also* Accuracy of assessments; Multiple measures and corroborating evidence; Principles of good practice, assessment; Reliability; Validity
- Quantitative assessments, 32; compared to objective assessments, 33; performance indicators as, 16
- Questionnaire surveys. *See* Surveys
- Random samples, 49; cluster, 49; simple, 49
- Rankings. *See* Comparative benchmarks
- Rater drift, 44
- Rating scale rubrics, 138–142, 143
- Rating scales, 195–198; ecosystem, 197, 199; Likert, 197, 198; rubrics, 138–142, 143; summarizing results of ecosystem, 289–290
- Ratio results. *See* Scaled results
- Reading skills and published instruments, 222
- Recognizing and rewarding assessment: activities, 84, 95, 311–312; positive results, 300–302
- Reflection and self-assessments, 20, 185–186, 190–193, 199; on assessment activities, 318–321; grading, 186; and portfolios, 203, 207–208, 210; quality of, 188–189; value of, 162, 185–186, 188
- Reliability, xxiv, 265; of published instruments, 221, 225; of self-reported assessment information, 189. *See also* Error margin; Measurement error
- Reporting assessment plans and activities, 313–316
- Reporting results, 89–90, 281–284, 290
- Research on teaching and learning, 5, 24, 58, 76, 305, 306. *See also* Action research; Institutional review boards; Scholarship of teaching and assessment
- Research skills, 121, 122, 124
- Resistance to change, 79–80
- Resource allocations, using results to inform and improve, 61, 306–308, 312
- Resources and support for assessment, 84, 86–97, 99; review of, 321
- Response rates, 28, 48–49
- Results: aggregates of, 260–261; analyzing, 269–270; coding, 270; documenting, 270–271; poor, 302–306; presenting, 285–292; reporting, 89–90, 281–284, 290; sharing, 273–294; storing, 270–271; summarizing, xviii, 260–261; telling the story of, 280–291, 293; using, *See* Using results
- Retention, 107–108; rates, 16, 21, 22, 103, 293; surveys on, 200
- Return on investment. *See* Cost-effectiveness and cost-benefit of assessment; Cost-effectiveness, assessment of

- Reviewing assessment: activities, 318–321; quality, 321
- Rewarding assessment. *See* Recognizing and rewarding assessment
- RiCharde, S., 220
- Risk taking as a key to assessment culture, 79–83
- Rubrics, 38, 137–151; checklist, 138–139; creating, 147–151; descriptive, 142–145, 151; for feedback on assessment activities, 317, 318; and grading, 137, 138, 139, 247–250; rating scale, 138–142, 143; role in minimizing scoring errors and bias, 45; in standard setting, 247–250; value of, 138, 139. *See also* Holistic scoring guides; Structured observation guides
- Sample size, 47–48
- Samples and sampling, 46–50, 89; precision of, 265–266; and published instruments, 223; quality of, 265
- Sandford, B. A., 127
- Scaled results, 257
- Scenario testing. *See* Interpretive exercises
- Schechter, E., xxii
- Schneider, C. G., 37, 60
- Schoenberger, R. L., 126
- Scholarship of teaching and assessment, 71, 81–83
- Schomberg, S., 218, 294
- Schuh, J. H., 13
- Scoring errors, 44, 45. *See also* Reliability
- Scoring guides. *See* Rubrics
- Self-assessments. *See* Reflection and self-assessments
- Self-designed academic programs, assessment in, 111–112; and portfolios, 205
- Self-ratings and self-reflection. *See* Reflection and self-assessments
- Service-learning activities. *See* Field experiences
- Setting standards or benchmarks, 246–251; adjustments to, 301–302; with multiple-choice tests, 250–251; with rubrics, 247–250
- Setting targets for students' collective performance, 251–252
- Severity errors, 44
- Sharing results, 273–294; fairly, 274–275, 299. *See also* Audiences for assessment
- Shavelson, R. J., 123, 184
- Shirley, R. C., 14
- Shulman, L. S., 12, 23, 37, 39, 60, 130, 292
- Sibolski, E., 50–51, 76
- Similar-to-me effect bias, 44
- Simple random samples, 49
- Slides of results, 290–291
- Smith, P., 81
- Software for assessment. *See* Technical support for assessment
- Sources of information on colleges and universities, 237
- Spellings Commission. *See* Commission on the Future of Higher Education
- Spies, R. A., 220
- Staggering assessments, 89
- Standardized assessment instruments, 216. *See also* Published instruments
- Standards, 38, 117, 233–252; choosing among, 245–246; corroborating, 247; external, 235; local, 234–235; and summarizing results, 256. *See also* Benchmarks; Setting standards or benchmarks
- Stanley, J., xxi
- Statistical analysis. *See* Analyzing results
- Statistical significance of results, 265, 276–277
- Steering committee, assessment. *See* Committee, assessment
- Stein, S., 126
- Stems, test item, 166
- Stevens, D. D., 142
- Storing results, 270–271
- Story of results, telling, 280–291, 293
- Strategies and tools, assessment, 19–34, 135–229
- Strengths-and-weaknesses perspective, 243–244
- Structured observation guides, 145–148; and grading, 146–147
- Student: involvement in assessment, 27–32, 41–42, 76–78, 203; involvement in local standards, 77; involvement in results, 305–306; life programs

- assessment, xxv, 9, 330; motivation to participate in assessment, 27–32; peer assessments, *See* Peer assessments, student; self-reflections, *See* Reflection and self-assessments
- Student Satisfaction Inventory, 215
- Subjective assessments, 33–34, 44;
short-answer items as, 178; structured observation guides as, 146
- Subscores of results, 260
- Summarizing results, xviii, 260–261
- Summative assessments, 23
- Sundre, D. L., 235, 241
- Supporting assessment activities. *See* Resources and support for assessment. *See also* Coordinating assessment
- Surveys, 198–200; alumni, 106–107; fatigue, 30; published, *See* Published instruments
- Suskie, L., 14, 28, 195, 234, 240, 244, 245, 270
- Sustaining assessment activities. *See* Momentum, maintaining assessment
- Syllabus analysis, 101–102
- Synthesis as a thinking skill, 121–122, 194;
and portfolios, 204
- Systematized assessment, 50–51
- Tables of results, 286–290
- Tagg, J., 58
- Tallies and percentages of results, 258–259
- Targets for students' collective performance, setting, 251–252
- Teachable traits, 184; and published instruments, 224
- Teaching: best practices in, 5, 306; -centered paradigm, 58; evaluations, *See* Faculty evaluations; research on, *See* Research on teaching and learning; to the test, 11; using results to inform and improve, 58–61, 79–83, 303–305; valuing, 72–73. *See also* Curriculum
- Teaching Goals Inventory, 127, 132
- Technical support for: assessment, xviii, 95–96, 152; qualitative results, 264; summaries and analysis, 257–258. *See also* Portfolios, electronic
- Telling the story of assessment results, 280–291, 293
- Templates for assessment plans and reports, 314, 315–316
- Terenzini, P. T., 60
- Test blueprints, 21, 38, 42, 167–170, 173, 179;
and grading, 168; mapping the results back to, 260–261; for published tests, 222
- Test item difficulty, 266–267
- Test item discrimination, 267–269
- Test-retest reliability, 225
- Tests, essay. *See* Prompts
- Tests, locally written, 165–181
- Tests, multiple-choice. *See* Multiple-choice test items
- Tests, objective, 33–34, 165–181
- Tests, published. *See* Published instruments
- Tests, standardized, 216. *See also* Published instruments
- Texas A&M Assessment Conference, 330
- Thematic analysis, 263
- Thinking skills, 120–122; analysis, 120;
application, 120; creativity, 121–122; critical, xxv, 122; evaluation, 121; information literacy, 122, 124, 141, 144, 220; and portfolios, 204; problem-solving, 121; synthesis, 121–122, 194. *See also* Habits of mind; Metacognition
- Time, finding, for assessment, 87–90
- Tools and strategies, assessment, 19–34, 135–229
- Transcript analysis, 101
- Trends: benchmarks, historical, 242–243; in results, meaningful, 264–265, 276
- Triangulation. *See* Multiple measures and corroborating evidence
- Trick questions, 172–173
- True-false test items, 176–178
- Trustees of Hamilton College, 9
- Truthful assessments, 36–37. *See also* Quality, assessment
- Understanding as a learning goal, 118–119
- University-level assessment. *See* Institutional-level assessment
- Upcraft, M. L., 13
- U.S. Department of Education, 61, 62, 240
- U.S. Department of Health and Human Services, 51

- Useful assessments, 36–37, 88–89. *See also* Quality, assessment
- Using results to inform and improve, 65–66, 83–84, 297–308; assessment, 305; learning goals, 302–303; planning and resource allocation, 61, 306–308, 312; teaching and curricula, 58–61, 79–83, 303–305. *See also* Accountability; Improvement as a purpose of assessment
- Validity, xxiv, 265; of published instruments, 223–225, 227–228. *See also* Accuracy of assessments; Quality, assessment
- Value-added benchmarks, xix, 239–242
- Value of assessment, 321. *See also* Purpose of assessment
- Values, assessment of. *See* Attitudes and values, assessment of
- Valuing assessment activities, 83–84
- Valuing innovation and risk taking as a key to assessment culture, 79–83
- Variety in assessment. *See* Multiple measures and corroborating evidence
- Vocational Preference Inventory, 215
- Volkwein, J. F., 14, 60
- Walvoord, B. E., 11, 142, 152, 153, 157, 161
- Weaver, R. L., 189
- Web-based assessment tools. *See* Technical support for assessment
- Wilson, C. D., 126
- Wood, S., 145
- Workload of assessment. *See* Burden, minimizing the assessment. *See also* Cost-effectiveness and cost-benefit of assessment
- Writing, assessment of, xxv
- Yeasayer/naysayer effect, 197
- Your First College Year (YFCY) Survey, 215
- Zubizarreta, J., 203, 212

