

Code System

Code System	Journal Article	IES Study	Overall Frequency
Code System			5591
Data Collection			
Observation	90	97	189
Assessment			
Written Sample	30	13	44
Process Data	0	22	22
Documents and/or Projects	14	29	43
Secondary Data	34	64	99
Questionnaire	144	124	279
Tests	48	117	165
Interview	139	97	236
Research Design Method			
Post-test	0	8	8
Mixed Methods	0	0	17
Pre-Test	1	0	1
Longitudinal	23	99	122

Multiple Baseline	2	3	5
Retrospective Pre/Post Test	1	0	1
Multiple Assessments Over Time	5	138	143
Quasi-Experimental	21	17	38
Randomized Experiment	21	181	202
Random Sampling	8	5	13
Pre Test Intervention Post Test	82	66	148
Mixed Method		17	
Joint Display	12	0	16
Sequential exploratory design	11	0	11
Event-listing matrix	1	0	2
Sequential explanatory design	8	0	8
Experimental-Comparison Design	1	0	1
Convergent Parallel (Concurrent) Design	26	0	31
Quantitative Data Analysis Method			
Multi-directional and Multilevel Analyses 8	0	30	30
Marginal Structural Models	0	1	1
Multidimensional Random Coefficient Multinomial Model	0	1	1
MSEM	0	27	27

Dynamic Systems	0	1	1
Complier Average Causal Effect Modeling	0	1	1
Multidirectional/multilevel Analyses 7	11	199	210
Generalized Linear Mixed Models	0	1	1
Multilevel Propensity Score Matching	0	3	3
Mixed MANOVA	0	1	1
Mixed ANCOVA	0	9	9
Nested ANOVA	1	2	3
Mixed-Design Repeated Measures ANOVA	1	0	1
Multi-level modeling	0	4	4
Hierarchical Linear Model	9	170	180
Model Fit Indices	0	1	1
SEM	0	23	23
Analyses of Time and/or Space 6	17	66	83
Growth Curve	0	27	27
Gain Score	8	6	14
Latent Growth Model	4	0	4
Value Added	3	4	7
Trend Differences	0	1	1
Longitudinal	2	32	34

Survival Analysis	0	3	3
Measurement Techniques 5	62	26	110
Multidimensional Scaling	1	0	1
Reliability	47	9	56
Principal Component Analysis	4	1	5
Factor Analysis	18	20	38
IRT Methods	3	24	27
Latent Class Analysis	1	3	4
Cross-Validation	1	1	2
DIF	0	15	15
Equating	0	2	2
Scale Analysis	0	1	1
Internal Consistency	0	3	3
Analyses of Group Membership 4	4	6	10
Discriminant Analysis	0	2	2
Cluster Analysis	3	1	4
Multivariate Analyses 3	56	93	149
Split-Plot ANOVA	1	1	2
Repeated ANCOVA	2	0	2
Repeated t test	0	1	1

Repeated Measures ANOVA	18	3	21
Machine Learning	0	11	11
Data Mining	0	7	7
Bayesian Knowledge Tracing	1	1	2
Bayesian Network	1	0	1
Regression		1	1
MANOVA	14	8	22
Multiple Regression	21	61	82
Propensity Score Matching	2	10	12
Social Network Analysis	3	3	6
Pairwise Comparison	0	1	1
MANCOVA	3	4	7
Univariate Analyses 2	173	56	545
ANCOVA	12	13	25
ANOVA	38	12	50
t-tests	78	7	85
z-tests	2	0	2
Simple Linear Regression	7	5	12
Nonparametric test	4	6	10

Mann-Whitney U test	5	0	5
Wilcoxon Signed-Rank Test	12	0	12
Chi-square goodness of fit	1	1	2
Chi-square test	34	2	36
Group Mean Comparisons	7	0	7
Inter-item Correlations	1	1	2
Z score	3	0	3
General Correlational Analysis	44	21	65
Simulation	0	2	2
Cost Analysis	1	20	21
Unnamed Quantitative Methods	0	3	3
Sensitivity Analysis	0	5	5
Mediational Analysis	0	123	132
Effect Size	25	17	46
Descriptive Analyses 1	158	59	217
Data Visualization	0	1	1
Single-Case Analysis	0	4	4
Visual Analysis	0	2	2
Qualitative Data Analysis Method			
Complexity Level 1	54	4	58

Systematic Data Analysis	2	0	2
Enumerative approach	1	0	1
Interrater Reliability	39	2	41
Conceptual Maps	1	0	1
Structured Protocol Analysis	0	1	1
Quantitize Qualitative Data	10	1	11
Magnitude Coding	4	0	4
Complexity Level 2	131	25	156
Pattern matching	1	0	1
Member Check	12	1	13
Peer Debriefing	6	0	6
Triangulation	23	2	25
Domain analysis	4	0	4
Cross-case analysis	4	2	6
Template analysis	1	0	1
Independent Coding and Check for Agreement	29	2	31
A Prior Coding	40	2	42
Case study	42	5	48
Ethnography	4	1	5

Content analysis	25	9	34
Participatory Research	10	0	10
Action Research	9	0	9
Linguistic Analysis	1	4	5
Complexity Level 3	162	15	178
General Thematic Organization	31	2	33
Narrative inquiry	1	0	1
Interaction-analysis technique	1	1	2
Phenomenology	7	0	7
Conceptual Metaphor Theory	1	0	1
Coding Analyzed and Refined Throughout	26	0	26
Interpretive Analysis	7	3	14
Etic and Emic Codes	1	3	4
Synchronic Analysis	1	0	1
Discourse analysis	9	4	13
Constant Comparative Analysis	39	2	41
Theoretical Coding	3	0	3
Selective Coding	17	1	18

Axial coding	13	1	14
Open Coding	46	1	47
Grounded Theory	24	5	29
Purpose			
Other Goal	0	12	12
Efficacy and Replication	77	99	176
Development and Innovation	15	76	91
Measurement	3	47	29
Exploration	160	81	241