**Table A1**

*Characteristics of Included Samples*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Author  (publication year) | Psychology field | Sample description | Mean  *d* | SE median |
| Baas et al. (2016) | Clinical | Creativity and: |  |  |
| Sample a |  | Depressive mood | -0.135 | 0.177 |
| Sample b |  | Bipolar disorder | 0.453 | 0.165 |
| Balliet et al. (2011) | Social | Gender differences in cooperation | -0.028 | 0.214 |
| Balliet et al. (2011) | Social | Cooperation and: |  |  |
| Sample a |  | Punishments | 0.768 | 0.230 |
| Sample b |  | Rewards | -0.019 | 0.403 |
| Balliet et al. (2014) | Social | Cooperation with ingroup | 0.300 | 0.214 |
| Brewin (2015) | Cognitive | Voluntary episodic recall and involuntary memory | 0.098 | 0.262 |
| Byron & Khazanchi (2011) | Industrial/Organizational | Creativity-contingent rewards and creative performance, nonexperimental studies | 0.188 | 0.153 |
| Cerasol & Nicklin (2014) | Industrial/Organizational | Intrinsic Motivation and Performance | 0.489 | 0.152 |
| Chaplin & Aldao (2013) | Developmental | Gender differences in: |  |  |
| Sample a |  | Positive emotion expressions | -0.113 | 0.232 |
| Sample b |  | Internalizing negative emotion expressions | -0.124 | 0.213 |
| Sample c |  | Externalizing negative emotion expressions | 0.098 | 0.203 |
| Sample d |  | General negative emotion expressions | 0.028 | 0.247 |
| Defoe et al. (2015) | Developmental | Age differences in risky decision making |  |  |
| Sample a |  | Early adolescent vs. child | 0.130 | 0.300 |
| Sample b |  | Adolescent vs. child | -0.042 | 0.283 |
| Sample c |  | Early adolescent vs. mid-to-late | 0.239 | 0.291 |
| Sample d |  | Adolescent vs. adult | 0.408 | 0.283 |
| Degner & Dalege (2013) | Developmental | Parental socialization of intergroup attitudes | 0.580 | 0.106 |
| Eastwick et al. (2014) | Social | Physical attractiveness and: |  |  |
| Sample a |  | Male earnings prospects | 0.217 | 0.197 |
| Sample b |  | Female earnings prospects | 0.253 | 0.185 |
| Sample c |  | Male romantic evaluation | 0.784 | 0.204 |
| Sample d |  | Female romantic evaluation | 0.724 | 0.202 |
| Else-Quest et al (2015) | Social | Gender differences in self-conscious emotions: |  |  |
| Sample a |  | Guilt | -0.278 | 0.176 |
| Sample b |  | Shame | -0.284 | 0.167 |
| Sample c |  | Embarrassment | -0.635 | 0.173 |
| Sample d |  | Authentic pride | 0.001 | 0.100 |
| Sample e |  | Hubristic pride | -0.036 | 0.125 |
| Fairbairn & Sayette (2014) | Social | Alcohol’s influence on experience of social interactions: |  |  |
| Sample a |  | Behavior when interacting w/ confederate | 0.018 | 0.347 |
| Sample b |  | Mood when interacting w/ confederate | 0.024 | 0.276 |
| Sample c |  | Mood when interacting w/ other naïve participants | 0.557 | 0.306 |
| Sample d |  | Behavior when interacting w/ other naïve participants | 0.534 | 0.250 |
| Fischer et al. (2011) | Social | Bystander intervention | -0.418 | 0.335 |
| Fox et al. (2011) | Neuorscience |  |  |  |
| Sample a |  | Verbalization and performance | 0.122 | 0.342 |
| Sample b |  | Verbalization and response time | 0.734 | 0.368 |
| Fox et al. (2016) | Cognitive | Human mirror activity: |  |  |
| Sample a |  | Execution | 0.542 | 0.287 |
| Sample b |  | Observation of action | 0.363 | 0.240 |
| Freund & Kasten (2012) | Social | Self-estimates of cognitive ability | 0.675 | 0.161 |
| Grijalva et al. (2015) | Clinical | Gender differences in narcissism: |  |  |
| Sample a |  | Exploitative/Entitlement facet | 0.291 | 0.125 |
| Sample b |  | Leadership/Authority facet | 0.216 | 0.110 |
| Sample c |  | Grandiose/Exhibitionism facet | 0.059 | 0.114 |
| Haedt-Matt & Keel (2011) | Clinical |  |  |  |
| Sample a |  | Pre-binge eating versus average negative affect | 0.693 | 0.200 |
| Sample b |  | Pre-binge eating versus pre-regular eating negative affect | 0.716 | 0.195 |
| Sample c |  | Post-binge eating versus pre-binge eating negative affect | 0.522 | 0.200 |
| arkin et al. (2016) | Cognitive | Progress monitoring interventions on: |  |  |
| Sample a |  | Frequency of progress monitoring | 2.091 | 0.274 |
| Sample b |  | Goal attainment | 0.484 | 0.229 |
| Houben et al. (2015) | Clinical | Psychological well-being and: |  |  |
| Sample a |  | Variable emotions | -0.357 | 0.241 |
| Sample b |  | Unstable emotions | -0.426 | 0.210 |
| Sample c |  | Inertia | 0.265 | 0.210 |
| Sample d |  | Other dimensions | -0.140 | 0.260 |
| Johnsen & Friborg (2015) | Clinical | Effect of cognitive behavioral therapy for unipolar depression: |  |  |
| Sample a |  | Beck Depression Inventory | 1.667 | 0.247 |
| Sample b |  | Hamilton Rating Scale for Depression | 1.791 | 0.256 |
| Karlin et al. (2015) | Industrial/Organizational | Effect of feedback and energy consumption | 0.231 | 0.181 |
| Kim et al (2011) | Clinical |  |  |  |
| Sample a |  | Shame and depressive symptoms | 0.942 | 0.140 |
| Sample b |  | Guilt and depressive symptoms | 0.564 | 0.173 |
| Klahr & Burt (2014) | Genetics | Individual differences in parenting behavior: |  |  |
| Sample a |  | Warmth, child-based studies | 1.165 | 0.155 |
| Sample b |  | Control, child-based studies | 1.079 | 0.173 |
| Sample c |  | Negativity, child-based studies | 1.086 | 0.146 |
| Sample d |  | Warmth, parent-based studies | 0.402 | 0.153 |
| Sample e |  | Control, parent-based studies | 0.271 | 0.163 |
| Sample f |  | Negativity, parent-based studies | 0.445 | 0.163 |
| Koenig et al. (2011) | Industrial/Organizational | Masculinity of leader stereotypes: |  |  |
| Sample a |  | Think manager–think male paradigm, women–leaders | 0.486 | 0.201 |
| Sample b |  | Think manager–think male paradigm, men–leaders | 1.479 | 0.201 |
| Sample c |  | Agency–communion paradigm | 1.450 | 0.200 |
| Sample d |  | Masculinity–Femininity Paradigm | 0.000 | 0.202 |
| Kredlow et al. (2016) | Cognitive | Post-retrieval extinction for preventing return of responses: |  |  |
| Sample a |  | Preventing appetitive responses in non-humans | 0.865 | 0.520 |
| Sample b |  | Preventing fear responses in non-humans | 0.359 | 0.475 |
| Sample c |  | Post-retrieval extinction of fear responses in humans | 0.357 | 0.334 |
| Kuykendall et al. (2015) | Clinical |  |  |  |
| Sample a |  | Leisure engagement and subjective well-being | 0.772 | 0.150 |
| Sample b |  | Leisure satisfaction and subjective well-being | 0.539 | 0.142 |
| Sample c |  | Leisure engagement and leisure satisfaction | 0.865 | 0.139 |
| Landau & Kay (2015) | Cognitive | Nonspecific structure affirmation in response to loss of control | 0.571 | 0.258 |
| Lee et al. (2015) | Industrial/Organizational | Organizational identification and attitudinal/behavioral outcomes | 0.715 | 0.110 |
| Lui (2015) | Cultural | Intergenerational cultural conflict and: |  |  |
| Sample a |  | Acculturation mismatch | 0.519 | 0.193 |
| Sample b |  | Mental health outcomes | -0.404 | 0.185 |
| Sample c |  | Educational outcomes | -0.211 | 0.143 |
| Lull & Bushman (2015) | Consumer | Effect of sex and violence media and ads on: |  |  |
| Sample a |  | Brand memory media | -0.390 | 0.200 |
| Sample b |  | Brand memory ad | -0.088 | 0.200 |
| Sample c |  | Brand attitude media | -0.376 | 0.219 |
| Sample d |  | Brand attitude ad | -0.320 | 0.136 |
| Sample e |  | Buying intention media | -0.151 | 0.158 |
| Sample f |  | Buying intention ad | 0.052 | 0.136 |
| Mazei et al. (2015) | Industrial/Organizational | Gender differences in negotiation outcomes | 0.169 | 0.300 |
| Melby-Lervåg et al (2012) | Educational | Word reading skills and: |  |  |
| Sample a |  | phonemic awareness | 1.284 | 0.185 |
| Sample b |  | rime awareness | 0.907 | 0.210 |
| Sample c |  | verbal short-term memory | 0.692 | 0.191 |
| Melby-Lervåg & Lervåg (2014) | Educational | Differences between first- and second-language learners in: |  |  |
| Sample a |  | Reading comprehension | -0.648 | 0.240 |
| Sample b |  | Language comprehension | -1.134 | 0.266 |
| Sample c |  | Phonological awareness | -0.057 | 0.249 |
| Sample d |  | Decoding | -0.147 | 0.245 |
| Mendelson et al. (2016) | Clinical | Friendship in school-age boys with autism spectrum disorders: |  |  |
| Sample a |  | Peer-rated sociometric | -3.290 | 0.262 |
| Sample b |  | Self-report friendship | -1.093 | 0.321 |
| Mol & Bus (2011) | Educational | Print exposure and reading: |  |  |
| Sample a |  | Preschool and kindergarten children, child-author recognition | 0.686 | 0.191 |
| Sample b |  | Preschool and kindergarten children, adult-author recognition | 0.557 | 0.201 |
| Sample c |  | Preschool and kindergarten children, reading frequency | 0.456 | 0.221 |
| Sample d |  | Preschool and Kindergarten number of books read | 0.703 | 0.221 |
| Sample e |  | Grades 1-12, oral language | 1.103 | 0.262 |
| Sample f |  | Grades 1-12, reading comprehension | 0.825 | 0.303 |
| Sample g |  | Grades 1-12, basic reading skills | 0.566 | 0.252 |
| Sample h |  | Grades 1-12, word recognition | 0.865 | 0.242 |
| Sample i |  | Grades 1-12, spelling | 0.999 | 0.262 |
| Sample j |  | Grades 1-12, IQ | 0.387 | 0.252 |
| Sample k |  | Undergraduate, oral language | 1.365 | 0.303 |
| Sample l |  | Undergraduate, reading comprehension | 0.938 | 0.201 |
| Sample m |  | Undergraduate, basic reading skills | 0.451 | 0.140 |
| Orquin & Kurzban (2016) | Cognitive | Blood glucose effects on decision making | -0.019 | 0.070 |
| Ottaviani et al. (2016) | Cognitive | Physiological concomitants of rumination and worry |  |  |
| Sample a |  | Heart rate (correlational) | 0.226 | 0.280 |
| Sample b |  | Cortisol (correlational) | 0.349 | 0.325 |
| Sample c |  | Cortisol (experimental) | 0.347 | 0.300 |
| Sample d |  | Diastolic blood pressure (experimental) | 0.555 | 0.260 |
| Sample e |  | Heart rate (experimental) | 0.301 | 0.250 |
| Sample f |  | Heart rate variability (correlational) | 0.315 | 0.210 |
| Sample g |  | Heart rate variability (experimental) | 0.146 | 0.190 |
| Sample h |  | Systolic blood pressure (experimental) | 0.497 | 0.255 |
| North & Fiske (2015) | Cultural | Eastern versus Western attitudes to ageing | -0.285 | 0.117 |
| Pahlke et al. (2014) | Educational | Single-sex compared to coeducational schooling: |  |  |
| Sample a |  | Girls’ mathematics performance | 0.118 | 0.131 |
| Sample b |  | Boys’ mathematics performance | 0.147 | 0.079 |
| Pan & Rickard (2015) | Cognitive | Sleep and motor sequence learning | 0.929 | 0.363 |
| Phillips et al. (2016) | Cognitive | Thinking styles and performance: |  |  |
| Sample a |  | Intuitive experience | 0.170 | 0.181 |
| Sample b |  | Intuitive performance | -0.129 | 0.161 |
| Sample c |  | Reflective experience | 0.274 | 0.181 |
| Sample d |  | Reflective performance | 0.232 | 0.181 |
| Pool et al. (2016) | Cognitive | Attentional bias for positive compared with neutral visual stimuli | 0.339 | 0.167 |
| Randall et al. (2014) | Cognitive |  |  |  |
| Sample a |  | Cognitive resources and mind-wandering | -0.184 | 0.175 |
| Sample b |  | Cognitive resources and task performance | 0.410 | 0.156 |
| Sample c |  | Mind-wandering and task performance | -0.330 | 0.245 |
| Sample d |  | Task-related thought and task performance | 0.532 | 0.324 |
| Sambrook & Goslin (2015) | Neuroscience | The effect of reward likelihood and magnitude on feedback related negativity |  |  |
| Sample a |  | Likelihood’s effect on difference measured by mean | -0.780 | 0.350 |
| Sample b |  | Likelihood’s effect on difference measured by peak | -0.929 | 0.351 |
| Sample c |  | Magnitude’s effect on difference measured by mean | -0.460 | 0.305 |
| Sample d |  | Magnitude’s effect on difference measured by peak | -0.494 | 0.293 |
| Sedlmeier et al. (2012) | Cognitive | Effects of meditation on: |  |  |
| Sample a |  | Anxiety state | 0.782 | 0.402 |
| Sample b |  | Anxiety trait | 0.721 | 0.286 |
| Sample c |  | Attention | 0.602 | 0.297 |
| Sample d |  | Behavior | 0.655 | 0.202 |
| Sample e |  | Learning and memory | 0.431 | 0.349 |
| Sample f |  | Emotion regulation | 0.384 | 0.380 |
| Sample g |  | Empathy | 0.601 | 0.265 |
| Sample h |  | Intelligence | 0.410 | 0.252 |
| Sample i |  | Mindfulness | 0.558 | 0.263 |
| Sample j |  | Negative emotions | 0.614 | 0.266 |
| Sample k |  | Neuroticism | 0.696 | 0.239 |
| Sample l |  | Well-being | 0.530 | 0.289 |
| Sample m |  | Negative personality traits | 0.519 | 0.334 |
| Sample n |  | Perception | 0.561 | 0.214 |
| Sample o |  | Positive emotions | 0.480 | 0.303 |
| Sample p |  | Self-concept | 0.460 | 0.299 |
| Sample q |  | Self-realization | 0.547 | 0.333 |
| Sample r |  | Stress | 0.658 | 0.264 |
| Sample s |  | Cognition | 0.445 | 0.384 |
| Sample t |  | Neutral personality traits | 0.129 | 0.242 |
| Sheeran et al. (2014) | Cognitive | Heightening risk appraisals and: |  |  |
| Sample a |  | Intention | 0.335 | 0.181 |
| Sample b |  | Behavior | -0.114 | 0.206 |
| Smith & Lilienfeld (2015) | Clinical | Psychopathy and response modulation | 0.401 | 0.238 |
| Soderberg et al. (2015) | Cognitive | Psychological distance and abstraction: |  |  |
| Sample a |  | Direct effect of distance on construal level | 0.552 | 0.245 |
| Sample b |  | Downstream effect of distance on construal level | 0.570 | 0.226 |
| Tannenbaum et al. (2015) | Cognitive | Fear appeals’ effectiveness for influencing attitudes, intentions, and behaviors | -0.062 | 0.289 |
| Toosi et al. (2012) | Social | Interracial interactions and: |  |  |
| Sample a |  | Attitudes toward partners | 0.125 | 0.246 |
| Sample b |  | Participants’ emotional state | 0.188 | 0.235 |
| Sample c |  | Nonverbal behavior toward partners | 0.211 | 0.256 |
| Sample d |  | Performance | 0.156 | 0.216 |
| Vachon et al. (2014) | Social | Relation between empathy and aggression | -0.174 | 0.184 |
| Verhage et al. (2016) | Developmental | Intergenerational transmission of attachment: |  |  |
| Sample a |  | Secure child–caregiver attachment | 0.631 | 0.285 |
| Sample b |  | Disorganized child–caregiver attachment | 0.419 | 0.252 |
| Voyer & Voyer (2014) | Educational | Gender differences in scholastic achievement: |  |  |
| Sample a |  | Global measures | 0.277 | 0.112 |
| Sample b |  | Language | 0.351 | 0.106 |
| Sample c |  | Mathematics | 0.135 | 0.116 |
| Sample d |  | Science | 0.131 | 0.106 |
| Sample e |  | Social science | 0.245 | 0.092 |
| Sample f |  | Other | 0.291 | 0.119 |
| Vucasović & Bratko (2015) | Genetics | Heritability of personality | 0.859 | 0.143 |
| Wanberg et al. (2016) | Industrial/Organizational | Age and: |  |  |
| Sample a |  | Reemployment status | -0.219 | 0.080 |
| Sample b |  | Reemployment speed | 0.311 | 0.042 |
| Sample c |  | Satisfaction with new job | 0.021 | 0.147 |
| Sample d |  | Job search intensity | -0.145 | 0.137 |
| Sample e |  | Job search self-efficacy | -0.153 | 0.138 |
| Sample f |  | Job search intention | -0.036 | 0.140 |
| Weingarten et al. (2016) | Cognitive | The effect of incidentally presented words on behavior | 0.372 | 0.295 |
| Williams & Tiedens (2016) | Social | Penalty for female dominance behavior: |  |  |
| Sample a |  | Likeability (interaction effect) | -0.591 | 0.166 |
| Sample b |  | Likeability (simple effect) | -0.204 | 0.198 |
| Sample c |  | Downstream outcomes (interaction effect) | -0.086 | 0.267 |
| Sample d |  | Downstream outcomes (simple effect) | 0.010 | 0.183 |
| Sample e |  | Competence (interaction effect) | 0.028 | 0.236 |
| Sample f |  | Competence (simple effect) | -0.271 | 0.230 |
| Winer & Salem (2016) | Clinical | Attentional bias in depressed and anxious people |  |  |
| Sample a |  | Toward negative info (between subjects) | 0.256 | 0.291 |
| Sample b |  | Away from positive info (between subjects) | -0.115 | 0.307 |
| Sample c |  | Toward negative info (within controls) | -0.045 | 0.093 |
| Sample d |  | Away from positive info (within controls) | 0.036 | 0.094 |
| Sample e |  | Toward negative info (within subjects) | 0.069 | 0.101 |
| Sample f |  | Away from positive info (within subjects) | -0.069 | 0.101 |

*Note*: All effect sizes converted into standardized mean difference.

**Appendix A: Studies included in the meta-meta-analysis (***Note:* Numbers in square brackets denote the number of meta-analyses included in the dataset.)

1. Baas, M., Nijstad, B. A., Boot, N. C. & De Dreu, C. K. W. (2016). Mad genius revisited: Vulnerability to psychopathology, biobehavioral approach-avoidance, and creativity. *Psychological Bulletin*, *142*, 668-692. <doi:10.1037/bul0000049> [2]
2. Balliet, D., Li, N. P., Macfarlan, S. J. & Van Vugt, M. (2011). Sex differences in cooperation: A meta-analytic review of social dilemmas. *Psychological Bulletin, 137*, 881–909. [doi: 10.1037/a0025354](http://dx.doi.org/10.1037/a0025354) [1]
3. Balliet, D., Mulder, L. B. & Van Lange, P. A. M. (2011). Reward, punishment, and cooperation: A meta-analysis. *Psychological Bulletin, 137,* 594-615. [doi: 10.1037/a0023489](http://dx.doi.org/10.1037/a0023489) [2]
4. Balliet, D., Wu, J. & De Dreu, C. K. W. (2014). Ingroup favoritism in cooperation: A meta-analysis. *Psychological Bulletin,* *140*, 1556-1581. [doi: 10.1037/a0037737](http://dx.doi.org/10.1037/a0037737) [1]
5. Brewin, C. R. (2014). Episodic memory, perceptual memory, and their interaction: Foundations for a theory of posttraumatic stress disorder. *Psychological Bulletin,* 140, 69–97. [doi: 10.1037/a0033722](http://dx.doi.org/10.1037/a0033722) [1]
6. Byron, K. & Khazanchi, S. (2011). Rewards and creative performance: A meta-analytic test of theoretically derived hypotheses. *Psychological Bulletin, 138*, 809–830. [1]
7. Cerasoli, C. P. & Nicklin, J. M. (2014). Intrinsic motivation and extrinsic incentives jointly predict performance: A 40-year meta-analysis. *Psychological Bulletin,* *140*, 980-1008.  [doi: 10.1037/a0035661](http://dx.doi.org/10.1037/a0035661) [1]
8. Chaplin, T. M. & Aldao, A. (2013). Gender differences in emotion expression in children: A meta-analytic review. *Psychological Bulletin,* 139, 735-765. [doi: 10.1037/a0030737](http://dx.doi.org/10.1037/a0030737) [4]
9. Defoe, I. N., Dubas, J.S. & Figner, B. (2015). A meta-analysis on age differences in risky decision making: Adolescents versus children and adults. *Psychological Bulletin,* 141, 48–84. [doi: 10.1037/a0038088](http://psycnet.apa.org/doi/10.1037/a0038088.search) [4]
10. Degner, J. & Dalege, J. (2013). The apple does not fall far from the tree, or does it? A meta-analysis of parent–child similarity in intergroup attitudes. *Psychological Bulletin,* 139, 1270–1304. [doi: 10.1037/a0031436](http://dx.doi.org/10.1037/a0031436) [1]
11. Eastwick, P. W., Finkel, E. J., Luchies, L. B. & Hunt, L. L. (2014). The predictive validity of ideal partner preferences: A review and meta-analysis. *Psychological Bulletin,* 140, 623– 665. [doi: 10.1037/a0032432](http://dx.doi.org/10.1037/a0032432) [4]
12. Else-Quest, N. M., Higgins, A., Allison, C. & Morton, L. C. (2012). Gender differences in self-conscious emotional experience. *Psychological Bulletin,* 138, 947–981.  [doi:10.1037/a0027930](http://dx.doi.org/10.1037/a0027930) [5]
13. Fairbairn, C. E. & Sayette, M. A. (2014). A social-attributional analysis of alcohol response. *Psychological Bulletin,* 140, 1361-82. [doi: 10.1037/a0037563](http://dx.doi.org/10.1037/a0037563) [4]
14. Fischer, P., Krueger, J. I., Greitemeyer, T., Vogrincic, C., Kastenmüller, A., Frey, D., Heene, M., Wicher, M., & Kainbacher, M. (2011). The bystander-effect: A meta-analytic review on bystander intervention in dangerous and non-dangerous emergencies. *Psychological Bulletin, 137*, 517–537. [doi: 10.1037/a0023304](http://dx.doi.org/10.1037/a0023304) [1]
15. Fox, M.C., Ericsson, A. & Best, (2011). Do procedures for verbal reporting of thinking have to be reactive? A meta-analysis and recommendations for best reporting methods. *Psychological Bulletin, 137*, 316 –344. [doi: 10.1037/a0021663](http://dx.doi.org/10.1037/a0021663) [2]
16. Fox, N. A., You, K. H., Bowman, L. C., Cannon, E. N., Ferrari, P. F., Bakermans-Kranenburg, M. J., Vanderwert, R. E. & van IJzendoorn, M. H. (2016). Assessing human mirror activity with EEG mu rhythm: A meta-analysis. *Psychological Bulletin,* 142, 291–313. [doi:10.1037/bul0000031](http://dx.doi.org/10.1037/bul0000031) [2]
17. Freund, P. A. & Kasten, N. (2012). How smart do you think you are? A meta-analysis on the validity of self-estimates of cognitive ability. *Psychological Bulletin*, 138, 296-321. [doi:10.1037/a0026556](http://dx.doi.org/10.1037/a0026556) [1]
18. Grijalva, E., Newman, D. A., Tay, L., Donnellan, M. B., Harms, P. D. & Robins, R. W. (2015). Gender differences in narcissism: A meta-analytic review. *Psychological Bulletin,* 141, 261-310. [doi: 10.1037/a0038231](http://dx.doi.org/10.1037/a0038231) [3]
19. Haedt-Matt, A. A. & Keel, P. K. (2011). Revisiting the affect regulation model of binge eating: A meta-analysis of studies using ecological momentary assessment. *Psychological Bulletin,* *137*, 660–681. [doi: 10.1037/a0023660](http://dx.doi.org/10.1037/a0023660) [3]
20. Harkin, B., Webb, T. L., Prestwich, A., Conner, M., Kellar, I., Benn, Y. & Sheeran, P. (2016). Does monitoring goal progress promote goal attainment? A meta-analysis of the experimental evidence. *Psychological Bulletin,* *142*, 198-229. [doi: 10.1037/bul0000025](http://dx.doi.org/10.1037/bul0000025) [2]
21. Houben, M., Van Den Noortgate, W., & Kuppens, P. (2015). The relation between short-term emotion dynamics and psychological well-being: A meta-analysis. *Psychological Bulletin, 141*, 901-930. [doi:10.1037/a0038822](http://dx.doi.org/10.1037/a0038822) [4]
22. Johnsen, T. J. & Friborg, O. (2015). The effects of cognitive behavioral therapy as an anti-depressive treatment is falling: A meta-analysis. *Psychological Bulletin*, 141, 747-768. [2]
23. Karlin, B., Zinger, J. F. & Ford, R. (2015). The effects of feedback on energy conservation: A meta-analysis. *Psychological Bulletin,* *141*, 1205-1227. [doi: 10.1037/a0039650](http://dx.doi.org/10.1037/a0039650) [1]
24. Kim, S., Thibodeau, R. & Jorgensen, R. S. (2011). Shame, guilt, and depressive symptoms: A meta-analytic review. *Psychological Bulletin,* 137, 68 –96. [doi: 10.1037/a0021466](http://dx.doi.org/10.1037/a0021466) [2]
25. Klahr, A. M. & Burt, S. A. (2014). Elucidating the etiology of individual differences in parenting: A meta-analysis of behavioral genetic research. *Psychological Bulletin,* 140, 544–586. [doi: 10.1037/a0034205](http://dx.doi.org/10.1037/a0034205) [6]
26. Koenig, A. M., Eagly, A. H., Mitchell, A. A. & Ristikari, T. (2011). Are leader stereotypes masculine? A meta-analysis of three research paradigms. *Psychological Bulletin, 137*, 616 – 642. [doi: 10.1037/a0023557](http://dx.doi.org/10.1037/a0023557) [4]
27. Kredlow, M. A., Unger, L. D. & Otto, M. W. (2016). Harnessing reconsolidation to weaken fear and appetitive memories: A meta-analysis of post-retrieval extinction effects. *Psychological Bulletin,* 142, 314–336. [doi: 10.1037/bul0000034](http://dx.doi.org/10.1037/bul0000034) [3]
28. Kuykendall, L., Tay, L. & Ng, V. (2015). Leisure engagement and subjective well-being: A meta-analysis. *Psychological Bulletin, 141,* 364-403. [doi:10.1037/a0038508](http://dx.doi.org/10.1037/a0038508) [3]
29. Landau, M. J. & Kay, A. C. (2015). Compensatory control and the appeal of a structured world. *Psychological Bulletin* *141*, 694–722. [doi: 10.1037/a0038703](http://dx.doi.org/10.1037/a0038703) [1]
30. Lee, E-S., Park, T-Y. & Koo, B. (2015). Identifying organizational identification as a basis for attitudes and behaviors: A meta-analytic review. *Psychological Bulletin*, *141*, 1049–1080. [doi: 10.1037/bul0000012](http://dx.doi.org/10.1037/bul0000012) [1]
31. Lui, P. P. (2015). Intergenerational cultural conflict, mental health, and educational outcomes among Asian and Latino/a Americans: Qualitative and meta-analytic review. *Psychological Bulletin, 141*, 404-446. [doi:10.1037/a0038449](http://dx.doi.org/10.1037/a0038449) [3]
32. Lull, R. B. & Bushman, B. J. (2015). Do sex and violence sell? A meta-analytic review of the effects of sexual and violent media and ad content on memory, attitudes, and buying intentions. *Psychological Bulletin*, *141*, 1022–1048. [doi: 10.1037/bul0000018](http://psycnet.apa.org/doi/10.1037/bul0000018.search) [6]
33. Mazei, J., Freund, P. A., Hüffmeier, J. & Stuhlmacher, A. F. (2015). A meta-analysis on gender differences in negotiation outcomes and their moderators. *Psychological Bulletin, 141*, 85–104. doi: 10.1037/a0038184 [1]
34. Melby-Lervåg, M., Lyster, S. A. & Hulme, C. (2012). Phonological skills and their role in learning to read: A meta-analytic review. *Psychological Bulletin, 138*, 322–352. [doi: 10.1037/a0026744](http://dx.doi.org/10.1037/a0026744) [3]
35. Melby-Lervåg, M. & Lervåg, A. (2014). Reading comprehension and its underlying components in second-language learners: A meta-analysis of studies comparing first- and second-language learners. *Psychological Bulletin, 140*, 409–433. [doi: 10.1037/a0033890](http://dx.doi.org/10.1037/a0033890) [4]
36. Mendelson, J. L., Gates, J. A. & Lerner, M. D. (2016). Friendship in school-age boys with autism spectrum disorders: A meta-analytic summary and developmental, process-based model. *Psychological Bulletin, 142*, 601-622. [doi: 10.1037/bul0000041](http://dx.doi.org/10.1037/bul0000041) [2]
37. Mol, S. E. & Bus, A. G. (2011). To read or not to read: A meta-analysis of print exposure from infancy to early adulthood. *Psychological Bulletin, 137,* 267–296. [doi: 10.1037/a0021890](http://dx.doi.org/10.1037/a0021890) [13]
38. Orquin, J. L. & Kurzban, R. (2016). A meta-analysis of blood glucose effects on human decision making. *Psychological Bulletin,* 142, 546–567. [doi: 10.1037/bul0000035](http://dx.doi.org/10.1037/bul0000035) [1]
39. Ottaviani, C., Verkuil, B., Medea, B., Couyoumdjian, A., Thayer, J.F., Lonigro, A. & Brosschot, J. F. (2016). Physiological concomitants of perseverative cognition: A systematic review and meta-analysis. *Psychological Bulletin*, 142, No. 3, 231–259. [doi: 10.1037/bul0000036](http://dx.doi.org/10.1037/bul0000036) [8]
40. North, M. S. & Fiske, S. T. (2015). Modern attitudes toward older adults in the aging world: A cross-cultural meta-analysis. *Psychological Bulletin*, 141, 993–1021. [doi: 10.1037/a0039469](http://dx.doi.org/10.1037/a0039469) [1]
41. Pahlke, E., Hyde, J. S. & Allison, C. M. (2014). The effects of single-sex compared with coeducational schooling on students’ performance and attitudes: A meta-analysis. *Psychological Bulletin, 140*, 1042-1072. [doi: 10.1037/a0035740](http://dx.doi.org/10.1037/a0035740) [2]
42. Pan, S. C. & Rickard, T. C. (2015). Sleep and motor learning: Is there room for consolidation? *Psychological Bulletin*, 141, 812-834. [doi: 10.1037/bul0000009](http://dx.doi.org/10.1037/bul0000009) [1]
43. Phillips, W. J., Fletcher, J. M., Marks, A. D. G. & Hine, D. W. (2016). Thinking styles and decision making: A meta-analysis. *Psychological Bulletin*, 142, No. 3, 260–290. [doi: 10.1037/bul0000027](http://dx.doi.org/10.1037/bul0000027) [4]
44. Pool, E., Brosch, T., Delplanque, S. & Sander, D. (2016). Attentional bias for positive emotional stimuli: A meta-analytic investigation. *Psychological Bulletin*, 142, No. 1, 79–106. [doi: 10.1037/bul0000026](http://dx.doi.org/10.1037/bul0000026) [1]
45. Randall, J. G., Oswald, F. L. & Beier, M. E. (2014). Mind-wandering, cognition, and performance: A theory-driven meta-analysis of attention regulation. *Psychological Bulletin*, *140*, 1411–1431. [doi: 10.1037/a0037428](http://dx.doi.org/10.1037/a0037428) [4]
46. Sambrook, T. D. & Goslin, J. (2015). A neural reward prediction error revealed by a meta-analysis of ERPs using great grand averages. *Psychological Bulletin*, *141*, 213–235. [doi: 10.1037/bul0000006](http://dx.doi.org/10.1037/bul0000006) [4]
47. Sedlmeier, P., Eberth, J., Schwarz, M., Zimmermann, D., Haarig, F., Jaeger, S. & Kunze, S. (2012). The psychological effects of meditation: A meta-analysis. *Psychological Bulletin,* *138*, 1139–1171. [doi: 10.1037/a0028168](http://dx.doi.org/10.1037/a0028168) [20]
48. Sheeran, P., Harris, P. R. and Epton, T. (2014). Does heightening risk appraisals change people’s intentions and behavior? A meta-analysis of experimental studies. *Psychological Bulletin*, *140*, 511–543. [doi: 10.1037/a0033065](http://dx.doi.org/10.1037/a0033065) [2]
49. Smith, S. F. & Lilienfeld, S. O. (2015). The response modulation hypothesis of psychopathy: A meta-analytic and narrative analysis. *Psychological Bulletin,* 141, 1145–1177. [doi: 10.1037/bul0000024](http://dx.doi.org/10.1037/bul0000024) [1]
50. Soderberg, C. K., Amit, E., Callahan, S. P., Kochersberger, A. O. & Ledgerwood, A. (2015). The effects of psychological distance on abstraction: Two meta-analyses. *Psychological Bulletin, 141*, 3, 525–548. [doi:10.1037/bul0000005](http://dx.doi.org/10.1037/bul0000005) [2]
51. Tannenbaum, M. B., Hepler, J., Zimmerman, R. S., Saul, L., Jacobs, S., Wilson, K. & Albarracín, D. (2015). Appealing to fear: A meta-analysis of fear appeal effectiveness and theories. *Psychological Bulletin, 141*, 1178–1204. [doi:10.1037/a0039729](http://dx.doi.org/10.1037/a0039729) [1]
52. Toosi, N. R., Babbitt, L. G., Ambady, N. & Sommers, S.R. (2012). Dyadic interracial interactions: A meta-analysis. *Psychological Bulletin, 138*, 1–27.  [doi: 10.1037/a0025767](http://dx.doi.org/10.1037/a0025767) [4]
53. Vachon, D. D., Lynam, D. R. & Johnson, J. A. (2014). The (Non)relation between empathy and aggression: Surprising results from a meta-analysis. *Psychological Bulletin, 140*, 751–773. [doi: 10.1037/a0035236](http://psycnet.apa.org/doi/10.1037/a0035236.search) [1]
54. Verhage, M. L., Schuengel, C., Madigan, S., Fearon, R. M. P., Oosterman., M., Cassibba, R., Bakermans-Kranenburg, M. J. & van IJzendoorn, M. H. (2016). Narrowing the transmission gap: A synthesis of three decades of research on intergenerational transmission of attachment. *Psychological Bulletin*, *142*, 337–366. [doi: 10.1037/bul0000038](http://dx.doi.org/10.1037/bul0000038) [2]
55. von Stumm, S. & Ackerman, P. L. (2013). Investment and intellect: A review and meta-analysis. *Psychological Bulletin*, *139*, 841–869. [doi: 10.1037/a0030746](http://dx.doi.org/10.1037/a0030746) [11]
56. Voyer, D. & Voyer, S. D. (2014). Gender differences in scholastic achievement: A meta-analysis. *Psychological Bulletin*, *140*, 1174-1204. [doi: 10.1037/a0036620](http://dx.doi.org/10.1037/a0036620) [6]
57. Vucasović, T. & Bratko, D. (2015). Heritability of personality: A meta-analysis of behavior genetic studies. *Psychological Bulletin*, *141*, 769–785. [doi:10.1037/bul0000017](http://dx.doi.org/10.1037/bul0000017) [1]
58. Wanberg, C. R., Hamann, D. J., Kanfer, R. & Zhang, Z. (2016). Age and reemployment success after job loss: An integrative model and meta-analysis. *Psychological Bulletin*, *142*, 400-426. [doi: 10.1037/bul0000019](http://dx.doi.org/10.1037/bul0000019) [6]
59. Weingarten, E., Chen, Q., McAdams, M., Yi, J. & Hepler, J. (2016). From primed concepts to action: A meta-analysis of the behavioral effects of incidentally presented words. *Psychological Bulletin,* *142*, 472–497. [doi: 10.1037/bul0000030](http://dx.doi.org/10.1037/bul0000030) [1]
60. Williams, M. J. & Tiedens, L. Z. (2016). The subtle suspension of backlash: A meta-analysis of penalties for women’s implicit and explicit dominance behaviour. *Psychological Bulletin*, *142*, 165–197. [doi: 10.1037/bul0000039](http://dx.doi.org/10.1037/bul0000039) [6]
61. Winer, E. S. & Salem, T. (2016). Reward *de*valuation: Dot-probe meta-analytic evidence of avoidance of positive information in depressed persons. *Psychological Bulletin*, *142*, 18–78. [doi: 10.1037/bul0000022](http://dx.doi.org/10.1037/bul0000022) [6]

**Appendix B.** Distribution of survey estimates.

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| --- | --- | --- | --- | --- | --- |
| **Year** | **Number of meta-analyses published** | **Number of meta-analyses sampled** | **% of published meta-studies** | **Number of estimates** | **% of sample** |
| 2016 | 17 | 14 | 82% | 46 | 22% |
| 2015 | 22 | 18 | 82% | 40 | 19% |
| 2014 | 25 | 12 | 48% | 46 | 22% |
| 2013 | 17 | 3 | 18% | 16 | 8% |
| 2012 | 15 | 6 | 40% | 34 | 16% |
| 2011 | 19 | 8 | 42% | 31 | 15% |
|  |  |  |  |  |  |