

- Animation—GIF, JPEG, Flash/Shockwave
- Images—GIF, JPEG, TIFF

Less widely used file formats, including TeX, LaTeX, any client- or server-side scripting (e.g., Java, CGI), executable files, and software applications, are acceptable but may be of less use to the reader who does not have access to specialized programs. Many users refuse to deal with executable files or operate from systems that refuse to access them.

For APA journals, the link to online supplemental archives that appears in the published article leads readers to a landing page that includes a bibliographic citation, a link to the published article, and a context statement and link for each supplemental material file (see an example of a sample landing page at www.apastyle.org). Supplemental materials should include enough information to make their contents interpretable when accompanied by the published text. For more information on supplemental materials, see Chapter 8.

Most journals make supplemental materials subject to peer review and require that they be submitted with the initial manuscript. Once accepted, the supplemental materials will be posted with no further editing or polishing.

Include an appendix or supplemental materials only if they help readers to understand, evaluate, or replicate the study or theoretical argument being made. Be sure that all relevant ethical standards have been followed for appendices and supplemental materials, including copyright protection, accurate representation of data, and protection of human subjects (e.g., content of video clips if human images).

Sample Papers

These sample papers illustrate three kinds of manuscripts: one-experiment (Figure 2.1), two-experiment (Figure 2.2), and meta-analysis (Figure 2.3). The three manuscripts have been adapted for the *Publication Manual* from articles published in APA journals. The numbers referred to in the shaded boxes refer to numbered sections in the *Publication Manual*.

Figure 2.1 Sample One-Experiment Paper: Effects of Age on Detection of Emotional Information

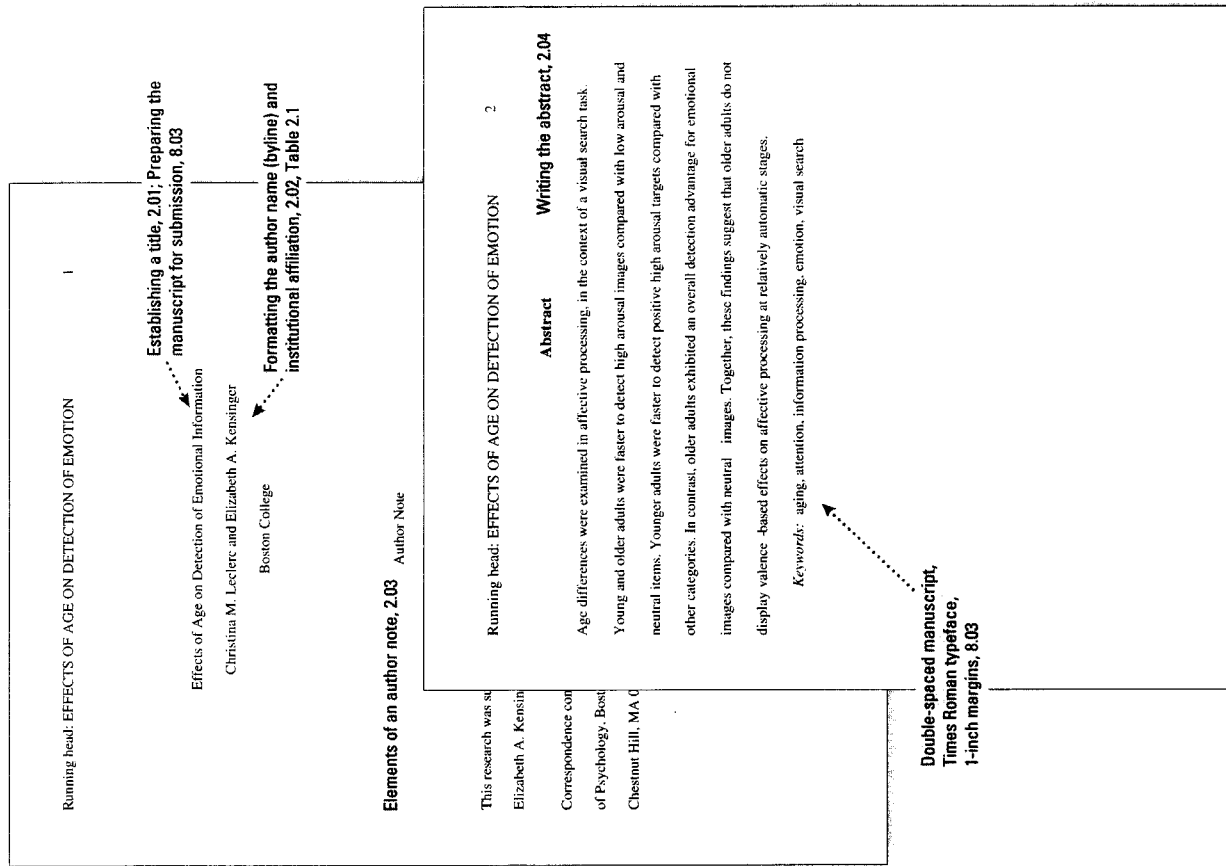


Figure 2.1.

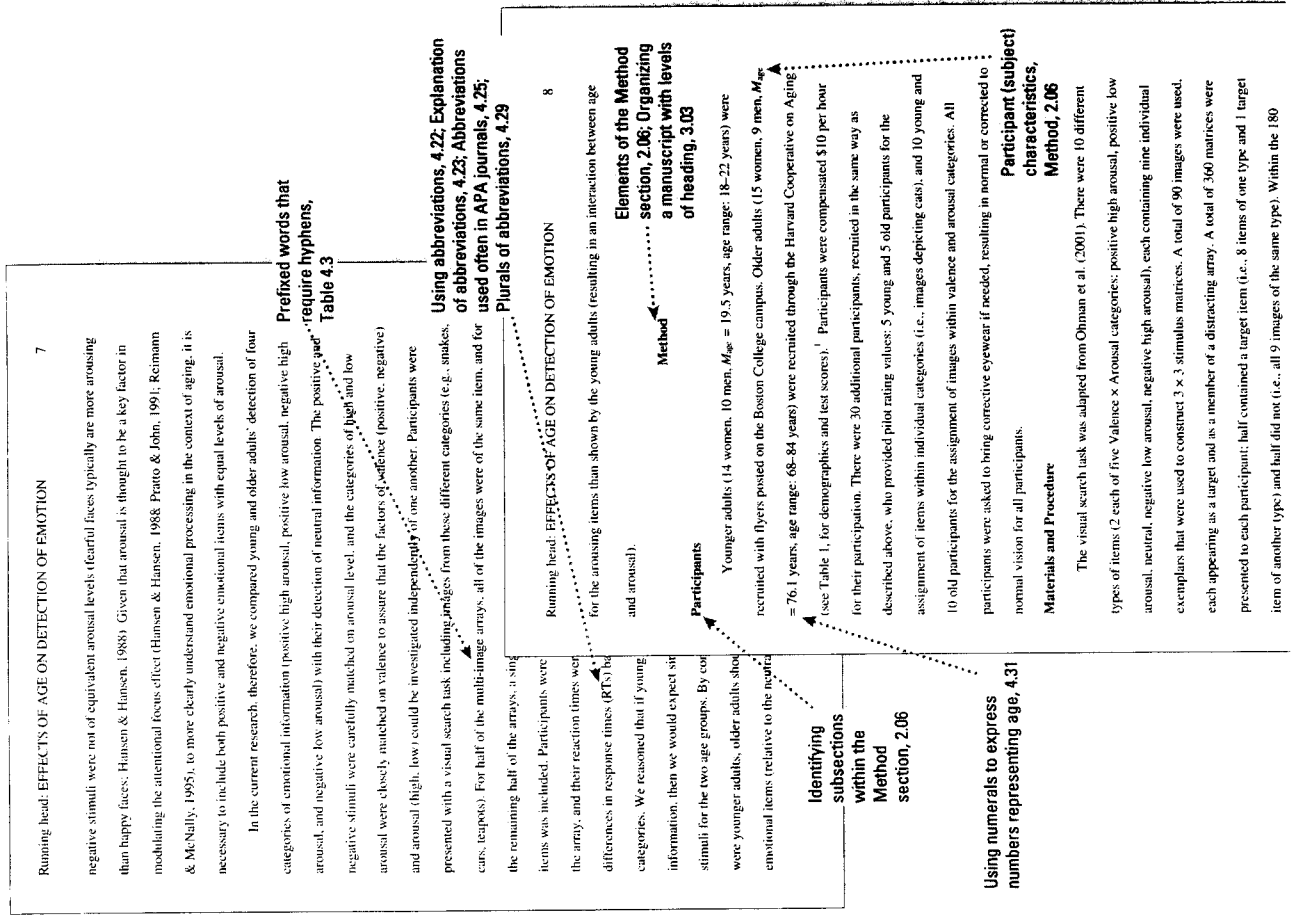


Figure 2.1.

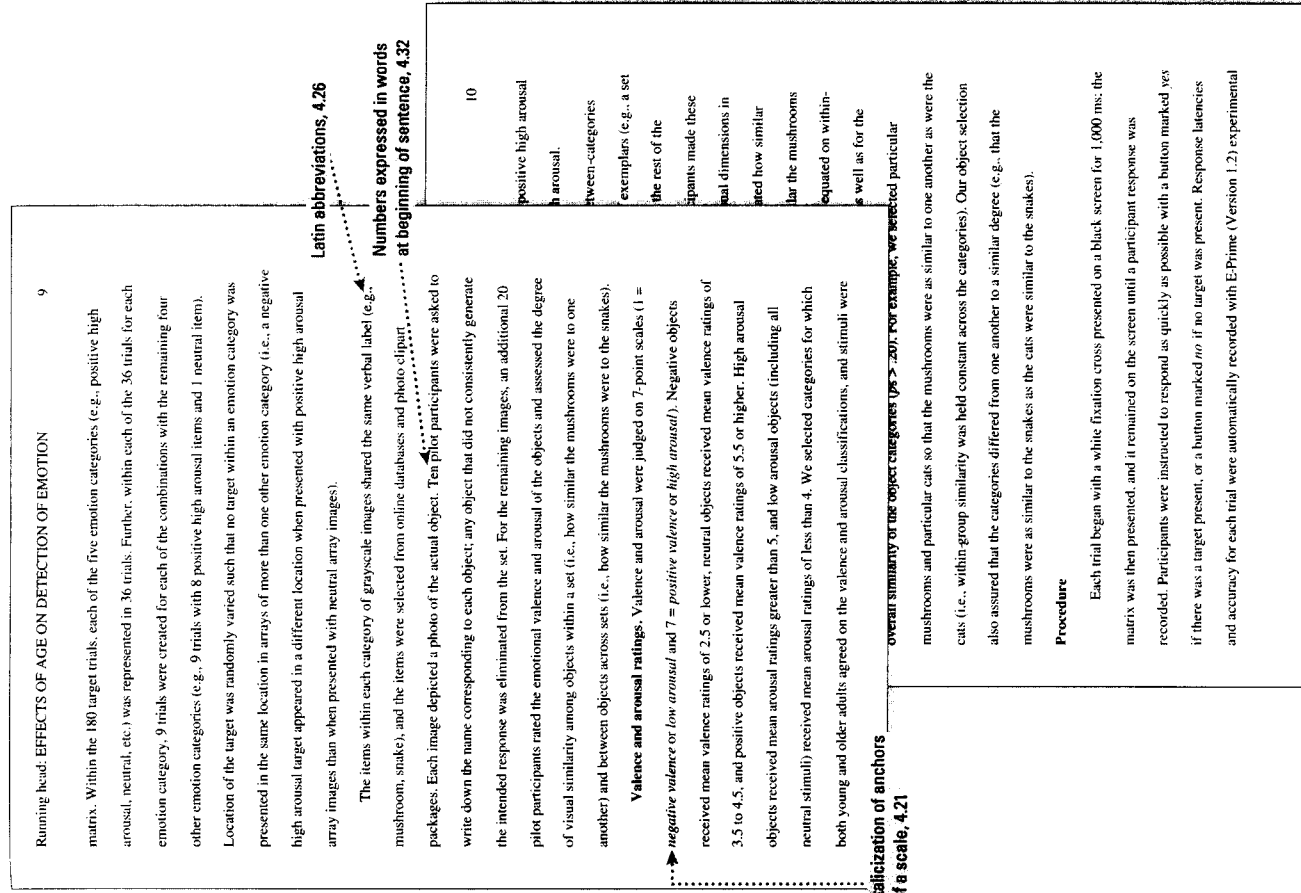


Figure 2.1

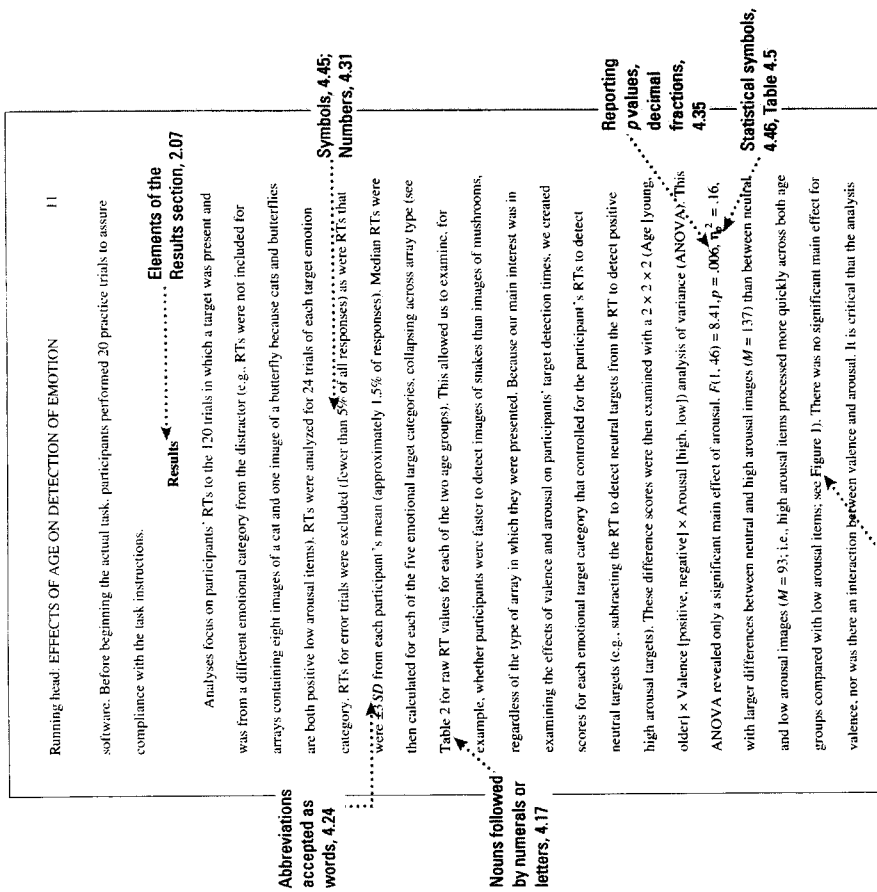
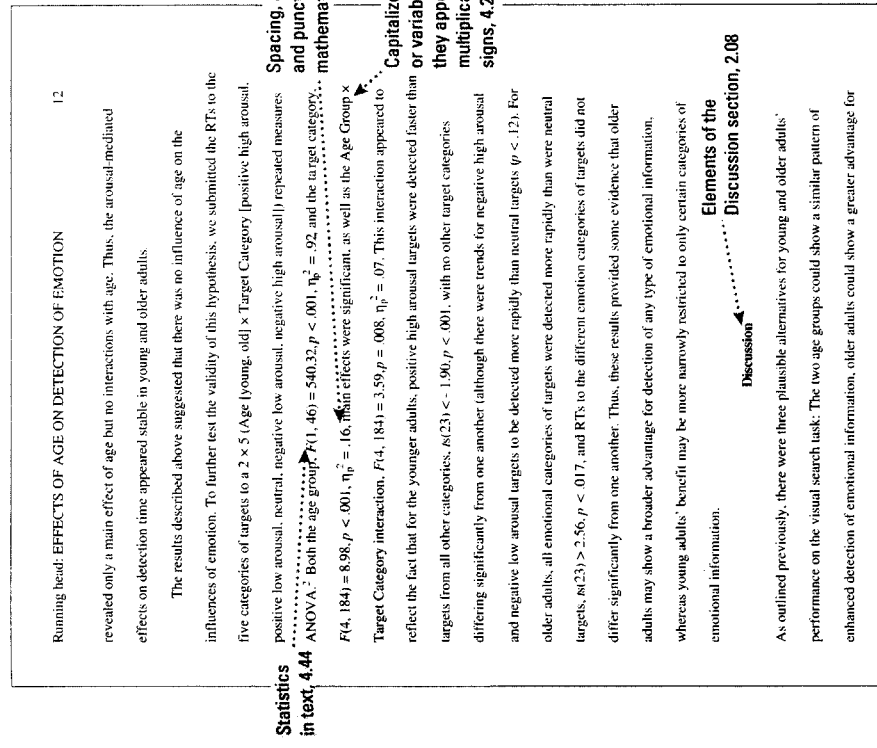


Figure 2.1



Running head: EFFECTS OF AGE ON DETECTION OF EMOTION 13

emotional detection than young adults, or older adults could show a greater facilitation than young adults only for the detection of positive information. The results lent some support to the first two alternatives, but no evidence was found to support the third alternative.

In line with the first alternative, no effects of age were found when the influence of valence and arousal on target detection times was examined; both age groups showed only an arousal effect. This result is consistent with prior studies that indicated that arousing information can be detected rapidly and automatically by young adults (Anderson, Christoff, Panitz, De Rosa, & Gabrieli, 2003; Ohman & Mineka, 2001) and that older adults (like younger adults, continue to display a threat detection advantage when searching for negative facial targets in arrays of positive and neutral distractors (Hahn et al., 2006; Mather & Knight, 2000). Given the

relative preservation of
& Bennett, 2004; Jenni
to take advantage of the
However, despite
age groups, the present
age-related enhancements
the five categories of et
high arousal images (as
advantage for detecting
suggests a broader influ
for the hypothesis that
It is interesting
that the positivity effect

Use of an em dash to indicate an interruption in the continuity of a sentence, 4.06;
Description of an em dash, 4.13

Clear statement of support or nonsupport of hypotheses, Discussion, 2.08

Running head: EFFECTS OF AGE ON DETECTION OF EMOTION 14

processing, given that no effects of valence were observed in older adults' detection speed. In the present study, older adults were equally fast to detect positive and negative information,

consistent with prior research that indicated that older adults often attend equally to positive and negative stimuli (Rosler et al., 2005). Although the pattern of results for the young adults has differed across studies—in the present study and in some past research, young adults have shown facilitated detection of positive information (e.g., Anderson, 2005; Calvo & Lang, 2004; Carrette et al., 2004; Juhet et al., 2005; Nummenmaa et al., 2006), whereas in other studies, young adults have shown an advantage for negative information (e.g., Armony & Dolan, 2002; Hansen & Hansen, 1988; Mogg, Bradley, de Bono, & Painter, 1997; Pratto & John, 1991; Reinmann & McNally, 1995; Williams, Mathews, & MacLeod, 1996)—what is important to note is that the older adults detected both positive and negative stimuli at equal rates. This equivalent detection of positive and negative information provides evidence that older adults display an advantage for the detection of emotional information that is not valence-specific.

Thus, although younger and older adults exhibited somewhat divergent patterns of emotional detection on a task reliant on early, relatively automatic stages of processing, we found no evidence of an age-related positivity effect. The lack of a positivity focus in the older adults is in keeping with the proposal (e.g., Mather & Knight, 2006) that the positivity effect does not arise through automatic attentional influences. Rather, when this effect is observed in older adults, it is likely due to age-related changes in emotion regulation goals that operate at later stages of processing (i.e., during consciously controlled processing); once information has been attended to and once the emotional nature of the stimulus has been discerned.

Although we cannot conclusively say that the current task relies strictly on automatic processes, there are two lines of evidence suggesting that the construct examined in the current

Running head: EFFECTS OF AGE ON DETECTION OF EMOTION 15

research examines relatively automatic processing. First, in their previous work, Ohman et al. (2001) compared RTs with both 2 × 2 and 3 × 3 arrays. No significant RT differences based on the number of images presented in the arrays were found. Second, in both Ohman et al.'s (2001) study and the present study, analyses were performed to examine the influence of target location on RT. Across both studies, and across both age groups in the current work, emotional targets were detected more quickly than were neutral targets, regardless of their location. Together, these findings suggest that task performance is dependent on relatively automatic detection processes rather than on controlled search processes.

Although further work is required to gain a more complete understanding of the age-related changes in the early processing of emotional information, our findings indicate that young and older adults study provides further of emotional images an (Fleischman et al., 2004) although there is evidence information (e.g., Carst present results suggest tasks require relatively

Running head: EFFECTS OF AGE ON DETECTION OF EMOTION 16

Construction of an accurate and complete reference list, 6.22;
General description of references, 2.11

Anderson, A. K. (2005). Affective influences on the attentional dynamics supporting awareness. *Journal of Experimental Psychology: General*, *134*, 258–281. doi:10.1037/0096-3445.134.2.258

Anderson, A. K., Christoff, K., Panitz, D., De Rosa, E., & Gabrieli, J. D. E. (2003). Neural correlates of the automatic processing of threat facial signals. *Journal of Neuroscience*, *23*, 5627–5633.

Armony, J. L., & Dolan, R. J. (2002). Modulation of spatial attention by fear-conditioned stimuli: An event-related fMRI study. *Neuropsychologia*, *40*, 817–826. doi:10.1016/S0028-3932(02)90178-6

Beck, A. T., Epstein, N., Brown, G., & Steer, R. A. (1988). An inventory for measuring clinical anxiety: Psychometric properties. *Journal of Consulting and Clinical Psychology*, *56*, 893–897. doi:10.1037/0022-006X.56.6.893

Calvo, M. G., & Lang, P. J. (2004). Gaze patterns when looking at emotional pictures: Motivationally biased attention. *Motivation and Emotion*, *28*, 221–243. doi:10.1023/B:3AM0EM.0000040153.26156.e4

Carrette, L., Hinojosa, J. A., Marín-Löeches, M., Mercado, F., & Tapia, M. (2004). Automatic attention to emotional stimuli: Neural correlates. *Human Brain Mapping*, *22*, 290–299. doi:10.1002/hbm.20037

Carstensen, L. L. (1992). Social and emotional patterns in adulthood: Support for socioemotional selectivity theory. *Psychology and Aging*, *7*, 331–338. doi:10.1037/0882-7974.7.3.331

Carstensen, L. L., Fung, H., & Charles, S. (2003). Socioemotional selectivity theory and the regulation of emotion in the second half of life. *Motivation and Emotion*, *27*, 103–123.

Figure 21. Sample of a Bibliometric Page Content

Running head: EFFECTS OF AGE ON DETECTION OF EMOTION	17
Carstensen, L. L., & Mikels, J. A. (2005). At the intersection of emotion and cognition: Aging and the positivity effect. <i>Current Directions in Psychological Science</i> , 14, 117-121. doi: 10.1111/j.0963-7214.2005.00348.x	
Charles, S. T., Mather, M., & Carstensen, L. L. (2003). Aging and emotional memory: The forgettable nature of negative emotional memories. <i>Psychology of Women Quarterly</i> , 27, 33-44.	
Chow, T. W., & Cummings, J. L. (2004). Aging and memory: A meta-analysis of the literature. <i>Journal of Aging and Health</i> , 16, 1009-1024.	
Aggleton (Ed)	
Oxford University Press	
Davis, M., & Whalen	
Running head: EFFECTS OF AGE ON DETECTION OF EMOTION	18
Griffin, D., Smith, J., & Baltes, P. B. (2005). No aging bias favoring memory for positive material: Evidence from a heterogeneity-homogeneity list paradigm using emotionally toned words. <i>Psychology and Aging</i> , 20, 579-588. doi: 10.1037/0882-7974.20.4.579	
Hahn, S., Carlson, C., Singer, S., & Gronlund, S. D. (2006). Aging and visual search: Automatic	
doi:	
10.1037/1528-3542.21.118	
Running head: EFFECTS OF AGE ON DETECTION OF EMOTION	19
Kensinger, E. A., Brierley, B., Medford, N., Growdon, J. H., & Corkin, S. (2002). Effects of normal aging and Alzheimer's disease on emotional memory. <i>Emotion</i> , 2, 118-134. doi: 10.1037/1528-3542.2.2.118	
Lang, P. J., Bradley, M. M., & Cuthbert, B. N. (1997). Motivated attention: Affect, activation, and action. In P. J. Lang, R. F. Simons, & M. Balaban (Eds.), <i>Attention and orienting: Sensory and motivational processes</i> (pp. 97-135). Mahwah, NJ: Erlbaum.	
Leclerc, C. M., & Hess, T. M. (2005, August). Age differences in processing of affectively primed information: Poster session presented at the 113th Annual Convention of the American Psychological Association, Washington, DC.	
LeDoux, J. E. (1995). Emotion: Clues from the brain. <i>Annual Review of Psychology</i> , 46, 209-235. doi:10.1146/annurev.ps.46.020195.001233	
Mather, M., & Knight, M. (2005). Goal-directed memory: The role of cognitive control in older adults' emotional memory. <i>Psychology and Aging</i> , 20, 554-570. doi: 10.1037/0882-7974.20.4.554	
Mather, M., & Knight, M. R. (2006). Angry faces get noticed quickly: Threat detection is not impaired among older adults. <i>Journals of Gerontology, Series B: Psychological Sciences</i> , 61B, P54-P57.	
Mogg, K., Bradley, B. P., de Bono, J., & Painter, M. (1997). Time course of attentional bias for threat information in non-clinical anxiety. <i>Behavioral Research Therapy</i> , 35, 297-303.	
Nelson, H. E. (1976). A modified Wisconsin card sorting test sensitive to frontal lobe defects. <i>Cortex</i> , 12, 313-324.	

Figure 21. Sample of a Bibliometric Page Content

Running head: EFFECTS OF AGE ON DETECTION OF EMOTION	20
Nunnenmaier, L., Hyona, J., & Calvo, M. G. (2006). Eye movement assessment of selective attentional capture by emotional pictures. <i>Emotion</i> , 6, 257-268. doi: 10.1037/1528-3542.6.2.257	
Ohman, A., Flykt, A., & Esteves, F. (2001). Emotion drives attention: Detecting the snake in the grass. <i>Cognition</i> , 79, 115-132.	
Running head: EFFECTS OF AGE ON DETECTION OF EMOTION	21
Rosler, A., Ulrich, C., Billino, J., Sterzer, P., Weidauer, S., Bernhardt, T., ... Kleinschmidt, A. (2005). Effects of arousing emotional scenes on the distribution of visuospatial attention: Changes with aging and early subcortical vascular dementia. <i>Journal of the Neurological Sciences</i> , 229, 109-116. doi:10.1016/j.jns.2004.11.007	
Shipley, W. C. (1986). <i>Shipley Institute of Living Scale</i> . Los Angeles: Western Psychological Services.	
Spielberger, C. D., Gorsuch, R. L., Lushene, P. R., Vagg, P. R., & Jacobs, P. G. (1970). <i>Manual for the State-Trait Anger Expression Inventory</i> . Palo Alto, CA: Consulting Psychologists Press.	
Wechsler, D. (1987). <i>Manual for the Wechsler Adult Intelligence Scale-III</i> . New York: The Psychological Corporation.	
Wechsler, D. (1997). <i>Manual for the Wechsler Memory Scale-III</i> . New York: The Psychological Corporation.	
West, R. L. (1996). An analysis of the effects of aging on memory. <i>Psychological Review</i> , 103, 1-24.	
Williams, J. M., Mathew, I. J., & Dalen, L. A. (2006). The effects of aging on memory. <i>Psychological Review</i> , 113, 1-24.	
Wilson, B. A., Alderman, N. E., & Baddeley, D. P. (1989). <i>Behavioral Assessment Review</i> . London: Taylor & Francis.	
Running head: EFFECTS OF AGE ON DETECTION OF EMOTION	22
Footnotes ←..... of footnotes, 2.12	
¹ Analyses of covariances were conducted with these covariates, with no resulting influences of these variables on the pattern or magnitude of the results.	
² These data were also analyzed with a 2 x 5 ANOVA to examine the effect of target category when presented only in arrays containing neutral images, with the results remaining qualitatively the same: More broadly, the effects of emotion on target detection were not qualitatively impacted by the distractor category.	

Figure 2.1

Running head: EFFECTS OF AGE ON DETECTION OF EMOTION 23

Table 1
Participant Characteristics

Measure	Younger group		Older group		F (1, 46)	p
	M	SD	M	SD		
Years of education	13.92	1.28	16.33	2.43	18.62	<.001
Beck Anxiety Inventory	9.39	5.34	6.25	6.06	3.54	.066
BADS-DEX	20.79	7.58	13.38	8.79	10.46	.002
STAI-State	45.79	4.44	47.08	3.48	1.07	.306
STAI-Trait	45.64	4.50	45.58	3.15	0.02	.963
Digit Symbol Substitution	49.62	7.18	31.58	6.56	77.52	<.001
Generative naming	46.95	9.70	47.17	12.98	.004	.951
Vocabulary	33.00	3.52	35.25	3.70	4.33	.043
Digit Span-Backward	8.81	2.09	8.25	2.15	0.78	.383
Arithmetic	16.14	2.75	14.96	3.11	1.84	.182
Mental Control	32.32	3.82	23.75	5.13	40.60	<.001
Self-Ordered Pointing	1.73	2.53	9.25	9.40	13.18	.001
WCST perseverative errors	0.36	0.66	1.83	3.23	4.39	.042

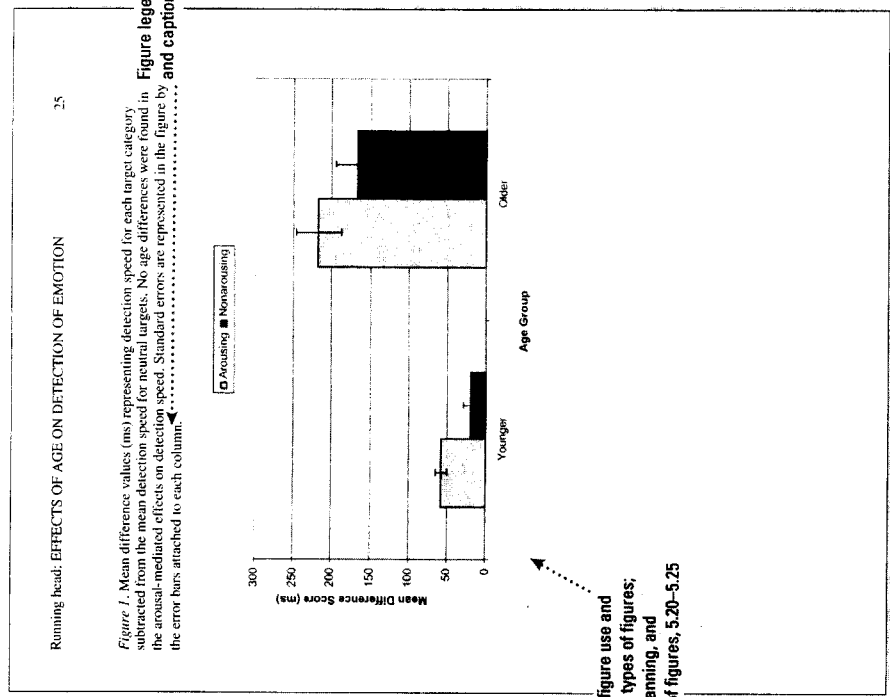
Note. The Beck Anxiety Inventory is from Beck et al. (1988); the Behavioral Assessment of the Dysexecutive Syndrome—Dysexecutive Questionnaire (BADS-DEX) questionnaire is from Wilton et al. (1996); the State-Trait Inventory (STAI) measures are from Spielberger et al. (1970); and the Digit Symbol Substitution, Digit Span Backward, and Arithmetic Wechsler Adult Intelligence and Memory Scale-III measures are from Wechsler (1997). Generative naming scores represent the total number of words produced in 60 s each for letter F, A, and S. The Vocabulary measure is from Shipley (1986); the Mental Control measure is from Wechsler (1987); the Self-Ordered Pointing measure was adapted from Petrides and Milner (1982); and the Wisconsin Card Sorting Task (WCST) measure is from Nelson (1976). All values represent raw, nonstandardized scores.

Selecting effective presentation, 4.41; Logical and effective table layout, 5.08

Running head: EFFECTS OF AGE ON DETECTION OF EMOTION

Table 2
Raw Raw
Category
Positive
Positive
Neutral
Negative
Negative
Note. Va
of the sa
positive
arousal,
recorded

Elements of table notes, 5.16



Principles of figure use and construction, types of figures, standards, planning, and preparation of figures, 5.20-5.25