

### Format

General format (for manuscript--not publication):

- letter size (81/2 × 11 in. [21.59 × 27.94 cm]) page
- 1 in. (2.54 cm) margins on all sides
- font options include Times New Roman 12, Calibri 11, Arial 11, and Georgia 11
- no "decorative" typefaces (e.g., Comic Sans) 🛞
- use same font throughout

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### Format

### Layout:

- student paper title page:
  - page number in upper-right corner (title page is page 1)
  - paper title: 3 or 4 four lines down, centred, bold font, double-spaced; capitalize important words
  - then on separate lines: author's name, author's affiliation (department & institution), course number & name, instructor name, and due date
- no running head is required for student papers

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### Format Format • abstract: body: - start on separate page - start on separate page - centre and bold the word "Abstract" - continue page numbering - centre and bold full paper title at the top - continue page numbering - brief, comprehensive summary (150-250 words) - do NOT use "Introduction" heading - NOT required for the term paper in this class - refer to manual for style/format of headings ("Method," "Results," "Discussion" apply to experimental papers, not literature reviews or student papers) UNIVERSITY UNIVERSITY

### Format

Avoid direct quotations; paraphrase or summarize instead.

### Which quote should be paraphrased?

"Slipping arises when the coefficient of friction between the shoe material and walkway surface provides insufficient resistance to counteract the forward, resultant forces at the point of contact." (Mital, Kilbom, & Kumar, 2000, p. 183)

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### Format

### or

"For 40 years now, we have had *assimilation* and *accommodation*, the mysterious and shadowy forces of *equilibration*, the 'Batman and Robin' of the developmental processes. What are they? How do they operate? Why is it after all this time, we know no more about them than when they first sprang upon the scene?" (Klahr, 1982, p. 80)

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### Format

- double-space all lines (note: Microsoft Word defaults to 1.15 line spacing, *and* adds 10 points after each paragraph by default!)
- do NOT justify right margin; leave "ragged"
- figures (e.g., graphs, photos, diagrams, etc.):
- for theses, dissertations, and student papers, figures can be included throughout the body of the paper (instead of in an appendix at the end of the paper)

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# Numerals Use numerals for quantities: all numbers 10 and above below 10, if grouped with a number above nine: 2 rats out of a litter of 13 number preceding a unit of measurement: 2 cm in length statistical/mathematical values: 5% of the population 4 times greater

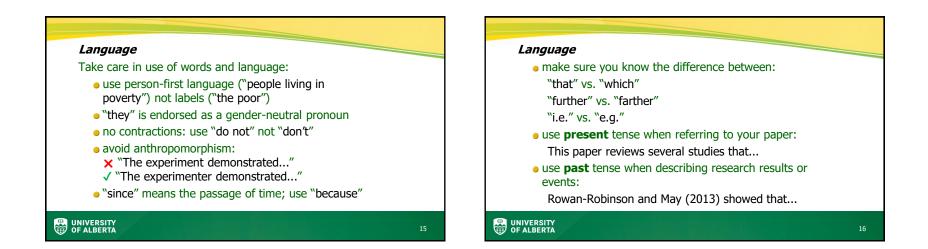
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### Numerals

- times, dates, ages, scores, points on a scale, etc.:
  - 12:30 a.m.
  - 3-year-old
  - 5 weeks ago
  - 22 minutes
  - September 11
  - 3 on a 7-point scale

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# Numerals Use words for quantities: • if it begins a sentence, for common fractions, or if "universally accepted" Four days ago... two-thirds ten commandments • if they are approximations: about three months ago



### Citations

Citations refer to an external source of information.

- the source of every piece of information presented must be cited
- if you present information but do not cite a source, you are claiming to be the source (which may be a misrepresentation)
- citing sources of information strengthens your argument, and gives you credibility

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### Citations

Include author(s) surname(s) and year of publication. Do **not** include page number.

Citations are placed in the body of the paper:

- parenthetically (name(s) and date in parentheses):
   PSYCH 494 students were found to be cool (Loepelmann, 2024).
- narratively (date in parentheses): Loepelmann (2024) found PSYCH 494 students to be cool.

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### Citations Citations o multiple authors: • multiple publications, same author: - for one to two authors, **always** cite **all** names - oldest first; separate years with a comma (and year, of course) Skinner (1938, 1956) suggested... - for three or more authors, give first author's name • multiple publications, same author, same year: and "et al." - use letter suffixes Scott et al. (1990) reported... Skinner (1953a, 1953b) found that... (year/letter combos must match those in references list) UNIVERSITY UNIVERSITY

### Citations

For two authors cited in text:

- use "and" between names in a sentence: Smith and Jones (1997) found that...
- use "&" between names in parentheses:
- ...was found (Smith & Jones, 1997).

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### Citations

If you cite a source at the beginning of the paragraph, you do not have to keep repeating the citation after every sentence in the paragraph if it is clear that the source is the same.

Morin (1988) described two separate but linked epidemics. He distinguished the HIV (viral) epidemic from the subsequent AIDS (disease) epidemic. Morin also discussed a third epidemic, which is as much a part of the pathology of AIDS as the virus itself.

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### Citations

### Direct quotes:

- name(s)/year, plus page number(s) required
- if source has no page numbers (e.g., website), give the section heading ("Discussion section"), followed by the "¶" symbol (or the abbreviation "para.") and the paragraph number
- less than 40 words: put in double quotation marks
- 40 or more words: do NOT use in this course
- ▲ generally, **AVOID** direct quotes

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### Citations

### Other rules:

- no date? Use "n.d."
  - (Kerner, n.d.)
- no author? Use first few words of title of article, surrounded by quotation marks, followed by year ("Stolen painting found by tree," 1987)
- citing an apparatus (product, software, etc.) *iPhone 15* (Apple Inc., 2023)

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### Citations

- support all claims by citing evidence--this makes your argument (and paper) stronger
- cite specific data in your paper: provide quantities (statistics!), not just a qualitative description
- e.g., "group 1 scored 74% and group 2 scored 56%" not "group 1 scored significantly higher than group 2"
- report means, confidence intervals, effect sizes, correlations, etc. of dependent variables

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### Citations

- do **NOT** give probabilities (e.g. *p* < 0.05), test statistics (e.g., *F*(2,10) = 100.09), standard deviations, etc.
- report number of participants or demographic information only if relevant or noteworthy (e.g., particularly large or small *n*, important differences due to gender or age, etc.)
- you may include figures to help illustrate a point, but use tables *sparingly*, if at all (figures and tables are **NOT** included in your minimum page count)

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### Citations References • cite figures (graphs, diagrams, etc.) or tables from Detailed list of the sources you have used. Starts on a new external sources as a direct quote in the title, which page. should be in italics centre and **bold** the word "References" - name(s)/year, plus page number(s) required • use hanging indent of 0.5 inches (1.27 cm): Wagoner, J. H., & Sullenberger, C. B. (1978). Pupillary Mental model size as an indicator of preference in humor. Perceptual and Motor Skills, 47(3), 779-782. External https://doi.org/10.2466/pms.1978.47.3.779 Figure 1 Schema, Mental Models, and SA (Endsley & Jones, 2011, p.21) UNIVERSITY UNIVERSITY

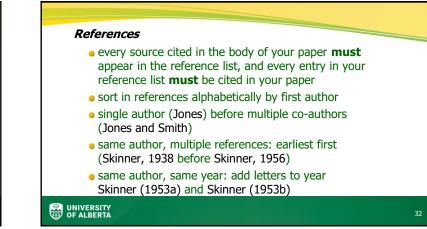
• actually, double-space each reference like this:

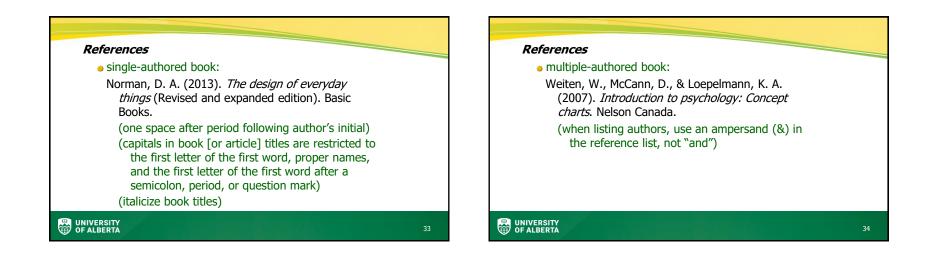
Wagoner, J. H., & Sullenberger, C. B. (1978). Pupillary this allows comments to fit! size as an indicator of preference in humor.

Perceptual and Motor Skills, 47(3), 779-782.

https://doi.org/10.2466/pms.1978.47.3.779

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### • chapter in edited book:

Bryant, J. (1989). Message features and entertainment effects. In J. J. Bradac (Ed.), Message effects in communication science (pp. 231-262), Sage,

(include page numbers if you're referencing only one chapter of a book)

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### References

of format technical reports like a book:

U.S.-Canada Power System Outage Task Force. (2004). Final report on the August 14, 2003 blackout in the United States and Canada: Causes and recommendations. North American Electric Reliability Council.

https://www.energy.gov/sites/prod/files/oeprod/Docu mentsandMedia/BlackoutFinal-Web.pdf

(give report number after title, if available)

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### References References single-authored print journal article: • journal article with article number instead of a page range: Garramone, G. M. (1985). Effects of negative political advertising: The roles of sponsor and rebuttal. Cheryan, S., Master, A., & Meltzoff, A. N. (2015). Journal of Broadcasting & Electronic Media, 29(2), Cultural stereotypes as gatekeepers: Increasing article 149-159. -girls' interest in computer science and engineering number by diversifying stereotypes. Frontiers in https://doi.org/10.1080/08838158509386573 Psychology, 6, Article 49 (Capitalize First Letter of every Important Word in https://doi.org/10.3389/fpsvg.2015.00049 the Journal Title; do **NOT** abbreviate journal title) (if no article number exists, just give volume (italicize journal title and volume number, but not number) issue number; give issue number if it exists) UNIVERSITY

• multiple-authored magazine article:

Morphew, M. E., Balmer, D. V., & Khoury, G. J. (2001, Fall). Human performance in space. Ergonomics in Design, 9(3), 6-11. https://doi.org/10.1177/106480460100900403

(magazines start each issue with page 1, whereas journals continue numbering where the last issue left off)

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unknown author (book):

Merriam-Webster's collegiate dictionary (11th ed.). (2003). Merriam-Webster.

• unknown author (newspaper article): Caffeine linked to mental illness. (1991, July 13).

The New York Times, pp. B13, B15.

apparatus (product, software, etc.): Apple Inc. (2023). *iPhone 15* [Apparatus and software]. https://www.apple.com/ca/iphone-15/

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### References

• unpublished doctoral dissertation or master's thesis:

Bialik, M. C. (2007). Hypothalamic regulation in relation to maladaptive, obsessive-compulsive, affiliative, and satiety behaviors in Prader-Willi syndrome [Unpublished doctoral dissertation]. UCLA.

http://gradworks.umi.com/33/17/3317017.html

(avoid theses or dissertations, because they are not peer-reviewed or published)

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### References

 unpublished convention paper: Thomas, S., & Gitlin, T. (1993, May). Who says there's a dominant ideology and what happens if that concept is falsified? [Conference presentation]. Annual Meeting of the International Communication Association, Washington, DC. (give year and month of meeting)(were you there?) (italicize title of convention papers) (if you got this paper via the Internet, then include the URL) UNIVERSITY

- URLs (Uniform Resource Locators):
- hyperlink, underlined & blue (be consistent)
- do **NOT** include URLs with ezproxy.library.ualberta.ca in them (these expire and require UAlberta login credentials)
- do NOT include URLs from Google Books or Amazon
- do **NOT** include date of retrieval, unless material is subject to change (e.g., Wikis)
- let word processing software handle line breaks for URLS

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References

### References

• Internet-only journal article:

Gross, L. (2006). Just a few computational principles generate a realistic model of the brain's visual system. Public Library of Science: Biology, 4(5), Article e161. https://iournals.plos.org/plosbiology/article?id=10.1371/iour

nal.pbio.0040161

(give URL; but if DOI is available, use it instead of URL)

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### References • DOI<sup>®</sup> (Digital Object Identifier) • print/Internal journal article, with DOI: Cooke, N. J. (2008). Preface to the special 50th - DOI is like an URL, but it takes you to the online anniversary issue of Human Factors. Human Factors, article even if it has moved (to be taken to article, enter DOI at www.doi.org) *50*(3), 347-350. https://doi.org/10.1518/001872008X312242 - give DOI even if it takes you to a paywall (let word processing software handle line breaks for - place DOI at the end of the reference DOIs) - prefix DOI with https://doi.org/ and hyperlink - cannot find DOI? Use search.crossref.org Scrossref

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### advance online publication:

Deng, M., Chen, J., Wu, Y., Ma, S., Li, H., Yang, Z., Shen, Y. (2024). Using voice recognition to measure trust during interactions with automated vehicles. *Applied Ergonomics*. Advance online publication.

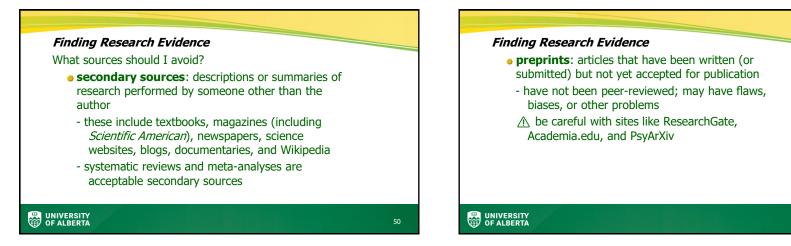
https://doi.org/10.1016/j.apergo.2023.104184

(if there is no DOI, give URL of the journal's official home page)

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# Finding Research Evidence What sources should I use? primary sources: original research articles a research article has sections like "methods," "participants," "results," and "discussion" typically published in peer-reviewed scientific journals; most available online in databases via UAlberta Library website surveys may be acceptable primary sources

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### Tips

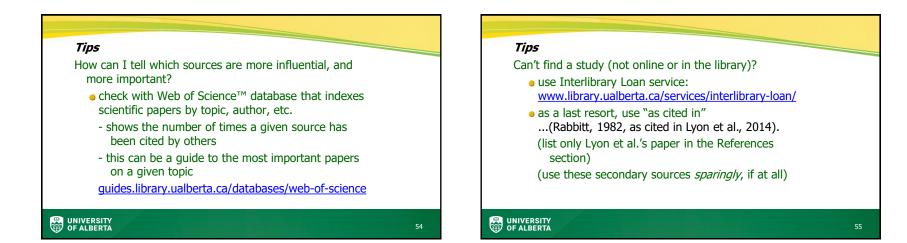
- Do **not** include "personal communication" (letters, emails, etc.) in references list
  - in text, cite by giving initials and surname of the communicator, and the date
- Do **not** use online APA style citation/reference generators
  - none work perfectly, and will cost you marks

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### Tips

- Do **not** rely exclusively on articles that are available online
  - there is much significant research that is not available online (this means going to the actual library to look at collected volumes of journals)
- Do include important, influential research studies
  - if you keep coming across the same source repeatedly, or if it has been cited more often

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### Tips

How many sources should my paper have?

- 2 sources for every page of your paper (i.e., 2 × 12 = 24 minimum)?
- but books are longer and may be more comprehensive than short research articles
- and the *quality* of your sources is more important than the quantity (e.g., peer-reviewed randomized controlled study > website reference)

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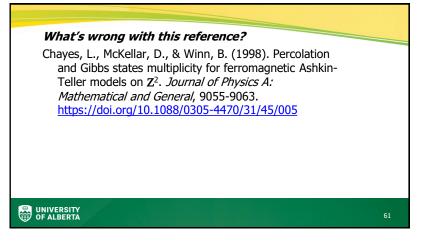
### Which citation is best?

- a) In the population, most people are right-handed.
- b) In the population, most people are right-handed (Holder, 2001).
- c) In the population, 70%-95% of people are righthanded (Holder, 2001).
- d) In the population, 70%-95% (*t* =5.23, *p* < 0.05) of people are right-handed (Holder, 2001).</li>

### 

### What's wrong with this reference?

Chapanis, A. (1999). *The Chapanis Chronicles: 50 Years of Human Factors Research, Education, and Design*. Aegean Publishing.



### What's wrong with this reference?

The Gallup Organization. (2001). *2001 national survey of drinking and driving*. <u>http://www.nhtsa.gov/DOT/NHTSA/Traffic%20Injury%20Co</u> <u>ntrol/Articles/Associated%20Files/DD2001v1.pdf</u>.

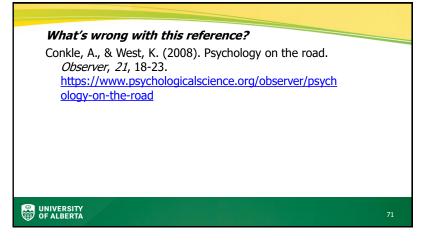
## *What's wrong with this reference?* Kanai, R., Feilden, T., Firth, C., and Rees, G. (2011). Political orientations are correlated with brain structure in young adults. *Current Biology*, *21*(8), 677-680. doi:10.1016/j.cub.2011.03.017

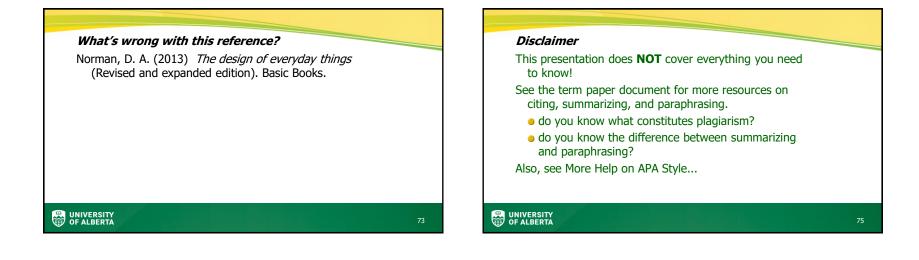
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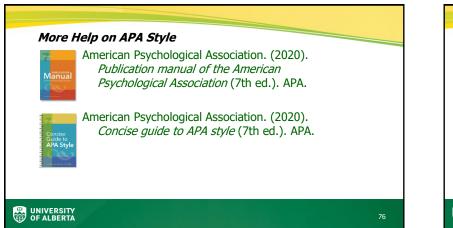
### What's wrong with this reference?

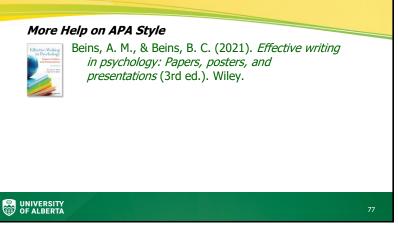
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Sheridan, T. B. (2016). Human-Robot Interaction: Status and Challenges. *Human Factors, 58*(4), 525-532. <u>https://doiorg.login.ezproxy.library.ualberta.ca/10.1177/00187208166</u> 44364















### Basic APA Style Checklist

- □ All sources of information are **cited**
- □ All **claims** are supported by citing relevant evidence
- □ Evidence is based on **primary** sources
- □ Quantitative **data/statistics** are given, as appropriate
- □ All citations are listed in references, and vice-versa
- $\hfill\square$  checked for **DOIs** for every article (search.crossref.org)

awc.ashford.edu/cd-apa-checklist.html

academicguides.waldenu.edu/writingcenter/apa/checklist apastyle.apa.org/instructional-aids/publication-manualformatting-checklist.pdf

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