



Using APA style for scientific communication (Session 3)

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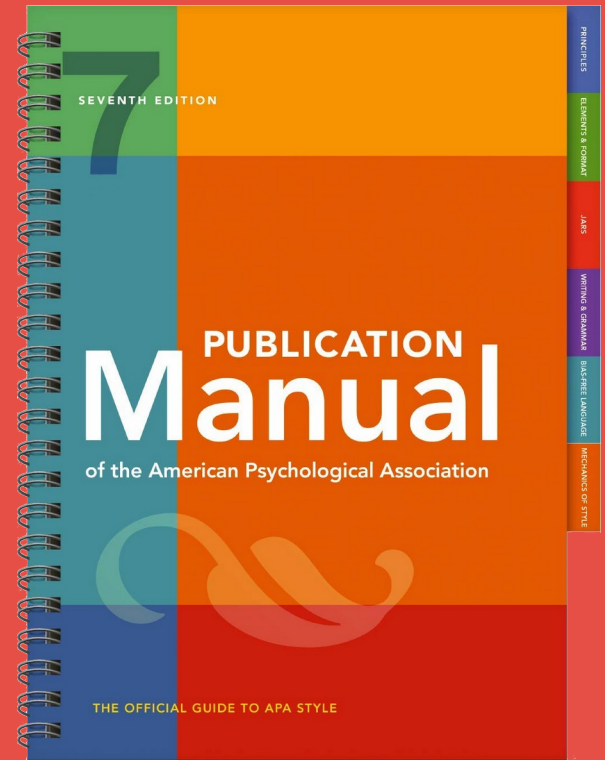


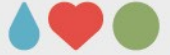
Overview

- Why publishing? Why a rule system?
- structure
- language use
- mechanics of style: punctuation, abbreviations, parentheses, etc.
- figures and tables – some practical hints
- **referencing**
- your term paper
- publication process
- ethical issues (authorship, consent, plagiarism)



Crediting sources *Chapter* *8, 9 and 10*





Referencing: Why use references?

To indicate which parts of the text are your ideas and what has previously been done.

- honesty: avoid plagiarism
- rhetorically: show that others agree
- customary: to be taken seriously, to show expertise
- educational: to show where readers can learn more

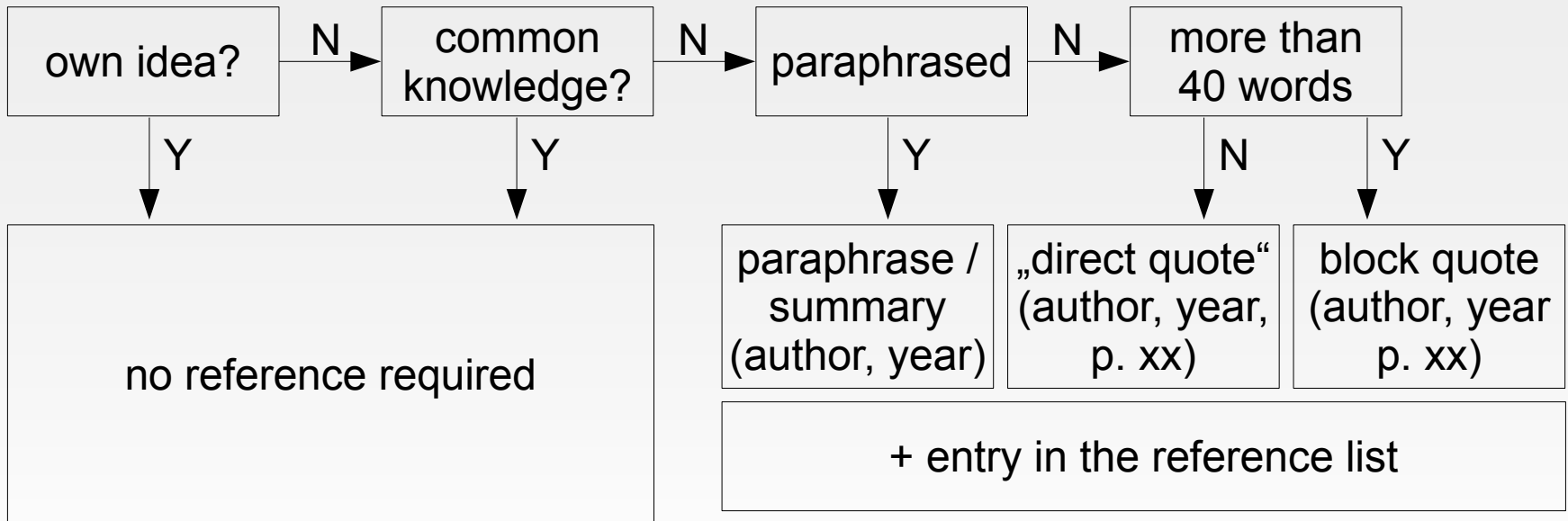
Problem: High error rate (32%) in referencing in APA journals.

Faunce, G. J., & Job, R. F. S. (2001). The accuracy of reference lists in five experimental psychology journals. *American Psychologist*, 56, 829-830. <https://doi.org/10.1037/0003-066X.56.10.829>





Referencing: When to use a reference?





Exercises:

***APA-Introduction - Session 3 -
Prause, Staley & Finn (2011).pdf
on MittUIB***

Prause, N., Staley, C., & Finn, P. (2011). The effects of acute ethanol consumption on sexual response and sexual risk-taking intent. *Archives of Sexual Behavior*, 40(2), 373–384. <https://doi.org/10.1007/s10508-010-9718-9>



Exercise 1: Where would you put a citation?

*APA-Introduction - Session 3 -
Exercise 1.pdf* on MittUiB.



Exercise 2: What are the rules when citing?

(in the text?, reference list?)

APA-Introduction - Session 3 -

***Exercise 2.pdf* on MittUiB.**



Referencing: What is a reference?

A reference consists of two parts:

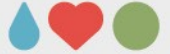
(1) a part in the text:

... A grammatical gender class system such as this has subtle yet pervasive consequences, as it requires gender congruency among all of the words that are associated with the noun (Comrie, 1999; Corbett, 1991; Foundalis, 2002; Harley, 2008). ...

Statement/argument/
finding taken from
another publication

Source: (List of)
author(s) [in alphabet.
order] and year of
publication





Referencing: What is a reference?

A reference consists of two parts:

(2) a part in the reference list

- Comrie, B. (1999). Grammatical gender systems: A linguist's assessment. *Journal of Psycholinguistic Research*, 28(5), 457-466.
- Corbett, G. G. (1991). *Gender*. Cambridge University Press.
- Foundalis, H. E. (2002). Evolution of gender in Indo-European languages. In W. D. Gray & C. Schunn (Eds.), *Proceedings of the 24th Annual Conference of the Cognitive Science Society* (pp. 304-309). Austin, TX: Cognitive Science Society.
- Harley, T. A. (2008). *The psychology of language*. Psychology Press.

Alphabetical list with information about the referenced documents:

- to identify and find sources
- 4 parts: Who, when, what (title) and where (publishing site)
- synchronization: all references in the text must be in the list and vice versa.





Referencing: Author-date system

- **focus on WHAT is said – author name(s) in parentheses:**
A meta-analysis revealed that adverse events (e.g., anxiety, depression or cognitive anomalies) may occur during or after meditation practices (Farias et al., 2020).
- **emphasis on WHO said what – author name(s) in text:**
Pallesen et al. (2008) developed a new scale for the measurement of insomnia, ...
- **Several references for a single statement can be collected in parentheses, listed alphabetically, separated by semicolons ;**
Internet-based interventions seem to be more effective in reducing symptoms of anxiety than those of depression (Spek et al., 2007; Ye et al., 2014).

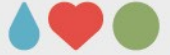
Farias, M., Maraldi, E., Wallenkampf, K. C., & Lucchetti, G. (2020). Adverse events in meditation practices and meditation-based therapies: A systematic review. *Acta Psychiatrica Scandinavica*, 142(5), 374–393. <https://doi.org/10.1111/acps.13225>

Pallesen, S., Bjorvatn, B., Nordhus, I. H., Sivertsen, B., Hjørnevik, M., & Morin, C. M. (2008). A new scale for measuring insomnia: The Bergen Insomnia Scale. *Perceptual and Motor Skills*, 107(3), 691–706. <https://doi.org/10.2466/pms.107.3.691-706>

Spek, V., Cuijpers, P., Nyklíček, I., Riper, H., Keyzer, J., & Pop, V. (2007). Internet-based cognitive behaviour therapy for symptoms of depression and anxiety: A meta-analysis. *Psychological Medicine*, 37(3), 319–328. <https://doi.org/10.1017/S0033291706008944>

Ye, X., Bapuji, S. B., Winters, S. E., Struthers, A., Raynard, M., Metge, C., Kreindler, S. A., Charette, C. J., Lemaire, J. A., Synshyn, M., & Sutherland, K. (2014). Effectiveness of internet-based interventions for children, youth, and young adults with anxiety and/or depression: A systematic review and meta-analysis. *BMC Health Services Research*, 14(1), Article 313. <https://doi.org/10.1186/1472-6963-14-313>





Referencing: References in the text

- **1-2 authors: all names all the time; “and” outside (); “&” inside ()**
Sommer, Kleijer **and** Hugdahl (2018) proposed to...
As has been shown (Tervaniemi **&** Hugdahl, 2003)...
- **more than 3 authors: first author followed by “et al.”**
A study (Einarsen et al., 2020) has shown... Einarsen et al. (2020) also indicated...
- **sometimes further author names must be included to avoid ambiguity**
Hasan, Liang, Kahn, and Jones-Miller (2015)
Hasan, Liang, Kahn, and Weintraub (2015)
check first author and year, if they are the same add authors until the citation becomes unambiguous
- **order of authors: as specified in the source (not alphabetically)**
- **“et al.” = Latin abbreviation for “and others”: “et alii”**





Referencing: > 1 sources / statem.

- ***all sources in the same parentheses, ordered alphabetically and chronologically, separated by semicolon(s)***

Several studies have shown (Costa, 1985; DeNeve, 1985)

- ***same author(s): name(s) and list of years (if multiple in one year, use additional letters: a, b,...), separated by comma(s)***

Previous research has shown (Costa & McCrae, 1991, 1993, 2000)...

as shown in several studies (Costa & McCrae, 1991^a, 1991^b, 1993)...

Studies have shown (Costa & McCrae, 1991, 1993; DeNeve, 1985)...





Referencing: Unique text references

- **publications of the same author(s) in the same year** → **year plus a letter showing the order in reference list:**
Freud accounted for his seduction theory in two publications (1896**a**, 1896**b**)
- **two authors with the same surname** → **include initials:**
The term defense mechanism has been used in different ways (**A.** Freud, 1920; **S.** Freud, 1897)
- **multi-author references from the same year** → **include as many authors as necessary to identify the sources**
Koelsch, Fritz, Müller and Friederici (2005) → Koelsch, **Fritz** et al. (2005)
Koelsch, Gunter, Wittfoth and Sammler (2005) → Koelsch, **Gunter** et al. (2005)
- **author is not a person** → **Name of organization, functions as author, written in full (first occurrence) or abbreviated (later):**
A survey in Norway (Statistisk Sentralbyrå [SSB], 2008) has shown...
According to this survey (SSB, 2008)... Another survey (SSB, 2009)...





Referencing: In-text-only citations

- ***personal communications*** → ***use infrequently***
letters, phone calls, e-mail etc. not available to the reader are included with initials and as accurately as possible a date
K. Hugdahl (personal communication, May 23, 2017)
- ***classical texts (e.g., Bible, Koran, classical Greek texts)***
publication date depends on availability / translation
Subjective well-being was discussed by philosophers of ancient Greece (e.g., Plato, translated 1948)





Referencing: How to quote

- **most common: use a paraphrase**

Locus of control is sometimes defined as a person's belief in the ability to control the environment (Bono & Judge, 2003).

- **less than 40 words: direct quotation**

One definition of locus of control is: “one's belief in one's ability to control one's environment” (Bono & Judge, 2003, p. 6).

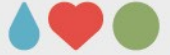
use quotation marks, provide author, year, and page of the source

- **more than 40 words: block quote**

text ... text of your report. According to author (year) ... is denoted as:

Block quote, block quote, block quote, block quote, block quote,
block quote, block quote, block quote, block quote. (page[s])





Referencing: Reference list

Purpose: to enable the reader to find, use and verify the sources

- must be complete and correct (must contain all and only sources referred to in the text)
- order alphabetically by names, and chronologically by publication year
- schema: (1) author(s), (2) year, (3) title of publication, (4) source (where / how publ.; **if available, always include a DOI or an URL**)

“An inaccurate and incomplete reference will forever stand in print as an annoyance to future investigators and a monument to the writer's carelessness”
(Bruner, 1942, p. 68)





Referencing: Reference list order

Generally: alphabetically by last name and initials of first author

- **family name:**

Bono, J. E., & Judge, T. A. (2003). Core self-evaluations: ...

Passer, M. W., & Smith, R. E. (2007). Psychology: The science...

- **for two authors with the same family name → initials:**

Bono, A. W. (1998). A study of nothing in particular. ...

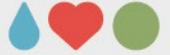
Bono, J. E., & Judge, T. A. (2003). Core self-evaluations: ...

- **for several publications by the same author → publication year:**

Costa, P. T., & McCrae, R. R. (**1980**). Influence of extraversion ...

Costa, P. T., & McCrae, R. R. (**1985**). Hypochondriasis, neuroticism ...





Referencing: Reference list order

“nothing precedes something”-rule

- shorter precede longer family names of the first author:
Brown, N. R., *precedes*
Brown**ing**, A. R. *even though -ing precedes N. in the alphabet*
- article(s) with less authors precedes article(s) with more authors:
Jentschke, S. (2016). The relationship between music and language....
Jentschke, S., & Koelsch, S. (2009). Musical training modulates...

same author(s), same year: sort alphabetically by title, use small letters (a, b, ...) to uniquely identify source in text and reference list:

- Bartone, P. T. (2007a). **F**actors influencing...
- Bartone, P. T. (2007b). **R**esilience factors...





Referencing: Reference list layout

Level 1 heading on a new page

References

indented
(1.3 cm)

Allen, J. S., Tranel, D., Bruss, J., & Damasio, H. (2006). Correlations between regional brain volumes and memory performance in anoxia. *Journal of clinical and experimental neuropsychology*, 28(4), 457–476. <https://doi.org/10.1080/13803390590949287>

information how to find source italicized

Arbelaez, A., Castillo, M., & Mukherji, S. K. (1999). Diffusion-weighted MR imaging of global cerebral anoxia. *American journal of neuroradiology*, 20(6), 999–1007.
<http://www.ajnr.org/content/20/6/999.long>

includes either DOI or URL

Ashburner, J. (2007). A fast diffeomorphic image registration algorithm. *NeuroImage*, 38(1), 95–113.

<https://doi.org/10.1016/j.neuroimage.2007.07.007>

Ashburner, J. (2009). Computational anatomy with the SPM software. *Magnetic resonance imaging*, 27(8), 1163–74. <https://doi.org/10.1016/j.mri.2009.01.006>



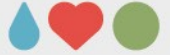


Referencing: Journal article

- **up to 20 authors:**

Jentschke, S., & Koelsch, S. (2009). Musical training modulates the development of syntax processing in children. *NeuroImage*, 47(2), 735–744.
<https://doi.org/10.1016/j.neuroimage.2009.04.090>





Referencing: Journal article

- **more than 21 authors:**

Anton, S. D., Woods, A. J., Ashizawa, T., Barb, D., Buford, T. W., Carter, C. S., Clark, D. J., Cohen, R. A., Corbett, D. B., Cruz-Almeida, Y., Dotson, V., Ebner, N., Efron, P. A., Fillingim, R. B., Foster, T. C., Gundermann, D. M., Joseph, A.-M., Karabetian, C., Leeuwenburgh, C., ... Pahor, M. (2015). Successful aging: Advancing the science of physical independence in older adults. *Ageing Research Reviews*, 24, 304–327. <https://doi.org/10.1016/j.arr.2015.09.005>

Names (author 1 to 19), ... name (last author)

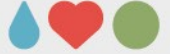
Year

Title (normal capitalization)

DOI

Journal name, volume (italicized), pages

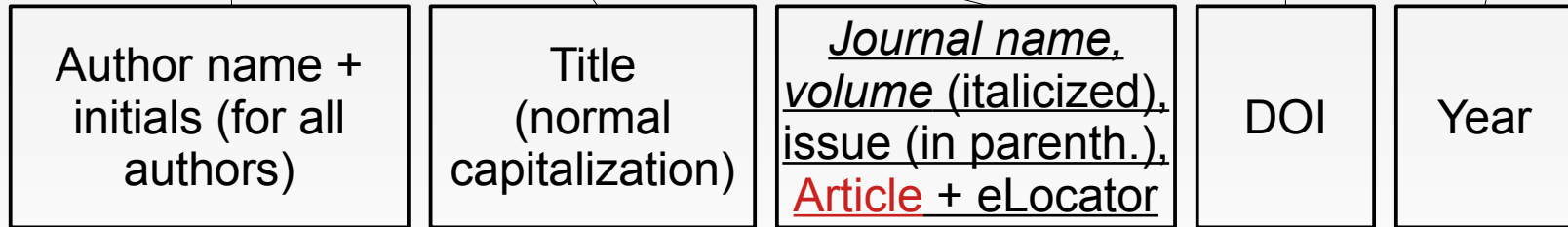




Referencing: Journal article

- **with an eLocator (article number):**

Koelsch, S., Bashevkin, T., Kristensen, J., Tvedt, J., & Jentschke, S. (2019).
 Heroic music stimulates empowering thoughts during mind-wandering.
Scientific Reports, 9(1), **Article** 10317. <https://doi.org/10.1038/s41598-019-46266-w>





Referencing: Journal article

- ***advance online publication***

Coutinho, J., Pereira, A., Oliveira-Silva, P., Meier, D., Lourenço, V., & Tschacher, W. (2020). When our hearts beat together: Cardiac synchrony as an entry point to understand dyadic co-regulation in couples. *Psychophysiology*. Advance online publication. <https://doi.org/10.1111/psyp.13739>

Author name +
initials (for all
authors)

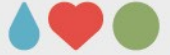
Journal name
(italicized), no
volume / page

Year

„Advance online
publication“ +
DOI

Title
(normal
capitalization)





Referencing: Journal article

- article accepted for publication but not (yet) printed:**
 Jentschke, S., Friederici, A. D., & Koelsch, S. (in press). Neural correlates of music-syntactic processing in two-year old children. *Developmental Cognitive Neuroscience*.

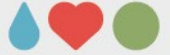
Author name +
initials (for all
authors)

Journal name
(italicized), no
volume / page

No year, but
(in press)

Title
(normal
capitalization)





Referencing: Journal article

- **manuscript submitted to a journal:**

Tsogli, V., Jentschke, S., Koelsch, S. (2021). *Unpredictability of the “when” impedes learning of the “what” and “where”*. [Manuscript submitted for publication]. Dept. of Biological and Medical Psychology, University of Bergen.

Author names +
initials (for all
authors)

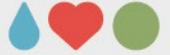
Title
(italic.)

Year

No journal name, but
„[Manuscript submit-
ted for publication]“

Affiliation
(first author;
dept. + univ.)





Referencing: Journal article

- ***manuscript that will not be published:***

Hystad, S. W., Eid, J., Johnsen, B. H., Laberg, J. C., & Bartone, P. T.
 (2008). *Psychometric properties of the revised Norwegian
 dispositional resilience scale* [Unpublished manuscript]. Dept. of
 Psychosocial Science, University of Bergen.

Author names +
 initials (for all
 authors)

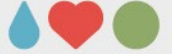
Year

Title
 (italic.)

No journal name,
 but „[Unpublished
 manuscript]“

Affiliation
 (first author;
 dept. + univ.)



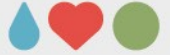


Referencing: Book

- **book:**

Gazzaniga, M., Ivry, R. B., Mangun, G. R. (2018). *Cognitive Neuroscience: The Biology of the Mind* (5th ed.). W. W. Norton.





Referencing: Book section

- ***book chapter (in an edited book):***

Jentschke, S. (2016). The Relationship between Music and Language. In S. Hallam, I. Cross, & M. Thaut (Eds.), *The Oxford Handbook of Music Psychology* (2nd ed., pp. 343-355). Oxford University Press. <https://doi.org/10.1093/oxfordhb/9780198722946.013.24>

Chapter
title

Book title
(italicized)

Author name +
initials (for all
authors)

Year

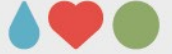
In +
editors
names

Edition
(not 1st),
pages

DOI (if
avail.)

Name
of the
publisher





Referencing: Book section

- ***book chapter (in an authored book):***

Stern, R. M., Ray, W. J., & Quigley, K. S. (2001). Brain: Electroencephalography and Imaging. In *Psychophysiological Recording* (2nd ed., p. 79-105). Oxford University Press.
<https://doi.org/10.1093/acprof:oso/9780195113594.001.0001>

Year

Chapter
title

Author name +
initials (for all
authors)

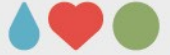
In +
Book title
(italicized)

Name
of the
publisher

Edition
(not 1st),
pages

DOI or
URL





Referencing: Scientific presentaion

- **Conference presentation:**

Bush, G. W. (2007, July 25). *An observational study of chimpanzee banana peeling and its implications for human banana consumption*. **Lecture given at the** 5th Annual Conference on Human Animal Interaction, Washington, DC. <https://...>

author name +
initials (for all
authors)

Date

DOI
URL

conference
name + city

Present.
title
(italic.)

Lecture given...
Poster presented...
at the...





Referencing: *Less common references*

- ***articles in newspapers and magazines:***

Wu, J., Cai, W., Watkins, D., & Glanz, J. (2020, March 22). How the virus got out. *The New York Times*. <https://www.nytimes.com/interactive/2020/03/22/world/coronavirus-spread.html>

- ***secondary sources (references you only read about in other references; should be used very infrequently):***

Primary source stated in the text (Freud, 1897, cited in Jung, 1920).

- ***references in other languages:***

Jentschke, S., & Koelsch, S. (2006). Gehirn, Musik, Plastizität und Entwicklung [**Brain, music, plasticity, and development**]. *Zeitschrift für Erziehungswissenschaft*, 9(5), 51–70
https://doi.org/10.1007/978-3-531-90607-2_5





Referencing: Electron. media / internet

- APA manual (e.g., pp. 282, 348 - 352)
<https://apastyle.apa.org/style-grammar-guidelines/references/examples>
- determine the reference category (and examples in the APA manual):
 - report** from a government web page → section 10.4 (example 50-52)
 - institutional **web page** (e.g., UiB) → section 10.16 (example 110-114)
 - social media → section 10.15 (example 103-109)

Three guidelines ALWAYS apply:

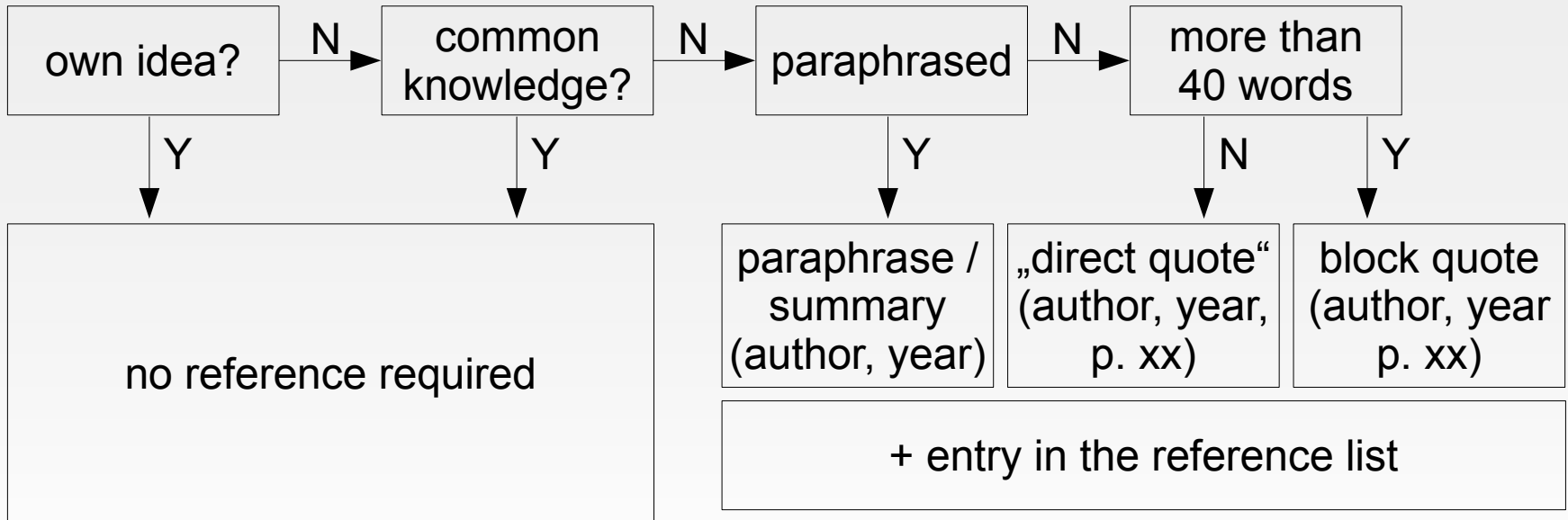
- be clear and specific
- refer to a single document / web page rather than the homepage
- make sure that the link works

Munthe-Kaas, A. Z. (2008). *Numerical methods provide insight into renal function*. UiB.
<https://www.uib.no/math/58071/numeriske-metoder-gir-innsikt-i-nyrefunksjon>





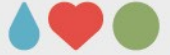
Referencing: When to use a reference?





Exercise 3: What error were made when citing?

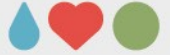
APA-Introduction - Session 3 - Exercise 3.pdf on MittUiB.



Summary

- why scientific findings should be published and why there are standards for scientific presentation
- how a scientific report in psychology should look like
- how to write in a scientific style
- how to present your results – some practical hints
- **how to refer appropriately to the work of others**
- how to write your own papers and theses
- how the publication process works and how to deal with ethical issues (authorship, plagiarism, etc.)





How / where can you get help?

- <https://apastyle.apa.org/>; <https://apastyle.apa.org/jars>
- <https://www.unit.no/tjenester/norsk-apa-referansestil>
- examples in the **APA manual**
 - sample papers (pp. 50 – 67)
<https://apastyle.apa.org/style-grammar-guidelines/paper-format/sample-papers>
 - table checklist and examples (pp. 207; 210 – 223)
<https://apastyle.apa.org/style-grammar-guidelines/tables-figures/sample-tables>
 - figure checklist and examples (pp. 232; 234 – 250)
<https://apastyle.apa.org/style-grammar-guidelines/tables-figures/sample-figures>
 - reference overview and examples (pp. 313 – 352)**
<https://apastyle.apa.org/style-grammar-guidelines/references/examples>





Literature

American Psychological Association (Ed.). (2020). *Publication manual of the American Psychological Association* (7th ed.). American Psychological Association. <https://doi.org/10.1037/0000165-000>

Chapters 1 (pp. 3-26), 2 (pp. 29-67), 3 (pp. 71-108), 4 (pp. 111-127), 8 (pp. 253-278), and 9 (pp. 281-309) are mandatory. This book is a reference work and is relevant for term papers, theses, research, etc.

Sternberg, R. J. (Ed.) (2018). *Guide to publishing in psychology journals* (2nd ed.). Cambridge University Press. <https://doi.org/10.1017/9781108304443>
Many practical tips on how to write empirical papers and literature reviews.

Rosnow, R. L., & Rosnow, M. (2011). *Writing papers in psychology* (9th ed.). Cengage Learning.

A good book for students writing term papers in APA-style.

Bem, D. J. (1995). Writing a review article for *Psychological Bulletin*. *Psychological Bulletin*, 118, 172-177. <https://doi.org/10.1037/0033-2909.118.2.172>
Excellent and entertaining introduction to the art of article writing





**Thank you very much
for your attention!**