



# Using APA style for scientific communication (Session 3)

Sebastian Jentschke

(upgrading slides by Sieghard Beller, Marco Hirnstein, and others)



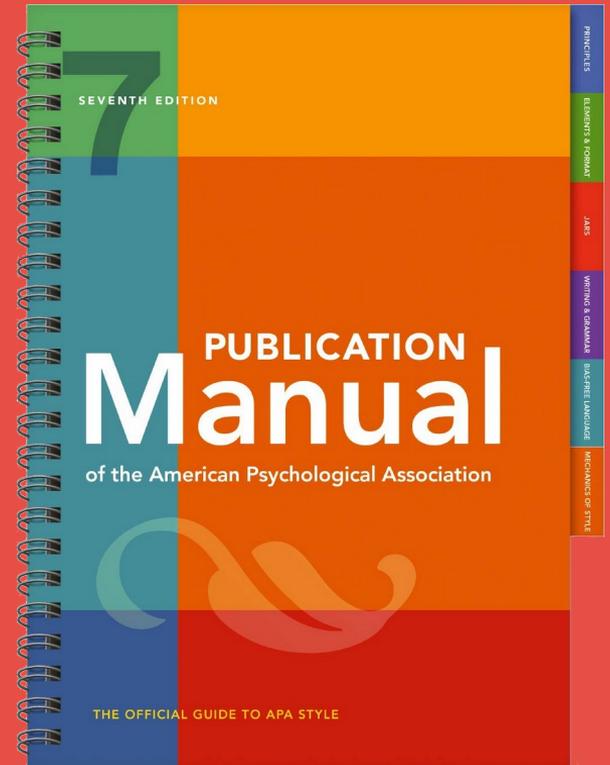


# Overview

- Why publishing? Why a rule system?
- structure
- language use
- mechanics of style: period (.), comma, 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

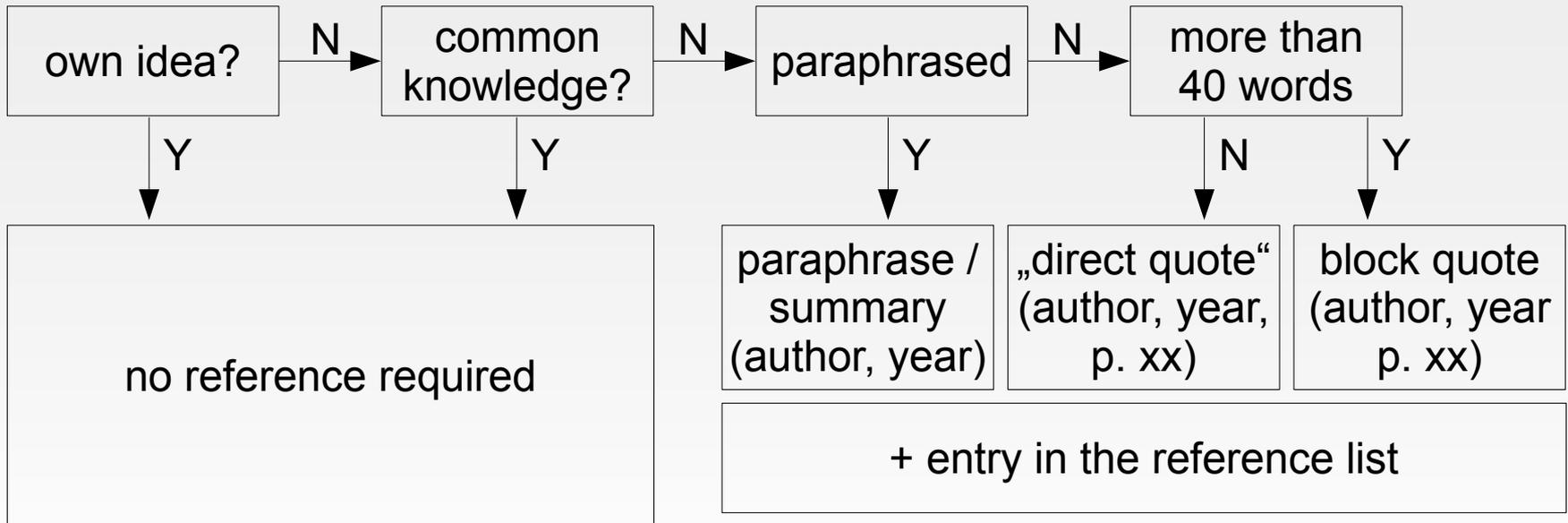
***Problem: High error rate (32%) in referencing in APA journals.***

Faunce, G. J., & Job, R. F. S. (2001). The accuracy of reference lists in five experimental psychology journals. *American Psychologist*, 56, 829-830.





# 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), 373–84.  
<http://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?

*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 (by whom):***  
One study showed that bananas can be peeled (Bush, 2007) ...
- ***emphasis on who said what:***  
In a study of chimpanzees, Bush (2007) found that bananas can be peeled...
- ***Several references for a single statement can be collected in parentheses, listed alphabetically, separated by semicolons ;***  
Several studies on banana peeling (Bush, 2007; Cheney, 2009) have shown that...





# Referencing: References in the text

- **1-2 authors: all names all the time; “and” outside (); “&” inside ()**  
As Bush and Blair (2007) demonstrated...  
As has been shown (Bush & Blair, 2007)...
- **more than 3 authors: first author followed by “et al.”**  
A study (Bush et al., 2007) has shown... Bush et al. (2007) 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” / “et alia”**





# Referencing: > 1 sources / statem.

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

Several studies have shown (Costa, 1985; Costa & McCrae, 1991; 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<sup>a</sup>, 1991<sup>b</sup>, 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<sup>a</sup>, 1896<sup>b</sup>)
- 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**  
 Bush, Blair, Rumsfeld and Rice (2007) → **Bush, Blair** et al. (2007)  
 Bush, Cheney, Wolf and Rice (2007) → **Bush, Cheney** et al. (2007)
- 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:**

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

**P**asser, 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). Factors influencing...
- Bartone, P. T. (2007b). Resilience 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), 457–76.  
<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*

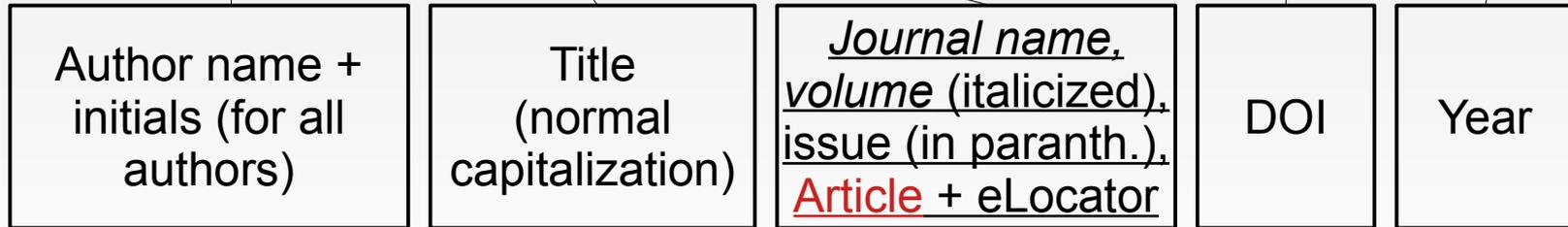




# Referencing: Journal article

- **with an eLocator:**

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***

Seunarine, K. K., Clayden, J. D., Jentschke, S., Munoz, M., Cooper, J. M., Chadwick, M. J., ... Clark, C. A. (2016). Sexual dimorphism in white matter developmental trajectories using Tract-Based Spatial Statistics. *Brain Connectivity*. Advance online publication. <https://doi.org/10.1089/brain.2015.0340>

Names (author 1 to 6), ... name (last author)

*Journal name* (italicized), no volume / page

„Advance online publication“ + DOI

Year

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:**

Koelsch, S., Bashevkin, T., Kristensen, J., Tvedt, J. Jentschke, S. (2018).

▲ *Thoughts during mind-wandering are influenced by music* [Manuscript submitted for publication]. Dept. of Biological and Medical Psychology, University of Bergen.

Author names +  
initials (for all  
authors)

Title  
(*italic.*)

Affiliation  
(first author;  
dept. + univ.)

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

Year





# 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 1<sup>st</sup>),  
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 1<sup>st</sup>),  
pages

DOI or  
URL





# Referencing: Scientific presentation

- **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:***

Kvalnes, T. (2009, February 2). Snåsa man healed me. *Verdens Gang*, p. 4.

Will sell "Snåsa water" by the bottle. (2009, February 3). *Verdens Gang*, p. 6.

- ***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](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:**

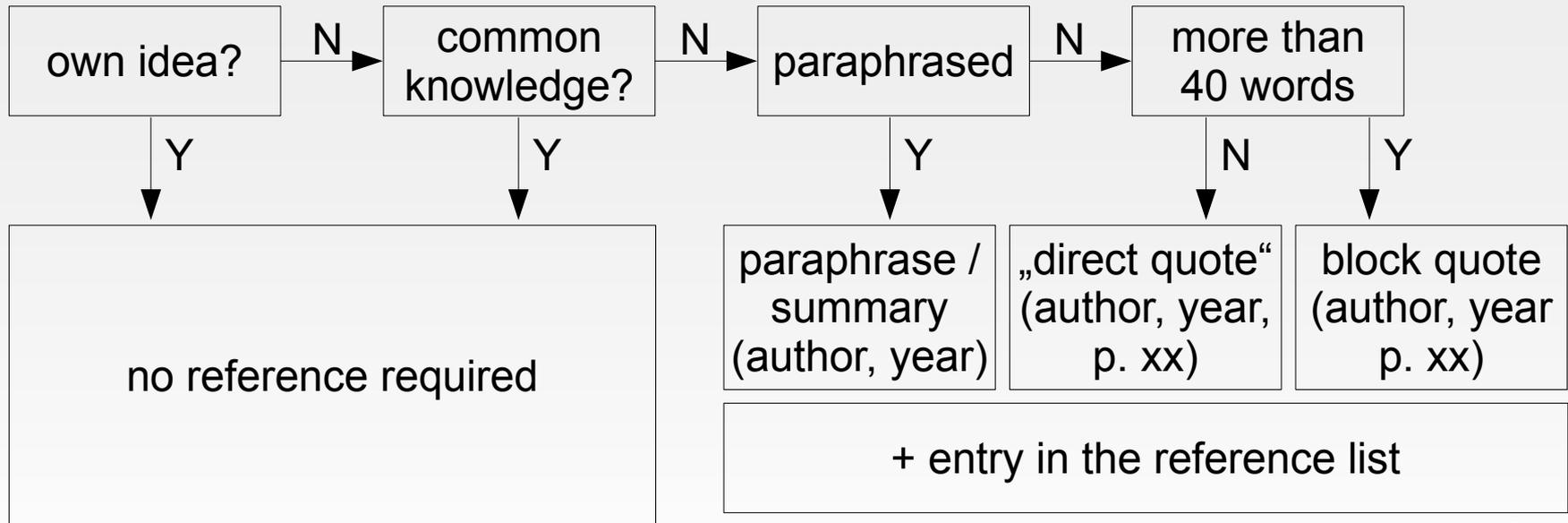
- be clear and specific
- refer to a single document / web page rather than the homepage
- make sure that the link works

Munthe-Kaas, A. Z. (2008). *Numerical methods provide insight into renal function*.  
<http://www.uib.no/math/nyheter/2008/11/Numeriske-metoder-gir-innsykt-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., 2019). *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!**