

# Citations

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706.015 - Introduction to Scientific Working

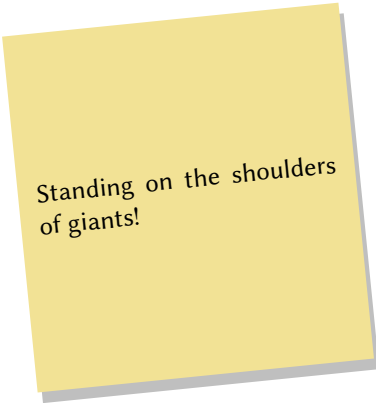
# Citation and References

How to properly cite related research?

# Motivation

## Main reasons for citations

- Give credit
  - ... for prior work
  - ... for contributions
  - ... for inspirations
- Avoid claims of plagiarism
  - ... and fabrication, cheating

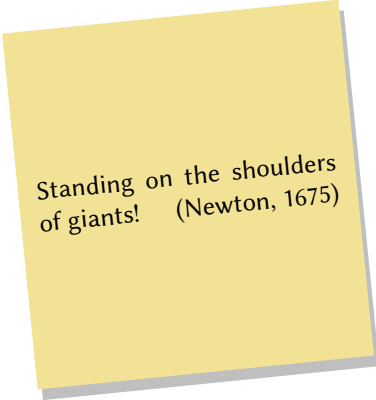


Standing on the shoulders  
of giants!

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Standing on the shoulders  
of giants! (Newton, 1675)

# Quotations

## Short quotation

- Provide quotation marks
- Together with a citation
  - And consider additional information, e.g., page numbers

### Example

Foo bar Smith (2021) noted that “bla blub” (p.13) and “qux quux” (p.42).

# Paraphrase

## Paraphrase

- Indirect and reformulated way
  - but the meaning is not distorted

### Example

In (Smith, 2021, p.13) the author stated that bla blub.

# Quotations

## Long quotation

- Special formatting
  - Clear what is copied from another source
- Especially useful for important statements
- Used for definitions
  - Where paraphrasing does not make sense

## Quotations - Latex

```
\begin{quote}
Lorem ipsum dolor sit amet, consetetur sadipscing elitr,
sed diam nonumy eirmod tempor invidunt ut labore et dolore
magna aliquyam erat, sed diam voluptua. \hfill \citep[p.~99]{Ovid19}
\end{quote}
```

At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.

*Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. (Ovid et al., 19, p99)*

At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.



## Citation

- Reference to a published (or unpublished) source, e.g., [1]
- In-body citation to a bibliographic entry
  - i.e., a “pointer” to a bibliographic reference.
- Also needed for secondary source
  - e.g., foo (as cited in FooBar, 2022), the bar

## Citation - What

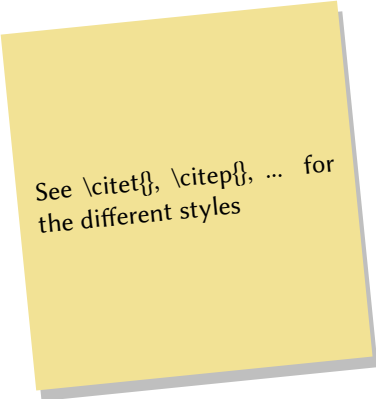
- Each **claim** should have a citation
- **Ideas**, even if paraphrased should be cited

## Citation - Where

- Typically at the end of the sentence (before the punctuation mark)
  - e.g., [...] data quality is context dependent [1].
- Often also at the end of the paragraph
  - Use formatting to define the scope
- Or at the beginning of the sentence
  - e.g., In [1] the authors state that data quality is context dependent [...]

## Citation - Styles

- Some styles show the author names
  - Can be used to directly refer to the authors
    - e.g., Einstein (2021) stated that data quality is [...]
    - e.g., Einstein and Edison (2022) claimed that gravity exist
  - Or indirectly
    - e.g., In (Einstein, 2021) the authors state [...]
- For 2 authors use both names, for more “et al.”



See `\citet{}`, `\citep{}`, ... for the different styles

## Citation - Multiple

- Multiple citations can be combined
  - e.g., `\cite{foo1,foo2}` for [1,2]
- ... but avoid citation bunches (too many citations)
  - e.g., [...] water is wet [1-59]

## Citation

- Sometimes a citation might be a footnote
  - [...] data quality is context dependent<sup>1</sup>.
  - <sup>1</sup> Foobar, M., personal communication, 1st April, 2022
- If the source cannot be found/reconstructed by the reader

## References

- List of all cited sources
  - Should allow the reader to find the sources
- Web sites should optimally also include the date of access
  - Or a perma-link
- Each reference should preferably have a DOI
  - Sometime journals/etc. also have additional rules
  - e.g., Capitalisation of the title

## References

- How to cite unpublished work
  - Add the status to the reference
  - e.g., Peters, M. E., Ruder, S., & Smith, N. A. (2019). To tune or not to tune? adapting pretrained representations to diverse tasks. arXiv preprint arXiv:1903.05987. (**under review**)



## References - Latex - Bibtex

In the Latex file include your references via

```
\bibliographystyle{plainnat}  
\bibliography{myfile}
```

- Expects to find `myfile.bib` in the same directory, comprising of Bibtex entries
- The citation style is typically defined by the journal
  - There are a number of known styles (APA, Harvard, IEEE, ...)

## References - Latex - Bibtex

Entries like this here in the Bibtex format:

```
@article{Egger2021,  
abstract = {Deep learning belongs to the field of artificial intelligence, where ma  
author = {Jan Egger and Antonio Pepe and Christina Gsaxner and Yuan Jin and Jiannin  
doi = {10.7717/peerj-cs.773},  
issn = {2376-5992},  
journal = {PeerJ Computer Science},  
month = {11},  
pages = {e773},  
title = {Deep learning—a first meta-survey of selected reviews across scientific di  
volume = {7},  
year = {2021},  
}
```

# Thank You

For your attention!