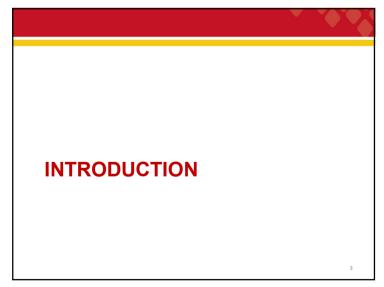


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Contents

1. Introduction

2. Plagiarism

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Introduction

- Science is built on trust
- Researchers are expected to be honest and research is undertaken ethically
 - Be honest, trustworthy, fair
 - Repect privacy: prevent re-identification of anonymized data, protect data from unauthorized access, inform users what data is being collected, etc.
 - ...
- No international academic police force, rule of law, investigative agency ©

•

Code of Ethics - Examples

Ethics

Papers that (1) describe experiments with users and/or deployed systems (e.g., websites or apps.), or that (2) rely on sensitive user data (e.g., social network information), must follow basic precepts of ethical research and subscribe to community norms. These include: respect for privacy, secure storage of sensitive data, voluntary and informed consen if users are placed at risk, avoiding deceptive practices when not essential, beneficence (maximizing the benefits to an individual or to society while minimizing harm to the individual), risk mitigation, and post-hoc disclosure of audits. When appropriate, authors are encouraged to include a subsection describing these issues. Authors may want to consult the Menlo Report for further information on ethical principles, the Allman/Paxson IMC '07 paper for guidance on ethical data sharing, and the Sandvig et al. '14 pager on the ethics of algorithm audits.

Note that submitting research for approval by each author's institutional ethics review body (IRB) may be necessary in some cases, but by itself may not be sufficient. In cases where the program committee has concerns about the ethics of the work in a submission, the program committee will consider the ethical soundness and justification of the submission, just as it does its technical soundness. The program committee takes a broad view of what constitutes an ethical concern, and authors agree to be available at any time during the review process to rapidly respond to queries from the program committee chairs regarding ethical considerations. Authors unsure about topical fit or ethical issues are welcome to contact the program committee chairs.

WWW Conference 2020

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Code of Ethics - Copyright

- Ownership of ideas and description of them in form of:
 - concepts
 - inventations
 - codes
 - documents (text, images, videos, etc.), etc.
- A publication
 - Content: made by author
 - · Copyright: author assigns copyright to publisher
 - Publisher owns the text, figures, diagrams, etc.

Code of Ethics - Examples

4. Lời cam đoan của sinh viên:

Tôi cam kết ĐATN là công trình nghiên cứu của bản thân tôi dưới sự hướng dẫn của

Các kết quả nêu trên là trung thực, không phải là sao chép toàn văn của bất kỳ công trình nào khác.

LÒI CAM ĐOAN

Tôi xin cam đoan luận văn thạc sĩ khoa học máy tính:

à kết quả của

quá trình học tập, nghiên cứu khoa học độc lập, nghiêm túc

Các số liệu trong luận văn là trung thực, có nguồn gốc rõ ràng, được trích dẫn và có tính kế thừa, phát triển từ các tài liệu, tạp chi, các công trình nghiên cứu đã được công bố trên các website, ...

Các phương pháp nêu trong luận văn được rút ra từ những cơ sở lý luận và quá trình nghiên cứu tìm hiểu của tác giả.

Student's Thesis

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Main types of fraud

- Plagiarism: the use of a colleague's work without clear attribution and citation
- Falsification of data: to obtain required outcome that differs from the actual results
- Fabrication: the experiments, data or entire study are made up

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Ω

Falsifying stem cell research Haruko Obokata, a researcher in Japan, was found guilty of falsifying data in a paper she wrote for the prestigious journal Nature in 2014. Her fraud rocked the stem cell research community. https://slate.com/technology/2014/08/fraud-in-stem-cell-research-japanese-biologist-yoshiki-sasal-commits-suicide-at-riken.html

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How did the international science community react?

This is one of the biggest science scandals in recent history. The papers were retracted in July after Nature discovered that the papers included plagiarzed writing, misiedniffed images, and misreported data.

N. Jeric. 2714 Why De Scientist Connet Fraucht State.

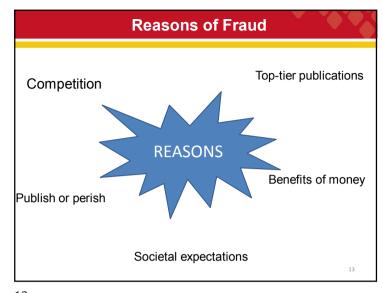
1. Why did Obokata falsify and plagiarise her research?

2. If you were her colleague, what advice would you give to Obokata?

https://www.bing.com/vdeox/sarch?q-teaful-apology/from/spanses/centist&dorewedeall&miopology

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PLOS ONE

4 OPENACION & PLEKENDERS

HOW Many Scientists Fabricate and Falsify Research? A Systematic Review and Meta-Analysis of Survey Data

Ourse Familia

Published May 25 2009 - https://doi.org/10.1371/journal.pone.0005736

1.97% of scientists admitted to have fabricated, falsified or modified data or results at least once

33.7% admitted other questionable research practices

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Plagiarism

- Present someone else's work in any format as your own original work without appropriate acknowledgement of the author or its source.
 - Ideas, text, images, illustrations
 - Even whole paper
- It can also be deliberate cheating or copying and pasting from sources without correct acknowledgement.

Scientists' reputations are built on their papers: both the work and how it is reported

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Example

- Original text (Barlman and Trey, 2001):
 - The impact of viruses has become a major issue in many large organizations, but most still rely on individual users maintaining virus definitions, with no internal firewalls to protect one user from another. However, any structure is only as strong as its weakest link; these organizations are highly vulnerable.
- Plagiarism
 - Viruses have become a major issue in many large organizations, but most organizations still rely on users maintaining virus definitions on their individual computers, with no internal firewalls to protect one computer from another. However, any structure is only as strong as its weakest link; these organizations are highly vulnerable to infection (Barlman and Trey 2001).

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Example

- Original text (Barlman and Trey, 2001):
 - The impact of viruses has become a major issue in many large organizations, but most still rely on individual users maintaining virus definitions, with no internal firewalls to protect one user from another. However, any structure is only as strong as its weakest link; these organizations are highly vulnerable.
- Appropriate text
 - Barlman and Trey (2001) investigated the impact of viruses in large organizations. They found that organizations are vulnerable if individuals fail to keep virus definitions up to date, as internal firewalls are rare.

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Example

- Original text (Barlman and Trey, 2001):
 - The impact of viruses has become a major issue in many large organizations, but most still rely on individual users maintaining virus definitions, with no internal firewalls to protect one user from another. However, any structure is only as strong as its weakest link; these organizations are highly vulnerable.
- Appropriate text
 - As discussed by Barlman and Trey (2001), who investigated the impact of viruses in large organizations, "most still rely on individual users maintaining virus definitions, with no internal firewalls to protect one user from another. However, any structure is only as strong as its weakest link; these organizations are highly vulnerable."

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Avoid Plagiarism

 When using the ideas of others (except for common knowledge): quote, paraphrase or summaries + reference the sources



- https://vccs.libguides.com/c.php?g=647106&p=4536818
- https://integrity.mit.edu/handbook/academic-writing/incorporatingwords-and-ideas-others

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Quoting

When should I quote?

- When language is particularly vivid or expressive.
- When exact wording is needed for technical accuracy.
- When the words of an important authority lend weight to an argument.

How do I show I am quoting?

- Name the source in an introductory phrase.
- Use quotation marks or indent long quotations.
- Cite the source appropriately.

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Paraphrase

- Take the words of another source and restating them, using your own vocabulary. In this way, you keep the meaning of the original text, but do not copy its exact wording
- What strategies can I use to paraphrase?
 - Use synonyms for all words that are not generic. Words like world, food, or science are so basic to our vocabulary that is difficult to find a synonym.
 - Change the structure of the sentence.
 - Change the voice from active to passive and vice versa.
 - · Change clauses to phrases and vice versa.
 - · Change parts of speech.

Quoting Original Accurate quoting Because of their unique Economist Lester Thurow (1993) The American view of globalization has asserted that the American is unlike that of the rest of the perspective. Americans fear globalization less than reaction to globalization is different world. Because of their unique anyone else, and as a from that of the rest of the world in perspective, Americans fear globalization less than anyone consequence they think that "American's fear globalization about it less than anyone less than anyone else, and as a else, and therefore think about it else. When Americans do consequence . . . think about it less less than anyone else (Thurow, think about globalization, than anyone else" (p. 6). 1993). they think of the global economy as an enlarged Why is this accurate? Why is this plagiarism? The writer has introduced the quotation with his/her own words. The writer has identified the version of the American source but has not put quotation economy S/he has also named the source in an marks around the words (Source: Thurow I introduction phrase . Lack of quotation marks allows the (1993). Fortune Favors the S/he has indicated where exact words of reader to think the words are the the source begin and end by using Bold (p. 6). New York: writer's not Thurow's quotation marks. (Complete Thurow reference appears in Harper Collins.)

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Paraphrase - Example Original Acceptable Paraphrase #1 Acceptable Paraphrase #2 Like drought, excess rainfall and **Used Synonyms Changed Sentence Structure** flooding can also contribute to epidemics of waterborne infectious An overabundance of When there is an overabundance of rainfall can also be a factor diseases, in this case due to poor rainfall, two situations can occur: sanitation resulting from runoff from in spreading infectious sewers can overflow and water can diseases carried by water, become polluted by the presence of overwhelmed sewage lines or the contamination of water by livestock. usually as a result of livestock, both of which can lead overflowing sewers and to outbreaks of waterborne (Source: Shuman, E., M.D. (2010) pollution from farm animals diseases (Shuman, 2010). March 25). Global climate change (Shuman, 2010). and infectious diseases. New England Journal of Medicine; 362, 12, 1061-1063. Retrieved from nejm.org at MIT Libraries.)

Paraphrase - Example

Original

Acceptable Paraphrase

Current political and economic incentives favor industry and other interest groups at the expense of health; consider the subsidies paid for corn-based agriculture and massproduced processed foods, the tobacco revenue generated in countries with a government-owned tobacco industry. industrial growth in the face of environmental pollution, and the spread of the sedentary automobile-and-television

(Source: Venkat Narayan, K.M., Ali, M.K., and Koplan, J. promote growth of industries that pollute. (Venkat (2010, September 23). Global noncomunicable diseases - Narayan et. al., 2011). where worlds meet. The New England Journal of Medicine. 363; 13. 1196-1198. Retrieved from neim.org at MIT Libraries.)

Changed Voice and Changed Parts of Speech

Researchers point out that in attempting to implement economic growth, industry is often favored over health: government may subsidize certain forms of agriculture and food production, contribute to tobacco consumption in nations where it owns the industry and otherwise

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Quote and paraphrase

- Quote only if the language is particularly expressive and/or adds weight to your argument.
- Good use of quotation:

After the Challenger disaster of 1986, it was learned that NASA was so anxious to launch the shuttle that it had overlooked certain safety measures. Nobel physicist Richard Feynman later observed that "for a successful technology, reality must take precedence over public relations, for nature cannot be fooled" (Feynman, 1986).

Feynman's credentials and fine wording of his comment deserve quotation here.

Paraphrase - Example

Original

Acceptable Paraphrase: Changed Clause to Phrase

The prevalence and impact of non-communicable diseases continue to grow. Chronic diseases account for 60% of all deaths worldwide, and 80% of these deaths occur in low-or middle-income the prime productive years of youth and middle

(Source: Venkat Narayan, K.M., , Ali, M.K., and Koplan, J. (2010, September 23), Global noncomunicable diseases - where worlds meet. The New England Journal of Medicine, 363: 13 1196-1198. Retrieved from neim.org at MIT Libraries.)

The increasing spread of non-communicable diseases can be seen in figures that show these diseases are responsible for 60% of all deaths on the planet, and that in countries where the population is primarily of low or middle countries, where the toll is disproportionate during income, the impact is greatest, often focusing on those who are young or middle-aged (Venkat Narayan et. al,

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Quote and paraphrase

In January 2012, the World Health Organization published a set of recommendations for policy-makers regarding marketing food and beverages to children. The report noted that "In Norway, the Broadcasting Act bans advertising directed at children and advertising in connection with children's programming on television and radio. The ban applies to the advertising of any products, including food and beverages." (p. 22)

Good use of paraphrasing

 In January 2012, the World Health Organization published a set of recommendations for policy-makers regarding marketing food and beverages to children. The report noted that the country of Norway has enacted a law that prohibits all advertising to children, including advertisements for drinks or food. (p. 22)

Summarising

- A good summary:
 - Identifies the writer of the original text.
 - Synthesizes the writer's key ideas.
 - Presents the information neutrally.
- Summarizing and paraphrasing are somewhat different. A paraphrase is about the same length as the original source, while a summary is much shorter. Nevertheless, when you summarize, you must be careful not to copy the exact wording of the original source. Follow the same rules as you would for paraphrase.

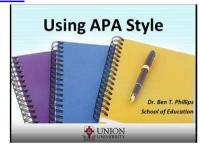
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Example of Paraphrase, quote, and citation

- ORIGINAL TEXT (Jenny Chan, Ngai Pun and Mark Selden, Journal New Technology, Work and Employment in 2013.)
 - 'Foxconn's competitive advantage, the basis for securing contracts with Apple and other brand-name multinationals, hinges on its ability to maintain flexibility. The mega factory has to reorganise its production lines, staffing and logistics in a very short time to be demand-responsive.'
- STUDENT'S ASSIGNMENT Good or not good?
 - For Foxconn, relationships with companies like Apple and other brand-name multinationals hinges on its ability to maintain flexibility (Chan, Pun & Selden, 2013).

Referencing

https://www.youtube.com/watch?v=10eg GB A9E



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Example of Paraphrase, quote, and citation (2)

- ORIGINAL TEXT (Norhayati Zakaria, Andrea Amelinckx and David Wilemon, published in 2004.)
 - 'Information and communication technologies have been viewed as an indispensable tool for multinational corporations that choose to move beyond the geographic constraints of face-toface employee interactions and endeavor to build a virtual workplace and/or use virtual teams as a new component of a generally traditional work structure.'
- STUDENT'S ASSIGNMENT Good or not good?
 - Global companies are shifting from traditional ways of communicating to communicating online, which has been facilitated by technology (Zakaria, Amelinckx & Wilemon, 2004).
 Such technology enables offshoring, leading to reductions in operating costs.

Example of Paraphrase, quote, and citation (3)

- **ORIGINAL TEXT** (book by Effy Oz published in 2002.)
 - 'Although Americans make up only 5 percent of the world's population, they produce 30 percent of the paper the world uses, and although Americans use more computers and Internet links than any other nation, they still produce many more tons of paper documents.'
- STUDENT'S ASSIGNMENT Good or not good
 - Americans are world leaders in computer and Internet use, yet their production of paper and paper documents relative to the rest of the world remains far out of proportion to their population (Oz, 2002, p.9).

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Example of Paraphrase, quote, and citation (5)

- ORIGINAL TEXT (book by Henninger published in 2003.)
 - 'Search engines are tools for searching, in contrast to directories that are browsing tools ... The major difference between search engines and subject directories is the way each is created...'
- STUDENT'S ASSIGNMENT Good or not good?
 - The primary difference between search engines and subject directories is how they are created (Henninger, 2003, p.94).

Example of Paraphrase, quote, and citation (4)

- ORIGINAL TEXT (Journal article by Jenny Chan, Ngai Pun and Mark Selden published in 2013.)
 - 'Apple, Foxconn and China's workers are stakeholders in high-tech production, but relations between them are highly unequal.'
- STUDENT'S ASSIGNMENT Good or not good?
 - Chan, Pun and Selden (2013) describe the relationship between Apple, Foxconn and China's workers as 'stakeholders in technologically advanced production where relations between them are unequal' (p.104).

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Example of Paraphrase, quote, and citation (6)

- ORIGINAL TEXT (book by Naomi Klein published in 2000)
 - 'These are extreme examples of how corporate sponsorship deals re-engineer some of the fundamental values of public universities, including financial transparency and the right to open debate and peaceful protest on campus. But the subtle effects are equally disturbing. Many professors speak of the slow encroachment of the mall mentality, arguing that the more campuses act and look like malls, the more students behave like consumers.'
- STUDENT'S ASSIGNMENT Good or not good?
 - The fundamental values of universities are being changed by corporate sponsorship that has both overt and more subtle effects.
 Governments may need to intervene to protect the social mandate of publicly funded higher education. (Klein, 2000)

Example of Paraphrase, quote, and citation (7)

- ORIGINAL TEXT (From page 104 of a journal article by Jenny Chan, Ngai Pun and Mark Selden published in 2013.)
 - 'In 2012, the subtle shift in production requirements from iPhone 4S to iPhone 5 and the speedup to meet Apple's delivery time placed workers under intense pressure.'
- STUDENT'S ASSIGNMENT Good or not good?
 - When the iPhone 5 was released in 2012, workers were under significant pressure due to the demanding delivery schedule and changes in the production requirements (Chan, Pun & Selden, 2012).

