

Paper summary

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Paper summary

Objectives of the task

- learn to analyse and provide an in-depth report on someone's work
- learn how to find scientific papers related to your interests
- improve your skills in analysing complex text and summarising it in a short summary
- practice your writing skills
- introduce your instructor to lots of interesting research through reading your summaries

What you should do

1. Look for the articles that use R as a tool for analysis in your field and choose one paper for the summary. Some resources include:

- Google Scholar <https://scholar.google.com>
- access through the University database: <https://login.ezproxy.tlu.ee/login>

Use some key words like R, **statistical data analysis**, **your field of interest**.

For example: **r statistical data analysis education**

Use these points as guidelines for choosing the paper:

- the paper is published in a respectful source
 - the paper uses R for analysis
 - it is not a guide or a tutorial or a description of package
2. Write a concise summary essay based on this paper. There are good guidelines on how to approach such task here and here.

Write up to two pages, summarise the main ideas, findings, analyse what approaches to data analysis were taken, what are the advantages and limitations of such approaches.

3. Make the summary exactly **2 pages** including references.
4. Make it absolutely clear in your text that it is an overview of **the published article**, citing all relevant papers. Add enough relevant citations from the article (probably 3-5) to the most important other articles that are cited there. Follow the **APA** citation style.
5. Make sure your summary follows the structure and has a **title**, **author** (you), **author affiliation** (Tallinn University, Faculty of ...), **abstract**, **introduction**, **body** (with subsections), **conclusions** and **references**.

Use the **2-column layout** as it is much easier to read. You can find a Word template here or use **LaTeX** styles if you are familiar with it. You can use Overleaf for creating a file online, without installing any additional software. One of the templates is here and one more example is here.

6. Add some illustrations if possible.
7. Send me your summary as a **PDF only** (no other formats, please)

Some papers for your consideration:

Here are the links to some papers you can consider for the task (in case you can't find your own suitable paper):

1 "Data interpretation and visualization of COVID-19 cases using R programming" <https://www.sciencedirect.com/science/article/pii/S235291482100188X>

2 "The Popularity of the Biologically-Based Therapies During Coronavirus Pandemic Among the Google Users in the USA, UK, Germany, Italy and France"
<https://www.sciencedirect.com/science/article/pii/S0965229921000236>

3 "Factors associated with Facebook addiction among university students amid the COVID-19 pandemic: Findings from an online cross-sectional survey"

From PLOS ONE: <https://dx.plos.org/10.1371/journal.pone.0272905>

This article has a supporting dataset in the "Supporting information" section.

4 "Sentiment Analysis on Twitter Dataset using R Language"

<https://www.ijtsrd.com/computer-science/data-mining/28071/sentiment-analysis-on-twitter-dataset-using-r-language/b-nagajothi>

5 "A Comprehensive Analysis for Crime Prediction in Smart City Using R Programming"

<https://ieeexplore-ieee-org.ezproxy.tlu.ee/document/8442491>

6 "Big Data Analytics in Cybersecurity: Network Data and Intrusion Prediction"

<https://ieeexplore-ieee-org.ezproxy.tlu.ee/document/8993037>

Evaluation criteria

- general requirements are met (submitted by the deadline, no more than 2 pages, written in own words) - 5 points
- format requirements are met (structure of the paper, consistency in style and reference) - 5 points
- content requirements are met (information is synthesised and source material is incorporated, content is sufficiently developed, information is used ethically, grammar and spelling are correct) - 10 points

Deadlines

By **Nov 2** inform me about the paper you've chosen. The deadline for summary submission is **Nov 20** (23:59) directly to my email.