Thesis Similarity Check Service for the 2nd Semester of the 113th Academic Year Using WritrAid Similarity Scanner (WASS)

Educational Training for Master's and Ph.D. Graduates

National Central Library (NCL)

May 28, 2025

Introducing

Wass

Functions

Frequently Asked Questions (FAQ)

01 Introducing Wass

Purpose, Data Sources, Usage Guidelines, and Features

Purpose and Intended Users





WriteAid Similarity Scanner (WASS)

Purpose

A tool to support thesis writing by helping students check for content similarity in their theses and dissertations.

Intended Users

Current master's and doctoral students who are graduating in this academic year and have not yet submitted their thesis/dissertation records.

Similarity Check Data Source & principles

Data Source	 Theses and Dissertations From "National Digital Library of Theses and Dissertations in Taiwan" includes both publicly accessible and embargoed theses, as well as these and dissertations written in English and other languages. Embargoed theses are also included in the similarity check in accordance with intellectual property regulations. When similarities are detected with such theses, the report will indicate "Restricted Source" without displaying any actual content. 	
Data Volume	• Theses: 959,791 records	
(as of May 2025)	• Sentences: 951,934,633 sentences	
Principles	 Images and tables are not yet included in the scope of similarity check All uploaded files will be deleted after students graduate and leave school. Only the final version submitted to the National Central Library will be retained for future similarity checks. 	

User Guidelines

Pop-up reminder when uploading files



- 1.請確認您要上傳的檔案符合以下規範:
- 。內容為該畢業學年度學位論文考試所撰寫之學位論文
- 。內容不違反著作權、智慧財產權等相關法律
- 。檔案為pdf檔
- 。檔案不超過50MB
- 。字數不小於100字
- 2. 使用者所上傳的檔案僅供使用者個人當次比對之 用;上傳之檔案不會儲存至系統比對文件庫,請自行保 管個人論文檔案。



取消



Timing for Similarity Check

Complete the similarity check before your oral defense or thesis submission (according to your school's rules).

File Upload Requirements

- Current academic year's thesis written by the graduating student only.
- Thesis format only no other document types.
- Must comply with copyright and IP laws.
- PDF file of the original work (no image files)
- Max file size: 50MB
- Minimum: 100 words

Usage Limit

Each graduating master's and doctoral students are provided with 5 plagiarism checks. The first 3 checks have no time restrictions. The 4th and 5th checks require a 24-hour waiting period before you can upload your document.

- If an already approved degree thesis is uploaded, the system will trigger an alert for similarity exceeding 50%, which will then prompt a manual review. •
- All uploaded cases, users, dates, and sources are recorded and available for review.
- Users who violate the usage guidelines will not receive checking results and will be handled according to school regulations. This includes exceeding the account usage limit or the required waiting period for uploads.

Differences Between WASS and Commercial scan Systems



scan Data Sources

- Common commercial comparison systems primarily source their data from various types of documents, including journals, conference papers, and web pages.
- WASS utilizes NCL's collection of degree theses as a source for similarity scan. The combination of these two approaches can more comprehensively ensure the rigor and originality of academic research.



Thesis Processing Method

WASS specifically analyzes the formatting styles of domestic degree theses. With accurate analysis of these formatting styles, it can exclude chapters and sections such as the thesis title page, acknowledgements, table of contents, bibliography, and footnotes from the scan, thereby reducing noise and improving the quality of the scan report.

02 Functions

Login, User interface, Similarity Checking Process, Sentence exclusion, scan report

System Portal: Schools Using NCL Theses Submission System (108 universities)

Account Acquisition Graduating master's and doctoral students can obtain a "theses submission system" account according to each school's authentication method.

Login

From the thesis submission system, select "Thesis scan".



System Portal: Schools Using non-NCL Theses Submission System (17 universities)

Account Acquisition

School administrations create WASS accounts for graduating master's and doctoral students.

Login

From WASS website https://wass.ncl.edu.tw/



Student Interface: Set Up Advisor's Email



- Students must set up their advisor's email when they log in for the first time.
- For students who log in via the NCL theses submission system, the system will automatically populate the advisor's email address previously entered in that system.

Modifying Advisor Email

- For students logging in through WASS: Update advisor's email in "Basic Information".
- For students logging in through the NCL theses submission system: Make changes in the submission System.

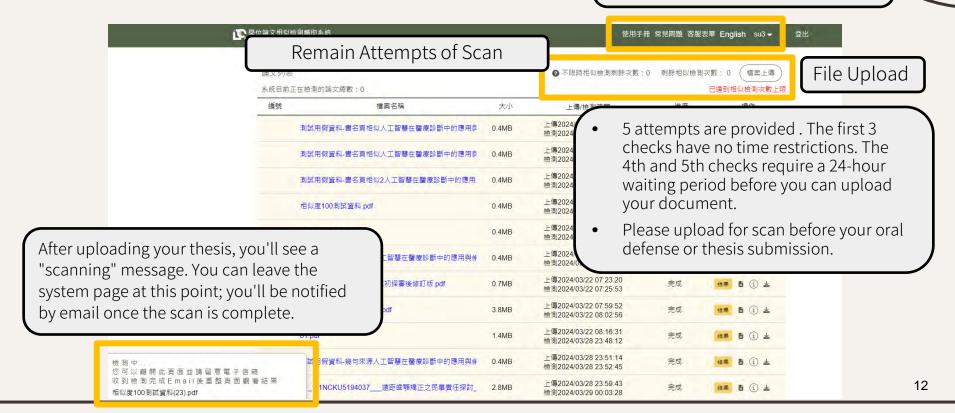


* The system will automatically send scan results to the advisor's email.

* Only one advisor 's email address can be entered. If you have multiple advisors, please forward the email to them.

Student Interface: Document List

User Manual, Frequently Asked Questions (FAQ), Contact Us, Switch Language

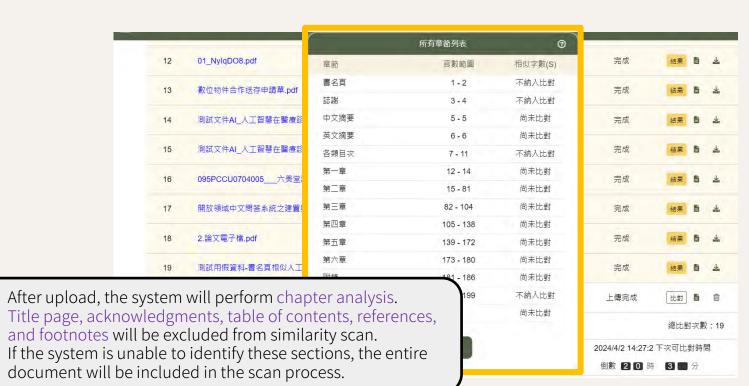




1 File upload



File analysis



3 Scanning

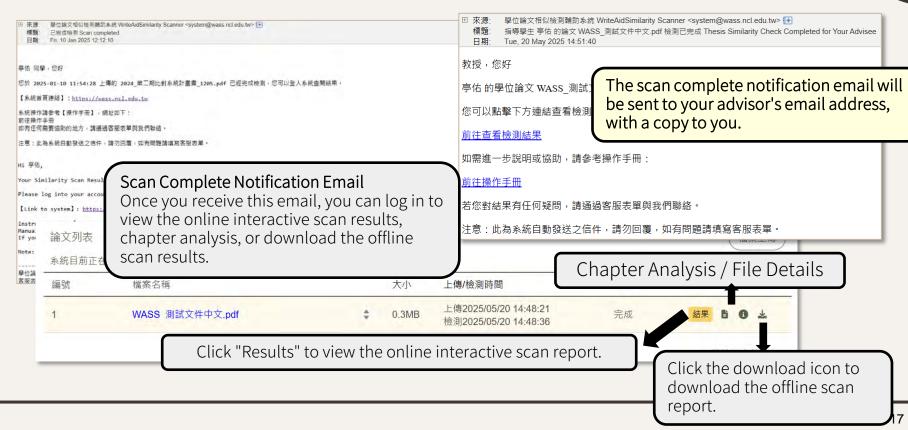


Reminder Message: scan Attempts Used

"Scanning" message. You can leave the system page at this point; you'll be notified by email once the scan is complete.

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Scan Report (Online Interactive Version)



Exclusion of Sentences

- Regarding the system's scan results, if a user believes that a detected similar sentence is a "quotation" and should not be counted as part of the similar word count, they can use the system's "Exclude Sentence" function to exclude the sentence when viewing the online report.
- Sentences confirmed for exclusion will not be counted in the similar word count. In the downloaded scan report, the excluded word count will be separately displayed, and the excluded sentences will be presented in a list.
- Whether an excluded sentence is a correct quotation needs to be discussed and determined by the student and their advising professor.



Exclusion of Sentences (1/5)



In the online scan results, click "Similar Sources Overview."

Exclusion of Sentences (2/5)

The study delves into the realm of artificial intelligence (AI) in medical diagnostics and the accompanying ethical concerns, encapsulating a pivotal intersection of contemporary medicine and technology ethics. Through a comprehensive approach involving literature reviews, expert interviews, and data analysis, this research surfaces critical insights:

To begin, a comparative analysis between AI-assisted diagnosis and traditional methods was conducted, study are to examine the adoption of IFRS 9 influenced the associated between the magnitude of derivatives usage for hedging purposes and firm value. The findings revealed promising potential in AI diagnosis for specific disease predictions, showcasing superiority over conventional approaches. However, in other diagnostic aspects, marginal differences were observed, highlighting areas necessitating further refinement within AI diagnostic frameworks.

Furthermore, insights from expert interviews underscored apprehensions and recommendations regarding privacy protection, decision transparency, and accountability. Experts emphasized the ethical challenges AI introduces into medical diagnosis, advocating for more stringent regulations and improvement initiatives.

Contrasting with existing literature, this study unearthed novel perspectives and unresolved issues previously unexplored, contributing to a more comprehensive understanding and deepening of ethical challenges in Al-assisted medical diagnosis.

In summary, this research emphasizes the potential of AI in medical diagnostics while unveiling corresponding ethical quandaries. For the fields of medicine and ethics,



- Click on a similar title entry to view the similar text.
- Then, click "Add to exclusion list" at the bottom right of the similar text.
- Click "Cancel " to undo adding it to the exclusion list.

Exclusion of Sentences (3/5)



After reviewing all sentences, return to the "Similar Sources Overview."

Then, click "check excluded list" or the function icon on the right to view the excluded sentences list.

Exclusion of Sentences (4/5)

- Click "Confirm
 Exclusion" and these
 sentences will then
 appear as excluded in
 the scan results.
- Click "Cancel" next to a sentence, that sentence will not be excluded.



Exclusion of Sentences (5/5)

Confirmed Exclusion List

- Sentences in the "Confirmed Exclusion List" have been excluded from your scan report
- To restore sentences, first check the box next to the sentences you wish to restore, then click "Restore." This will move the sentences back to the Similar Sources Analysis Overview.
- If you don't need to restore any sentences, you can close the window to view the scan report.



Scan Report (Offline version -1/2)

1. Statistical Table of Similar Characters by Chapter

提交檢測時間: 2024-05-29 00:14:11 結果產製時間: 2024-05-29 00:14:13 排除文句結果產製時間2024-05-29 11:30:19

提醒

- 1.比對報告僅提供撰寫論文且尚未畢業之學生與指導教授參考以提升論文品質,比對結果之解讀須考量實質貢獻度及不同學析領域慣例 業與第8.項目標。日本共和報論文日開之第一種無
- 2.對未遵守相關規範引起之問題,如檔案來源、公開數布比對報告等原因而違反著作權、智慧財產權等相關法律,使用者須自負責任。 2.此對於思想以實驗的意,可能採用以對於法律。使用對一次執行,應應用採及特質標準法之,應用來應用數數等關係可以持有採引用的問題。
- 5.以對應業相似子觀數周,可能檢閱可能法係、釋例。古文時期,等某學學名的時情形坦成,使用看應單應台府屬領域學所可用規定 格式,並語教撰導教授就撰寫論文內容、引註情形,與比對相同或相似之來憑等綜合判斷。針對上開常見引用情形,本系統亦設計 「

2. Similar Sources/ Similar Sentences

相似文字主要來源

編號 來源出處

- 林郁綺(2021)。利用人工智慧技術偵測中文假新聞。
- 2 Vanessa Prawira (2021)。土林夜市的聲景和遊客的聽覺印象。
- 3 *** 作者申請書目延後公開 ***
- 4 劉軒宏(2021)。基於深度學習GPT-2語言模型之中國古詩與對聯生成系統
 - 林彥廷(2020)。基於雙向長短期記憶結合條件隨機場進行中文命名實體辨識。

章節相似字數統計表

章節	頁數範圍	相似字數(S)	排除字
書名頁	1-1	不納入比對	0
誌謝	2-2	不納入比對	0
中文摘要	3 - 4	127	0
英文摘要	5 - 5	152	152
各類目次	6 - 6	不納入比對	0
第一章	7 - 7	170	0
第二章	8 - 9	0	0
第三章	10 - 11	0	0
第四章	12 - 12	314	84
第五章	13 - 15	100	0
總計(只納入比對章節)		863	236

The scan results will not display the "Total Similarity," "Word Count Per Chapter," or "Similarity Percentage." Instead, it will only show the similar word count per chapter and excluded word count. This approach is taken to prevent over-reliance on numerical values for simplified judgments, which can overlook the actual context and fair use of similar content (such as citations, common terminology, etc.). Please discuss the scan results in detail with your advisor.

pment of artificial intelligence, the technology as been introduced,

材料之製備。

e characteristics of the composite.

her the characteristics of computer-generated

5的聲景和遊客的聽覺印象

d or a noise will be based on the objective and

er a Chinese news article is human-written or semantic and syntactic components.

Scan Report (Offline version -2/2)

3. Excluded Similar Sentences

排除的相似來源對照文字

編號

來源對照文字

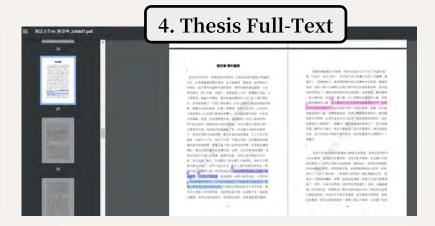
2 來源出處:

林煜陞(2023)。避險衍生性金融商品使用程度與公司價值之關係—適用避險會計之檢測。

來源文字: study are to examine the adoption of IFRS 9 influenced the associated between the magnitude of derivatives usage for hedging purposes and firm value.

您的文字: study are to examine the adoption of IFRS 9 influenced the associated between the magnitude of derivatives usage for hedging purposes and firm value. The

Showing the sentences that are excluded by the student



Similar text is highlighted in color. Excluded text is indicated by a red underline.

Scan Time

Second Trial Operation

Hardware equipment quantities are adjusted in response to periods of high and low usage.

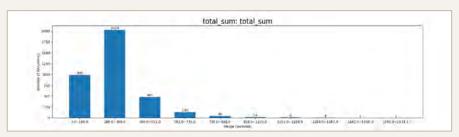
- High Usage Period: 81% of theses completed scan within 369 seconds (6.15 minutes). The average scan time per thesis was 276 seconds (4.6 minutes).
- Low Usage Period: 70% of theses completed scan within 433 seconds (7.22 minutes). The average scan time per thesis was 417 seconds (6.95 minutes).

Waiting Time for scanning 3,707 Theses

During High Usage Period of Second Trial Operation

Third Trial Operation

 Operating with hardware specifications for the low usage period, the average scan time per thesis is 480 seconds (8 minutes).



O3 Frequently Asked Questions (FAQ)

Activation email, Forget password, Chapter analysis, Limited attempts of similarity checks and Similarity percentage

Q1: What should I do if I haven't received the account activation email?

A1: If your school does not use the NCL Thesis Submission System, your account will be created by your school administrator. Once the account is created, the system will automatically send an account activation email. If you haven't received the activation email after your administrator has created the account, check your spam or junk mail folder — the email may have been mistakenly filtered by your school's email system. If you still cannot find the email, please contact your school's administrator to request that the activation email be resent.

Q2: What should I do if the activation or password reset link has expired after 24 hours??

A2: The link in the email is valid for 30 days, so it will not expire just because 24 hours have passed. However, once you have successfully set or reset your password, the link becomes invalid. If your account activation link no longer works, please contact your school's administrator to request a new activation email. If your password reset link has expired, go to the login page, click on "Forgot Password", and submit a new

request for a password reset email.

「体田夫服教物館」。	为容已經於 2024/07/29 重	・
DC 713 程 RX 627 796 平台 」。	登入	MY 25 DIN THE HEAT 2 SEE
1. 使用前請詳閱「系統簡介代表您已理解並同意遵守所	學校學就與工商號	當您開始使用本系統時・
2. 本系統僅供教育用途使用 文·且尚未於「臺灣博碩士	用	學校院正在撰寫學位論
上傳至系統之檔案·應為使 文檔·不包含自己或他人已 部會補助計畫等。	2554	Forget Password
3 檢測結果僅提供撰寫論文	登 从	数将參老·檢測結果之解 ■■■

Q3: Why can't the system correctly identify the "Table of Contents," "Chapters," or "References" in my thesis?

A3: The system performs chapter analysis based on the formatting and structural commonly used in theses across major universities in Taiwan. It automatically detects sections such as the Table of Contents, Acknowledgements, and References, and excludes them from similarity check. If you see a red-text warning message, it means the system was unable to recognize the structure of your document and therefore could not exclude the above sections from analysis. However, similarity checking can still proceed. In this case, please first review your thesis to ensure that:

- All essential sections are included (e.g., title page, table of contents),
- The formatting in your table of contents matches the actual section headers (e.g., the TOC lists "1. Chapter One Introduction" but the chapter heading in the text says only "Chapter One Introduction"). If the issue persists after verifying your document, please contact us, and we will assist you as soon as possible.

Q3: Chapter Analysis Failure Case

The analysis failed because the chapter titles in the table of contents included the number "1" at the beginning (e.g., "1 Chapter 1 Introduction"), while the corresponding chapter headings within the body of the document did not (e.g., "Chapter 1 Introduction Introduction").





介紹研究領域和問題背景;說明研究的目標和重要性;清楚定義研究所要解決的 問題,同時作為引言的一部份。

1.1 研究背景

在當今快速發展的科技領域中,人工智慧(AI)在醫療診斷方面的應用日益受到關注。隨著機器學習和大數據技術的進步,AI被廣泛應用於醫學影像分析、病理診斷和疾病預測等領域。引導病患或家屬完成諮詢,而看診進度查詢則提供了即時的看診進度。藉由以上 LINE BOT 案例,我們可以 想像將 LINE BOT 應用在工廠生產管理上,將會達到不錯的效果,例如玉山小 i 的外幣到價通知可以改成機聯網的機台生產異常通知,再結合自然語言理解 (Natural Language Understanding, NLU)與對話管理

Q4: Is there a limit to the number of similarity checks for theses?

A4: To efficiently allocate cloud computing resources, each user is allowed five similarity checks. The first three checks are processed immediately, while the 4th and 5th checks require a 24-hour waiting period before another upload is permitted. The system interface will display the remaining number of non-timed similarity checks and the total remaining similarity checks. Due to this limitation, we recommend conducting a full thesis similarity check only after completing your final draft. The ideal timing is before your oral defense or before submitting your thesis for official archiving, according to your university's regulations.

Q5: Why doesn't the system display a similarity percentage?

A5: The similarity scan results may include commonly used terms, technical vocabulary, or similar research methodologies, which do not necessarily indicate plagiarism. To avoid over-reliance on numerical values for simplified judgments and to ensure proper contextual interpretation of similar content (such as citations or frequently used terms), the system — based on a resolution from the Ministry of Education— does not display similarity percentages. Please discuss the results thoroughly with your advisor to determine whether any revisions or proper citations are needed.

Thank you!

Wishing everyone a smooth graduation and a brilliant future!

Any questions?

National Central Library WASS Support Team Email: wass@ncl.edu.tw TEL: (02) 2361-9132 ext. 526/504