

Hi, my name is Nicolo Belavendram.

I have been a lecturer (1992-2012) in

- University of Paisley (Scotland)
- Universiti Malaya
- Universiti Tunku Abdul Rahman

with a high focus on Research and Development throughout my career.

To know me better please see

- <https://sites.google.com/site/nbelmah/>
- <https://www.facebook.com/thesisonline4u>

Purpose of this video:

- 1. Introduce AsterWrite**
- 2. Seek Collaboration with a University**

The purpose of this video is to introduce my software AsterWrite and to seek collaboration with high ranking international Universities.

The target audience for this video is administrators in a College or University Postgraduate Research Department who would like to introduce a thesis writing software in their academic institution.

AsterWrite

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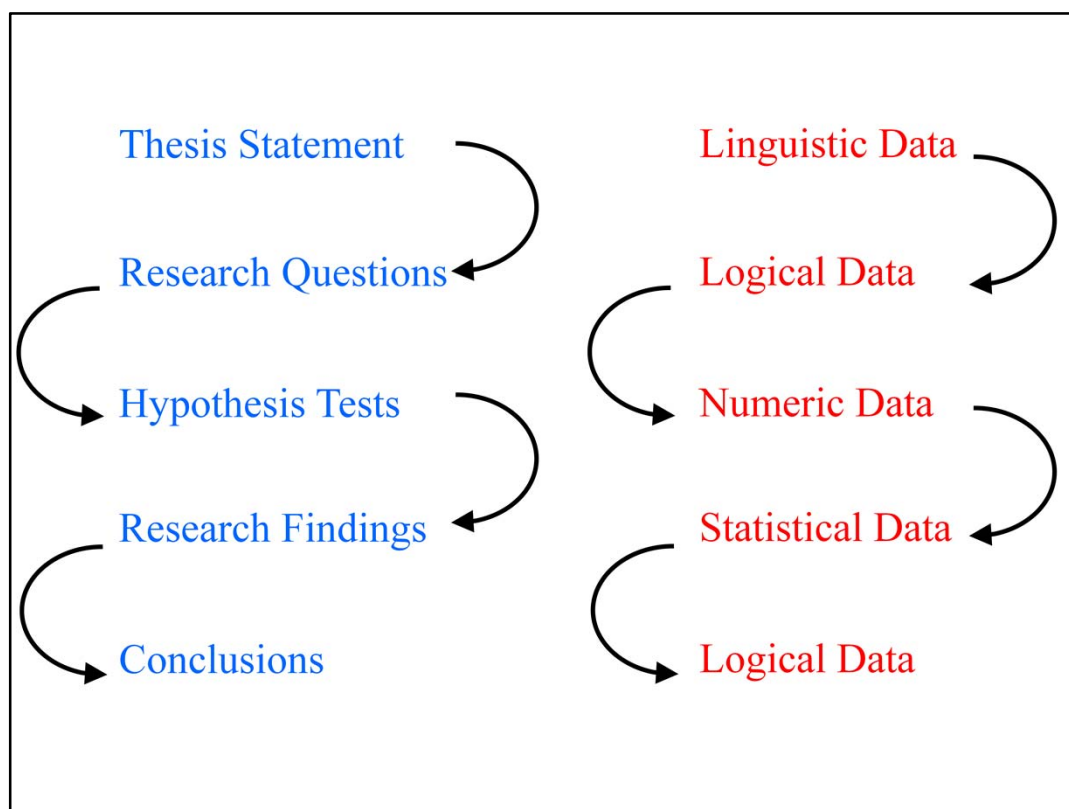
Introducing AsterWrite.

AsterWrite is an online software that helps researchers conduct research in a step-by-step manner.

AsterWrite is for anyone conducting research for Bachelor's, Master's or Doctorate program.

For more of this software features

- Visit my website
- Visit my Facebook page
- Email me, or
- Call me on my cell phone



AsterWrite is not a text editor.

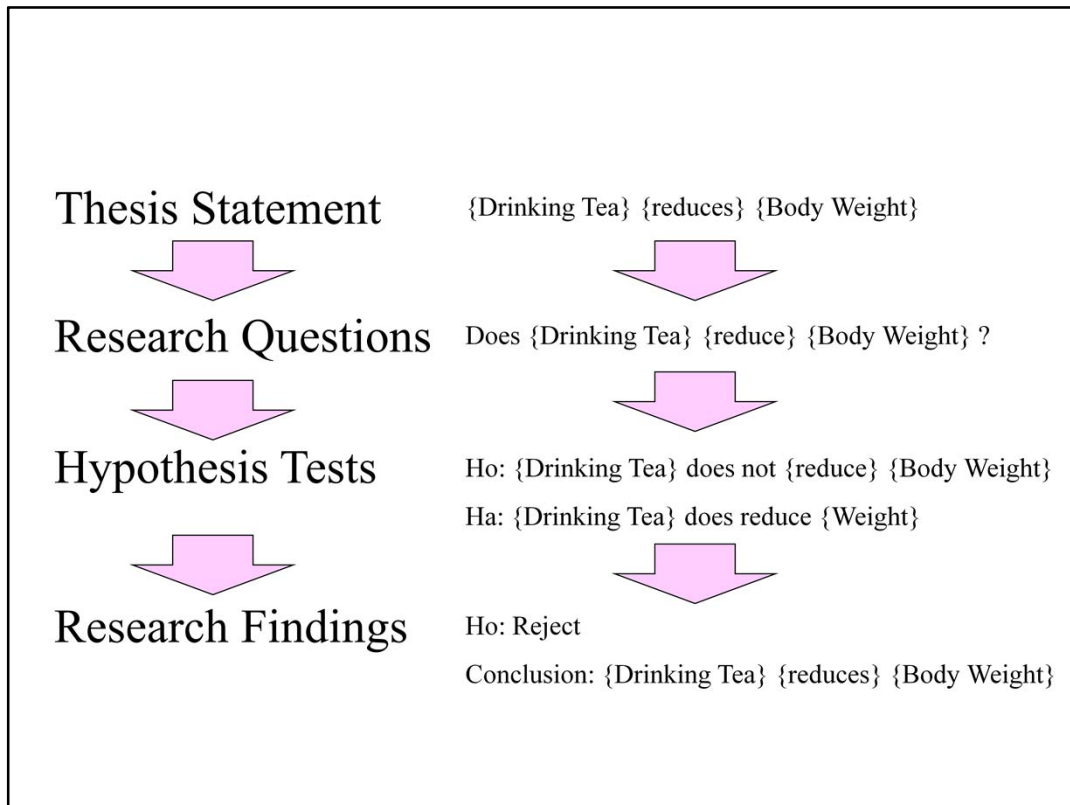
AsterWrite creates a Cascading Placeholder Method (CPM) that links the thesis statement to the research questions, which is linked to the hypothesis tests, which is linked to the research findings and conclusions.

AsterWrite manipulates text as variables and uses

- Linguistic
- Logical,
- Numeric (mathematical)
- Statistical, and
- Logical

treatments.

AsterWrite manipulates a researcher's thesis title, statement, topics, issues and scope like logical data to build the hypothesis. At the hypothesis stage, AsterWrite translates logical data into numeric data formats. When experimental data is entered, AsterWrite can then make inferences on statistical data.

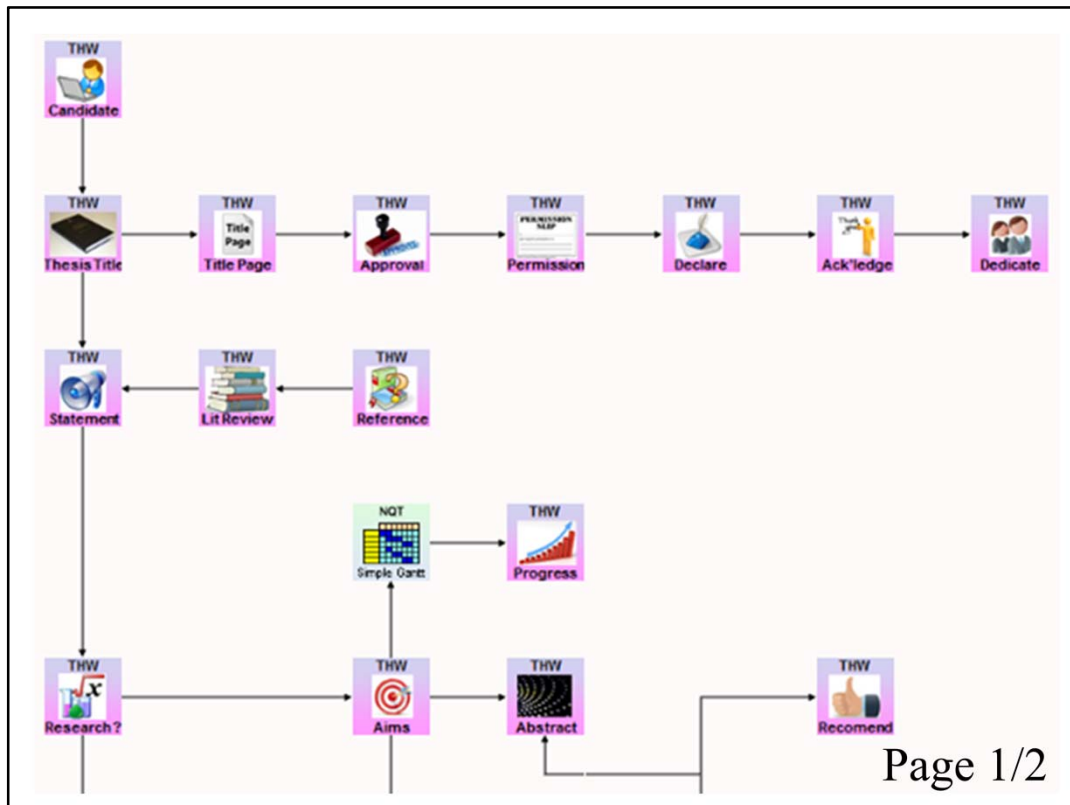


Here is a glimpse of how AsterWrite works logically and mathematically.

AsterWrite manipulates your thesis title, statement, topics, issues and scope like logical data to build the hypothesis.

At the hypothesis stage, AsterWrite translates logical data into numeric data formats.

When experimental data is entered, AsterWrite can then make inferences on statistical data.



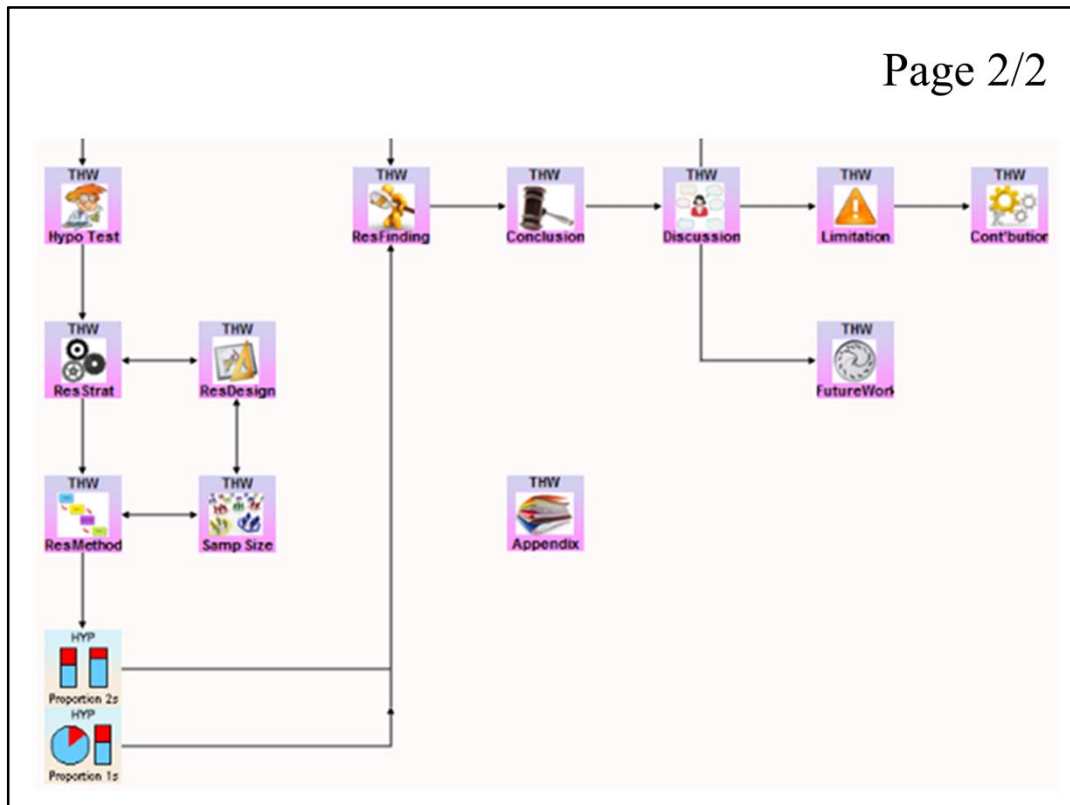
Using AsterWrite a researcher can create a flow chart of what activities need to be performed.

- Thesis Title
- Title Page
- Thesis Statement
- Research Question
- Research Findings
- Conclusion

AsterWrite synthesizes a researcher's thesis writing in a logical way.

Each step has a software applet that deals with that stage.

Here is a suggested arrangement of applets on two pages.




What is even more interesting: AsterWrite detects links automatically.

For example,

- Names needed in Thesis Title are fetched from Candidate information
- Hypothesis and Aims are fetched from Research Questions
- Research Findings knows the exact number of Hypothesis set up
- Research Conclusion consolidates all information from the Hypothesis Tests

Candidate Information



THW
Candidate

Candidate Details	
Candidate Name	01 Allan McG
Registration No.	02 UTAR2012456
Address	03 Victorian Road, UK
Telephone	04 12 4578 2542
E-mail	05 test@gmail.com
Study Details	
Degree of	06 Master of Philosophy
Department	07 Department of Engineering & Technology
Faculty	08 Faculty of Mechanical Engineering
University	09 Putra University
Country	10 Malaysia
Academic Supervisor	11 John Daniell
Academic Co-Supervisor	12 Brian Maxwell
Collaboration Details	
Collaboration	13 Texas Instrument
Town	14 Ampang
State	15 Ulu Kelang
Country	16 Malaysia
Industrial Supervisor	17 Clara Cousins
Industrial Co-Supervisor	18 Suzanne Andrews
Contact Person	19 Jane McIntyre

A selection of applets from the flow chart is shown in the following pages.

The Candidate Information applet collects information about the candidate.

Many of these information are used elsewhere in the thesis:

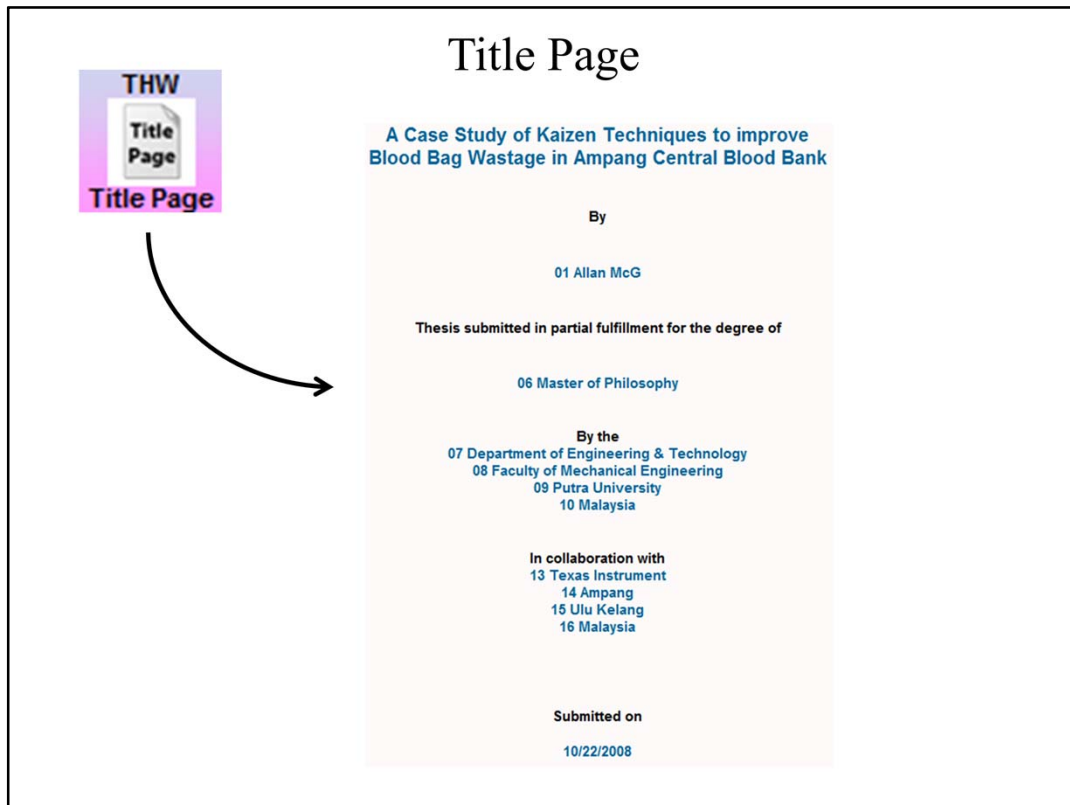
- Thesis Title
- Title Page
- Approval Page
- Declaration
- Permission
- etc.

The screenshot shows the Thesis Title applet interface. On the left is a 'THW' icon with a book and the text 'Thesis Title'. The main area contains three tables, each with 'Edit Values' and 'Edit Structure' buttons. The first table compares 'Kaizen Techniques', 'Six Sigma', and 'Total Quality Management' based on Execution, Cost, Complexity, Popularity, Average, and Ranking. The second table compares 'Blood Bag Wastage', 'Storage of Blood Bags', and 'Training' based on Efficiency, Cost Advantage, Average, and Ranking. The third table compares 'Ampang Hospital', 'Ampang Maternity', and 'Womens Clinic' based on Ease, Cost, Complexity, Average, and Ranking. On the right is a configuration panel with fields: Begin (A), Type (Case Study), Join1 (of), Topic (Kaizen Techniques), 2nd join (to), Modifier (minimize), Issue (Blood Bag Wastage), 3rd Join (in), and Scope (Ampang Central Blood Bank). Arrows connect the selected values in the configuration panel to the corresponding rows in the tables. Below the tables, the final synthesized thesis title is shown: 'A Case Study of Kaizen Techniques to improve Blood Bag Wastage in Ampang Central Blood Bank'.

The Thesis Title applet evaluates several possible Topics, Issues and Scope on several criteria.

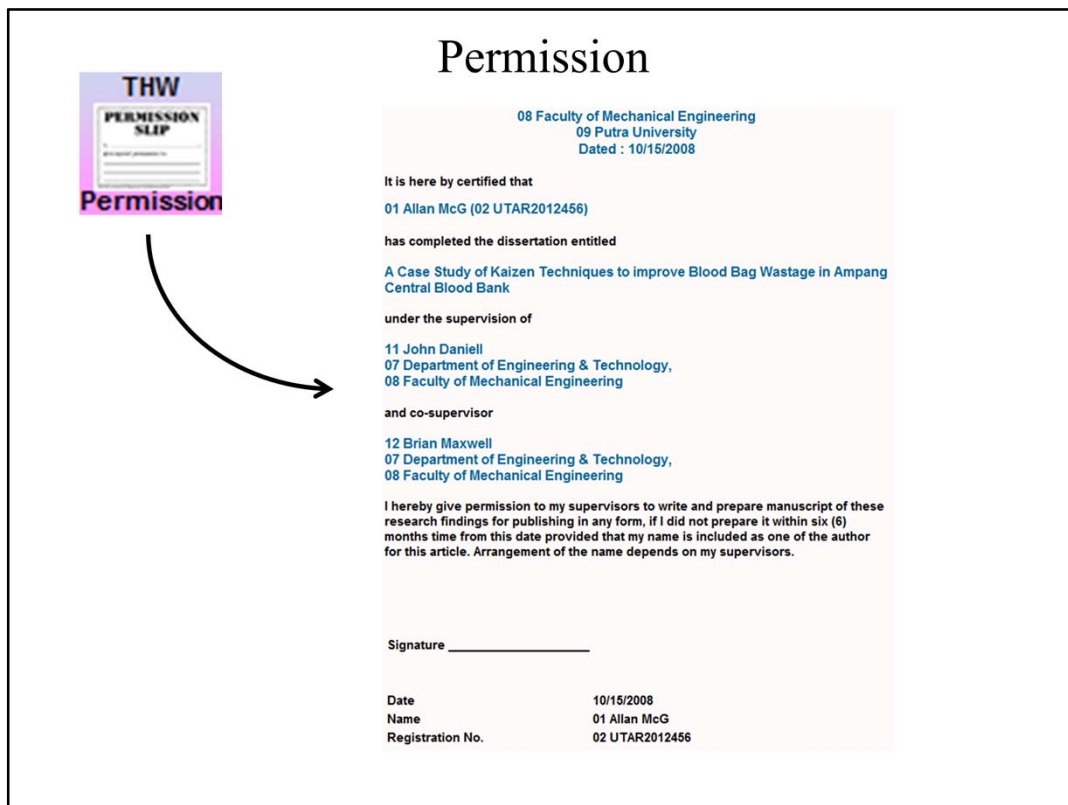
This enables the researcher to select the optimum or most important Topic, Issue and Scope – something seldom done by research candidates.

The Thesis Title applet then allows the researcher to synthesize the Thesis Title – in a way unlikely to be rejected by the Research Degrees Committee.



Based on the Thesis Title, AsterWrite prompts the Title Page automatically.

In fact, using the Candidate Information and the Thesis Title or Statement many pages can be prompted automatically.




Here is a sample Permission page.

The automatic generation of the Title Page, Approval Page, Permission Page, etc. help to build the research candidate's confidence into having a birds-eye-view of the research.

Formats and styles can be changed as required.

Acknowledgments



The logo features a yellow stick figure holding a sign that says "Thank you" and the text "THW Ack'ledge" in a stylized font.

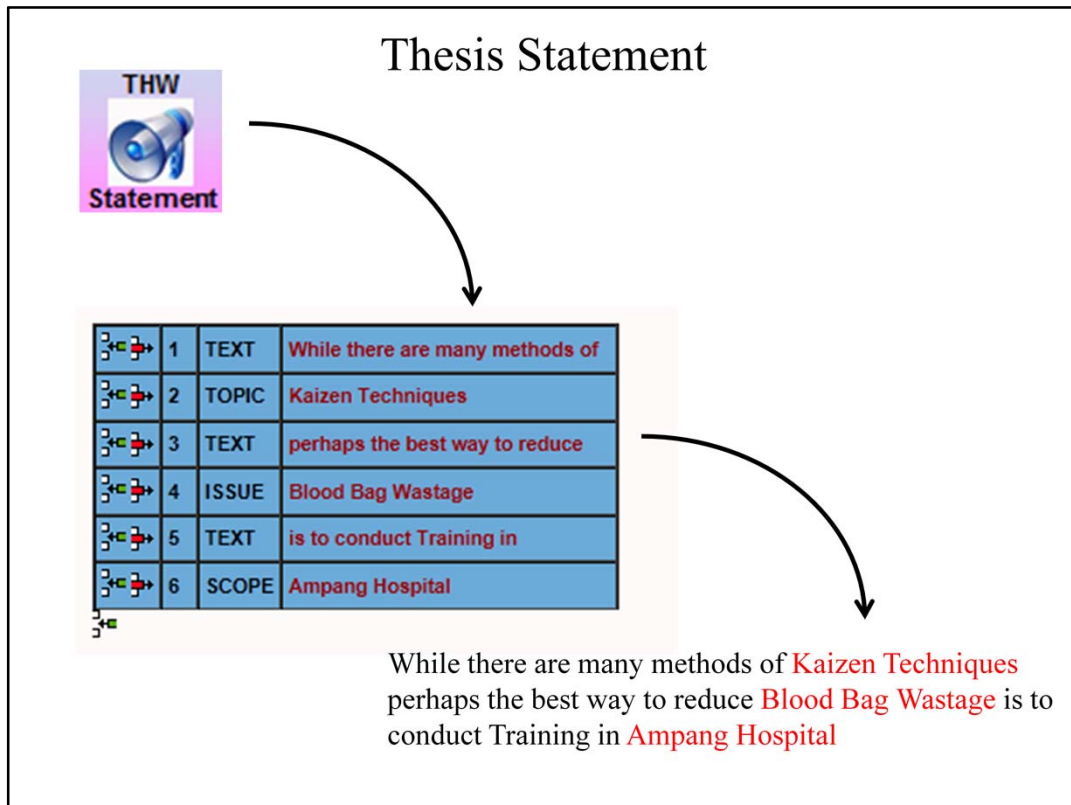
Pretext	I thank
Name	Academic Supervisor, Allan Croughton
Posttext1	for being very helpful in the statistical analysis.
Gender	He
Posttext2	kept the coaching when everything seemed to be a failure.
WITH/WITHOUT	With
Gender	his
Posttext3	guidance, I have accomplished this thesis.

I thank Academic Supervisor, Allan Croughton for being very helpful in the statistical analysis. He kept the coaching when everything seemed to be a failure. With his guidance, I have accomplished this thesis.

AsterWrite provides an elegant way of writing acknowledgements.

By using the menu driven method, research candidates can create very authentic acknowledgments like this.

This method is particularly helpful for students whose first language is not the English language.




The Thesis Statement applet is then used to synthesize the thesis statement using a flexible menu based method.

Topic, Issue, Scope and relevant variables are

- treated not merely as words but
- premises in a logical analysis
- amenable to building further mathematical computations and
- statistical analysis.


Research Questions

THW



Research?

Select Test

Change	Samples	Type of test	Test name	Test icon
Lesser than	Sample 1	Prop	Prop_1S	

Using 5 S reduces expired blood bags

Ho : The proportion of expired blood bags-Aft greater than or equal to {Constant}

Ha : The proportion of expired blood bags-Aft less than {Constant}

Thesis Aims

Aims	
1	improve
2	Implement
3	Using 5 S
4	to
5	reduces
6	expired blood bags

Implement Using 5 S to reduces expired blood bags

Advance features
automatically select the
Statistical Hypothesis Test

Intelligent synthesis of Null
and Alternate Hypotheses

Thesis Aims cascades from
Thesis Title and edited to
make a sentence

From the Thesis Statement, Sub-Research Questions are formed.

AsterWrite uses the relationship between appropriate Independent or Dependent variables to form a Statistical Test.


Except for very complicated cases, AsterWrite can even propose the Null and Alternate hypotheses!





Suppose a simplified example: Drinking Green Tea {reduces} Weight.

Using a novel approach Thesis Writing detects that the researcher needs a test for means.

The researcher can then choose to conduct a 1-sample, 2-sample or Paired t-test.

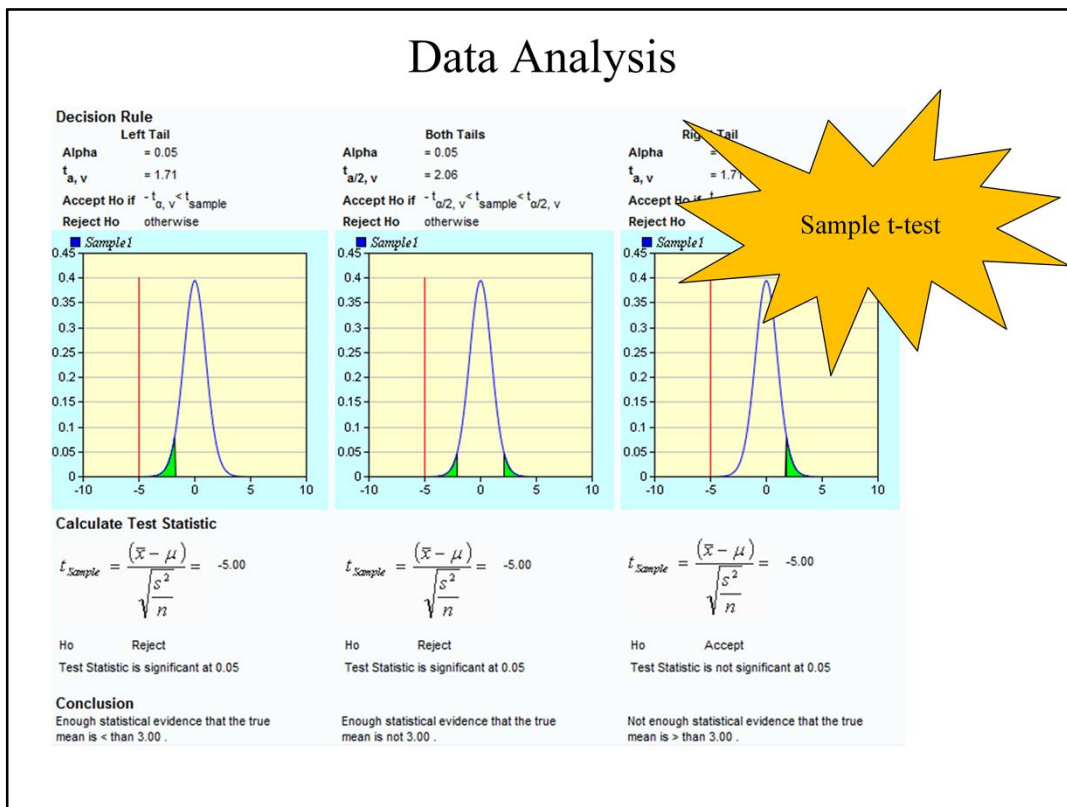
Hypothesis Tests


}

No.	Hypotheses	Test Name	Test Type
1	Using 5 S less expired blood bags Ho : The proportion of expired blood bags-Aft greater than or equal to {Constant} Ha : The proportion of expired blood bags-Aft less than {Constant}	Prop	 HYP Proportion 1s
2	Preventive maintenance less than wrong blood group Ho : The mean difference of wrong blood group-Aft greater than or equal to {Constant} Ha : The mean difference of wrong blood group-Aft less than {Constant}	DiffMean	 HYP t-Test 1s
3	Training1 maximizes expired blood bags Ho : The proportion of expired blood bags-Aft less than or equal to expired blood bags-Bfr Ha : The proportion of expired blood bags-Aft greater than expired blood bags-Bfr	Prop	 HYP Proportion 2s
4	Preventive maintenance maximizes wrong blood group Ho : The mean value of wrong blood group-Aft less than or equal to wrong blood group-Bfr Ha : The mean value of wrong blood group-Aft greater than wrong blood group-Bfr	Paired	 HYP t-Test Pair

AsterWrite can manage several Hypotheses Tests efficiently.

It will track each test and its corresponding data most cohesively.



Once the data is entered, AsterWrite automatically conducts the appropriate analyses for the test. For directional data AsterWrite handles

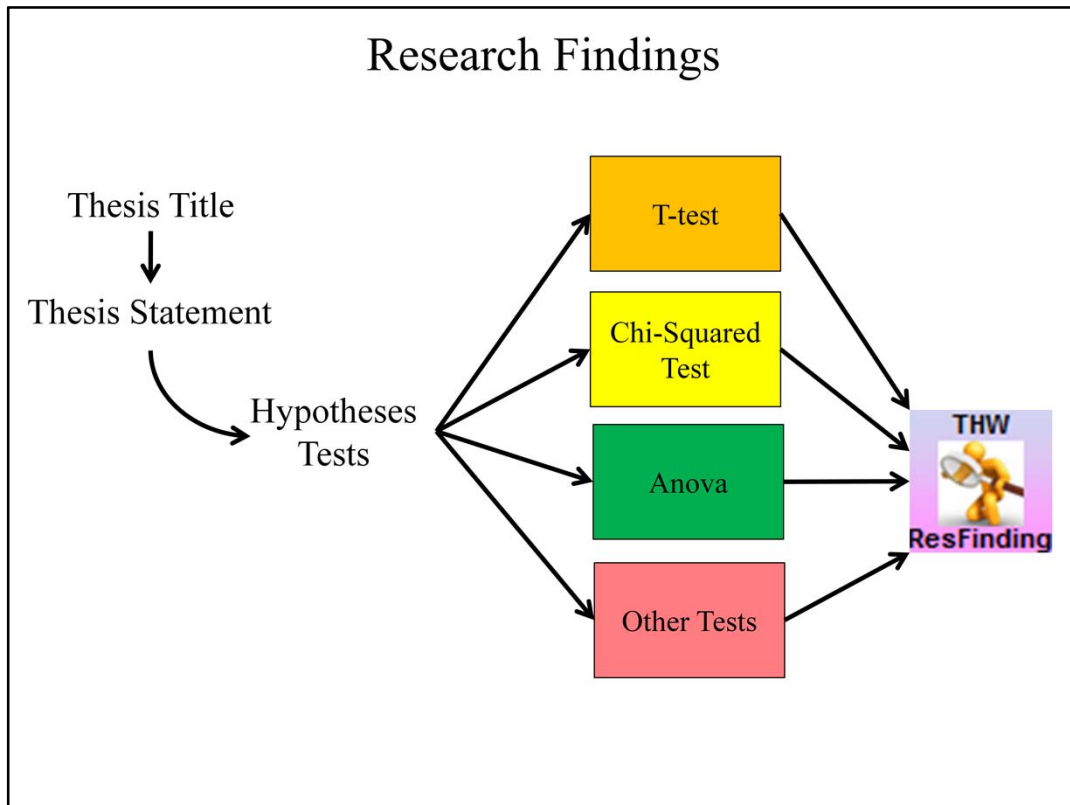
- Left tail e.g. H_0 : mean $\geq m$; H_a : mean is $< m$
- Both tails e.g. H_0 : mean = m ; H_a : mean is $\neq m$
- Right tail e.g. H_0 : mean $\leq m$; H_a : mean is $> m$

Output includes numerical values,

- Test results e.g. H_0 is Rejected or H_0 is not Rejected, and
- Conclusions e.g. Enough Statistical evidence that the true mean is $<$ than 3.00 and
- Very interesting graphs.

You can see a sample t-test here.

For other data types, e.g. association, AsterWrite knows exactly how to handle the data.



The results from several tests can be collated by the Research Findings applet.


Statistical tests include:



- Tests of mean
- Tests of variance
- Tests of association
- Likert Scale
- Etc.

More tests are being added periodically.



Research Findings



No.	Hypotheses	Test Name
1	<p>Using 5 S less expired blood bags</p> <p>Ho : The proportion of expired blood bags-Aft greater than or equal to (Constant) Ha : The proportion of expired blood bags-Aft less than (Constant)</p> <p>Test data not available...</p>	Prop 
2	<p>Preventive maintenance less than wrong blood group</p> <p>Ho : The mean difference of wrong blood group-Aft greater than or equal to (Constant) Ha : The mean difference of wrong blood group-Aft less than (Constant)</p> <p>Statistical Decision</p> <p>Ho - Reject Test Statistic is significant at 0.05</p> <p>Conclusion</p> <p>Enough statistical evidence that the true mean is < than 3.00 .</p>	DiffMean 
3	<p>Training1 maximizes expired blood bags</p> <p>Ho : The proportion of expired blood bags-Aft less than or equal to expired blood bags-Bfr Ha : The proportion of expired blood bags-Aft greater than expired blood bags-Bfr</p> <p>Test data not available...</p>	Prop 
4	<p>Preventive maintenance maximizes wrong blood group</p> <p>Ho : The mean value of wrong blood group-Aft less than or equal to wrong blood group-Bfr Ha : The mean value of wrong blood group-Aft greater than wrong blood group-Bfr</p> <p>Statistical Decision</p> <p>Ho - Accept Test Statistic is not significant at 0.05</p> <p>Conclusion</p> <p>Not enough statistical evidence that m2 - m1 > 0.00</p>	Paired 


AsterWrite consolidates the Research Findings in an amazing way.

It detects all the statistical tests conducted and summarizes the

- Sub-Research Statement
- Null and Alternate Hypotheses
- Statistical Decisions
- Conclusions

AsterWrite can detect if





- If the researcher has not added a statistical test where intended, and prompt “Test applet not available” or,
- If the Statistical test is not populated with data, and prompt “Test data not available....”



THW
Conclusion

Conclusion

Conclusion compares Research Aims and Research Findings automatically !!

No.	Aims and Test Status	Status
1	Aim : Using 5 less expired blood bags Test data not available...	 No data yet
2	Aim : Preventive maintenance less than wrong blood group Result : Enough statistical evidence Preventive maintenance less than wrong blood group	 Claim substantiated
3	Aim : Training1 maximizes expired blood bags Test data not available...	 No data yet
4	Aim : Preventive maintenance maximizes wrong blood group Result : Not enough statistical evidence Preventive maintenance maximizes wrong blood group	 Claim NOT substantiated

Cascading from the Research Findings, AsterWrite compares the Aims and the Results for each Research (or Sub-Research) Statement.

- If the test result Rejects Ho then AsterWrite substantiates this by “Enough statistical evidence” that the Statement is proven.
- If the test result does not Reject Ho then AsterWrite notifies this by “Not enough statistical evidence” for the Statement.

The researcher may then need to revisit the statistical test all the way from the Research (or Sub-Research) Statement.

Other Features

Time	Group	Research Method	Measure Method	Survey Data
Tuesday 9				
Tuesday 9				

14	Concurrent Validity	Test if a questionnaire instrument has Content Validity	Concurrent Validity of two questionnaire instruments	 Concurrent
15	Predictive Validity	Test if a questionnaire instrument has Predictive Validity	Predictive Validity of two questionnaire instruments	 Predictive
16	Convergent Validity	Test if a questionnaire instrument has Convergent Validity	Convergence Validity of two questionnaire instruments	 Converge
17	Divergent Validity	Test if a questionnaire instrument has Divergence Validity	Divergence Validity of two questionnaire instruments	 Discrim

Correlation

	G1	G2	G3	G4	G5	G6	A1	Total
AGA	0.958	0.890	0.873	0.955	-0.064	0.312	-0.153	0.878
SUA	0.922	0.959	0.881	0.901	-0.016	0.239	0.025	0.910
PHM	0.908	0.906	0.965	0.911	0.112	0.431	-0.180	0.922
CI	-0.449	-0.342	-0.371	-0.519	0.116	-0.488	0.559	-0.328
A1	0.109	0.035	0.180	0.420	-0.188	-0.395	-0.264	0.055
A2	-0.361	-0.229	-0.299	-0.498	-0.156	-0.210	0.500	-0.285
A3	0.509	0.382	0.395	0.497	0.620	-0.028	0.128	0.554
Total	0.890	0.877	0.884	0.909	0.126	0.095	0.070	0.903

Statistics

No. of Items in A	7
No. of Items in B	7
No. of Respondents	10
Alpha Critical	0.7
Average Correlation	0.468
Test	Accept

Conclusion : The Methods Concurrency is insignificant

AsterWrite has other features including Reliability and Validity tests such as:

Reliability

- Cronbach Alpha
- Internal Consistency
- Stability

Validity

- Concurrent
- Predictive
- Convergent, and
- Divergent

Collaboration Opportunity

By now you can see the incredible power of AsterWrite.

AsterWrite provides a mechanism for students to conduct original research and thereby reduce plagiarism.

This paves the way for

- Good research
- New research
- Proper research
- Scientific research

To make this software available to students in your college or university, we need your collaboration.

We seek your collaboration to acknowledge the use of this software by your students.

Seek Collaboration where I:

- 1. Can advance your institutions' research**
- 2. Can develop the software further**
- 3. Retain my Intellectual Property Rights**

We reach out for your collaboration with us.

I believe there is no thesis writing software, in the world, that works like AsterWrite.

So, I am looking for a partnership where I:

- Can advance your institutions' research
- Can develop the software further
- Retain my Intellectual Property Rights

Seek Collaboration where You:

1. get recognition for the software
2. can advance your global ranking
3. get privileged usage of the software

And where you (or your organization) can:

AsterWrite

<http://ict-m.com>

<https://www.facebook.com/thesisonline4u>

nbelmah@gmail.com

+60 12 4769 765

If you are interested in AsterWrite and this collaboration, you can reach me in any of the above ways.

And I do look forward to hearing from you.

For more of this software features

- Visit my website
- Visit my Facebook page
- Email me, or
- Call me on my cell phone

Thank you once again.