

AsterWrite

Features and Benefits

Of

AsterWrite

Thesis Writing Software

AsterWrite

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Introducing AsterWrite.

AsterWrite is an online software

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

AsterWrite

Thesis Writing Software

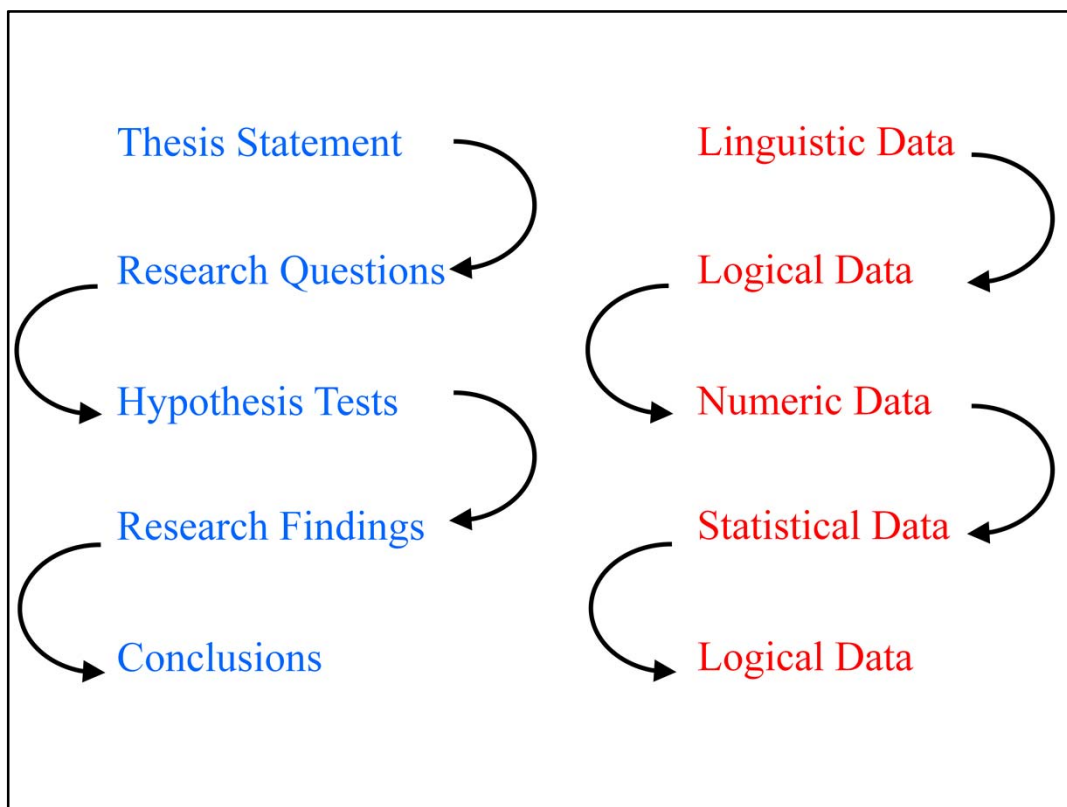
Masters and doctoral students

Write Outlines, Proposal or Thesis

Helps researchers conduct research in a step-by-step manner

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.

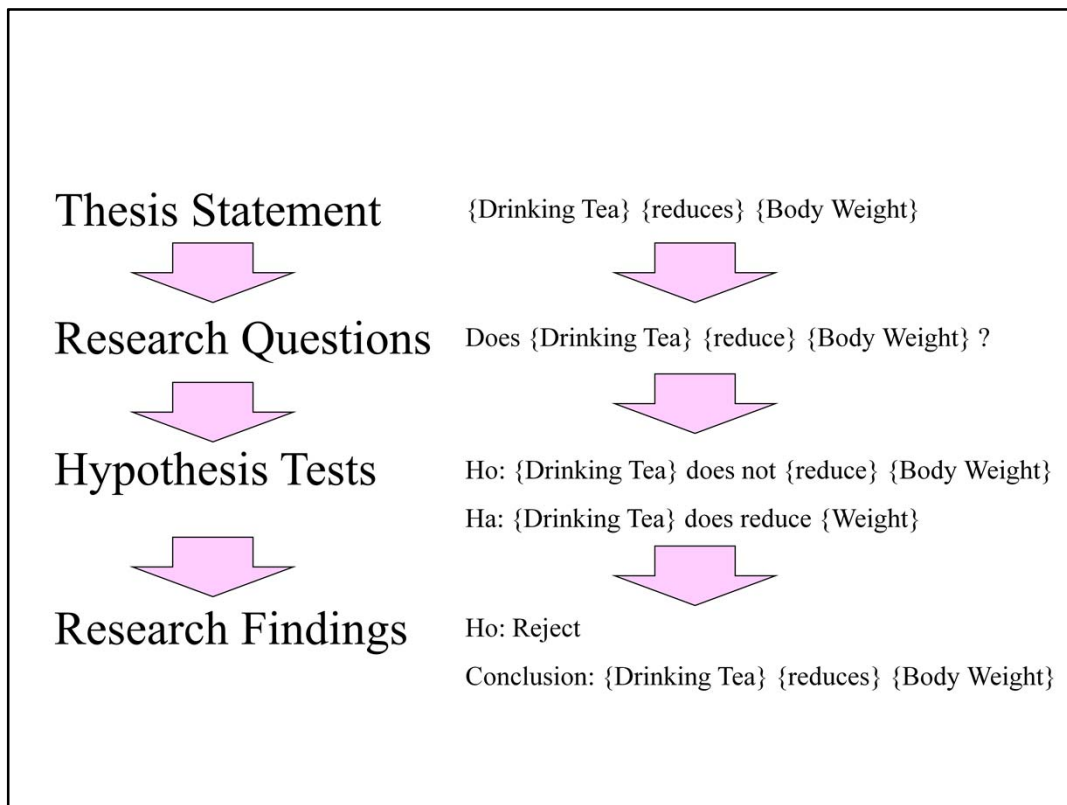
AsterWrite creates a Cascading Placeholder Method (CPM) that links the thesis statement to the research questions, which is linked to the hypothesis tests, which is linked to the research findings and conclusions.

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.

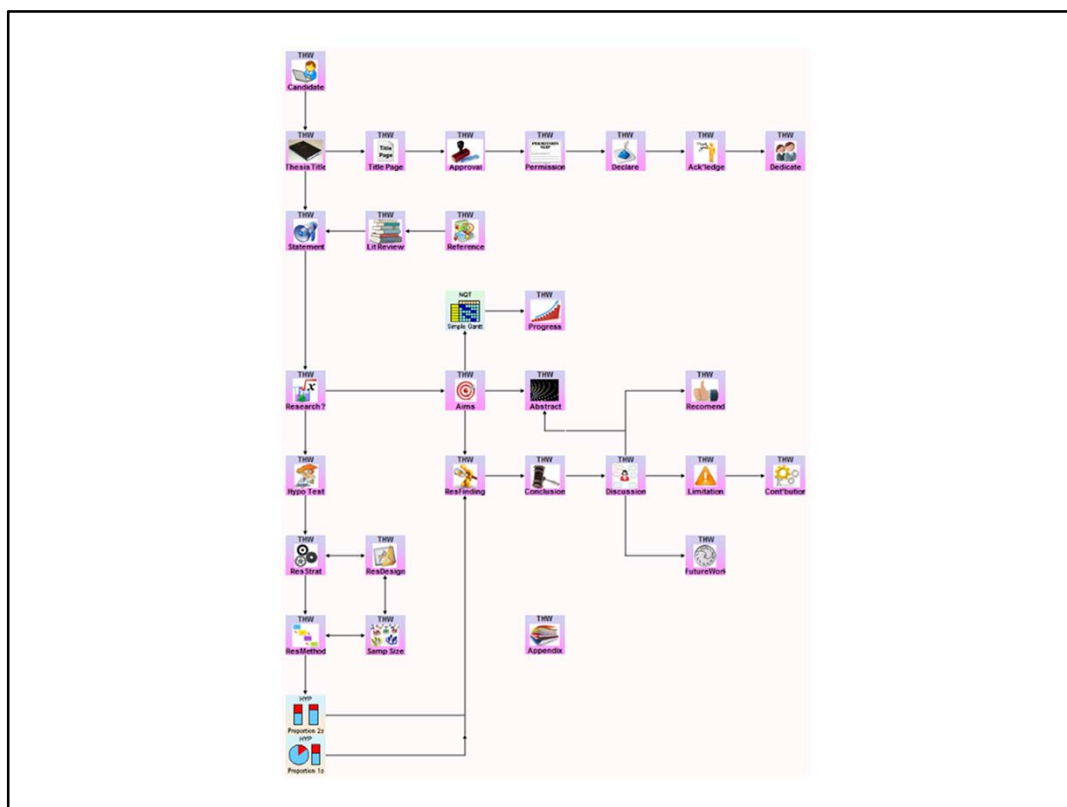


Here is a glimpse of how AsterWrite works logically and mathematically.

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

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

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

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

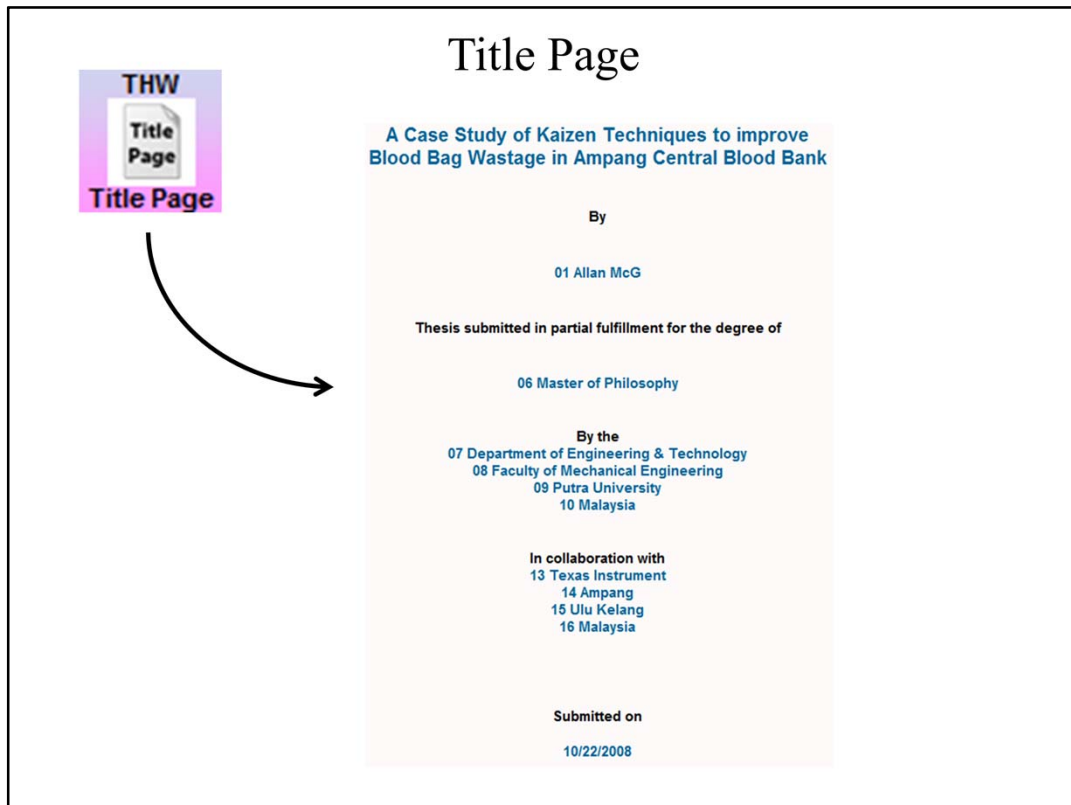
Here is a suggested arrangement of applets on two pages.

The screenshot shows the Thesis Title applet interface. On the left, a 'Research Questions' tree is shown with branches for 'Topic', 'Issue', and 'Scope'. The 'Topic' branch is selected, leading to three evaluation tables. The first table evaluates 'Kaizen Techniques', 'Six Sigma', and 'Total Quality Management'. The second table evaluates 'Blood Bag Wastage', 'Storage of Blood Bags', and 'Training'. The third table evaluates 'Ampang Hospital', 'Ampang Maternity', and 'Womens Clinic'. Below these tables, a configuration panel shows the selected values: 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). On the right, the final synthesized thesis title is displayed: '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, e.g. feasibility, cost, etc.

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.

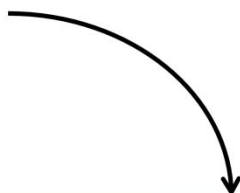



Based on the Thesis Title, AsterWrite prompts the Title Page automatically as shown above.

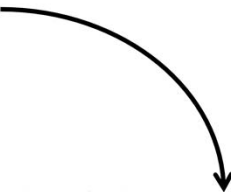
In fact, using the Candidate Information and the Thesis Title AsterWrite prompts many pages automatically, including:

- Approval
- Permission
- Declaration
- Acknowledgement
- Dedication

Acknowledgments



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.

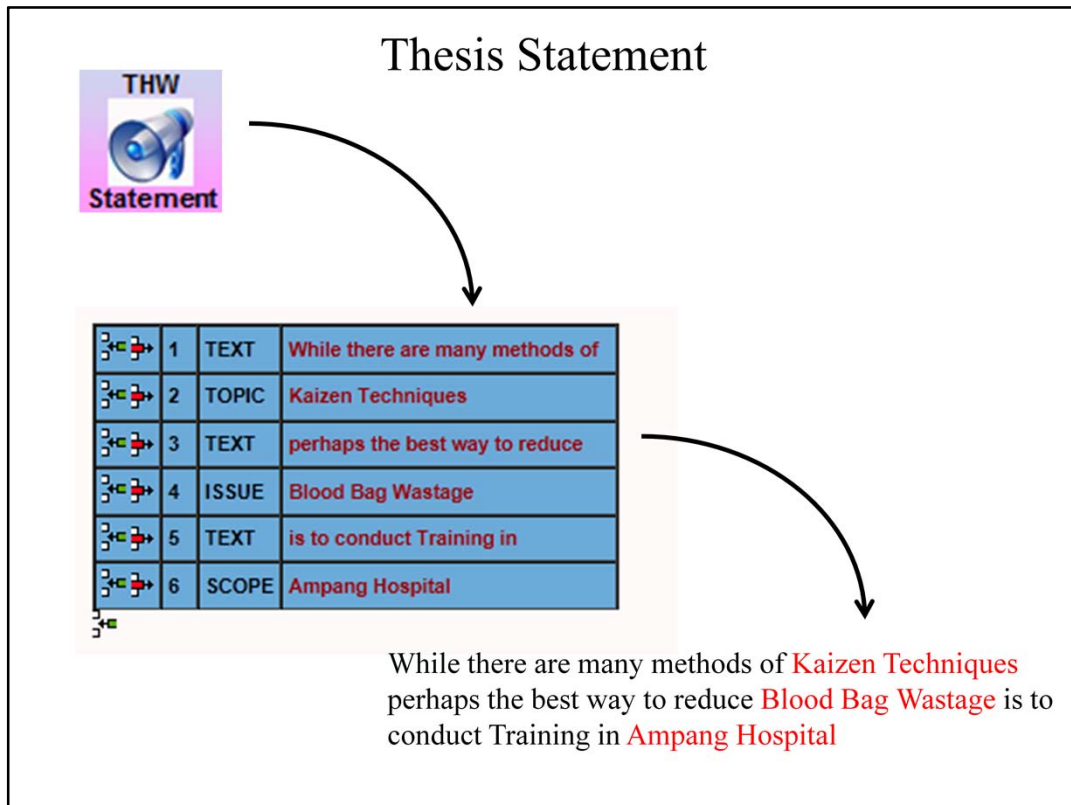


I thank Academic Supervisor, Allan Croughton for being very helpful in the statistical analysis. He kept the coaching when everything seemed to be a failure. With his guidance, I have accomplished this thesis.

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

Delete Applet from Project Flow

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

Edit

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 AsterWrite 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.

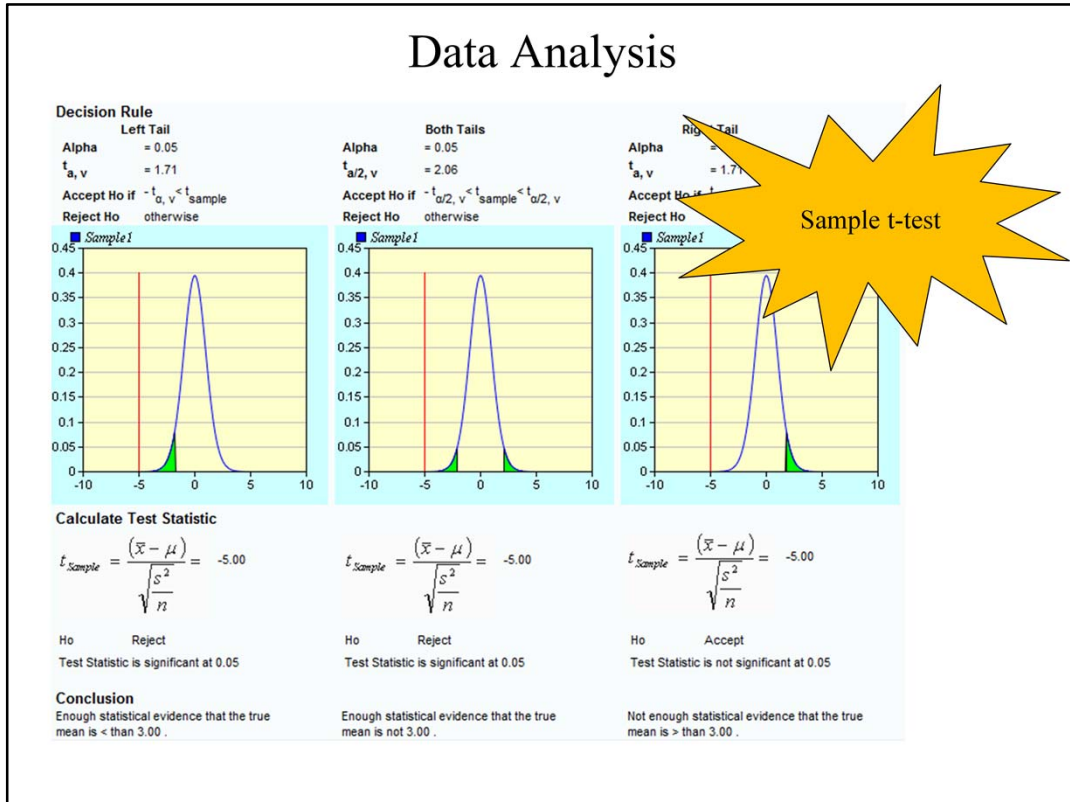
Hypothesis Tests


}

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 {Constatnt} 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 {Constatnt} 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

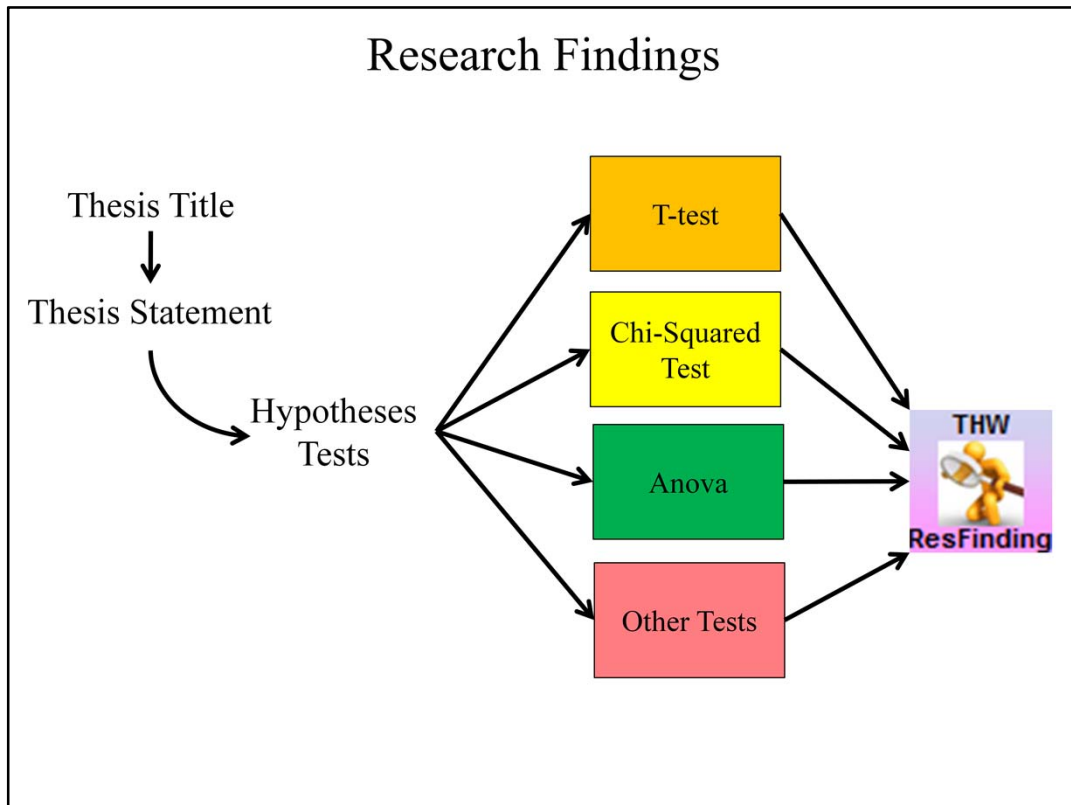
- Left tail e.g. H_0 : mean $\geq m$; H_a : mean is $< m$
- Both tails e.g. H_0 : mean = m ; H_a : mean is $\neq m$
- Right tail e.g. H_0 : mean $\leq m$; H_a : mean is $> m$

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	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) Test data not available...	Prop	
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) Statistical Decision Ho - Reject Test Statistic is significant at 0.05 Conclusion Enough statistical evidence that the true mean is < than 3.00 .	DiffMean	
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 Test data not available...	Prop	
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 Statistical Decision Ho - Accept Test Statistic is not significant at 0.05 Conclusion Not enough statistical evidence that m2 - m1 > 0.00	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 H_0 then AsterWrite substantiates this by “Enough statistical evidence” that the Statement is proven.
- If the test result does not Reject H_0 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
PHA	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

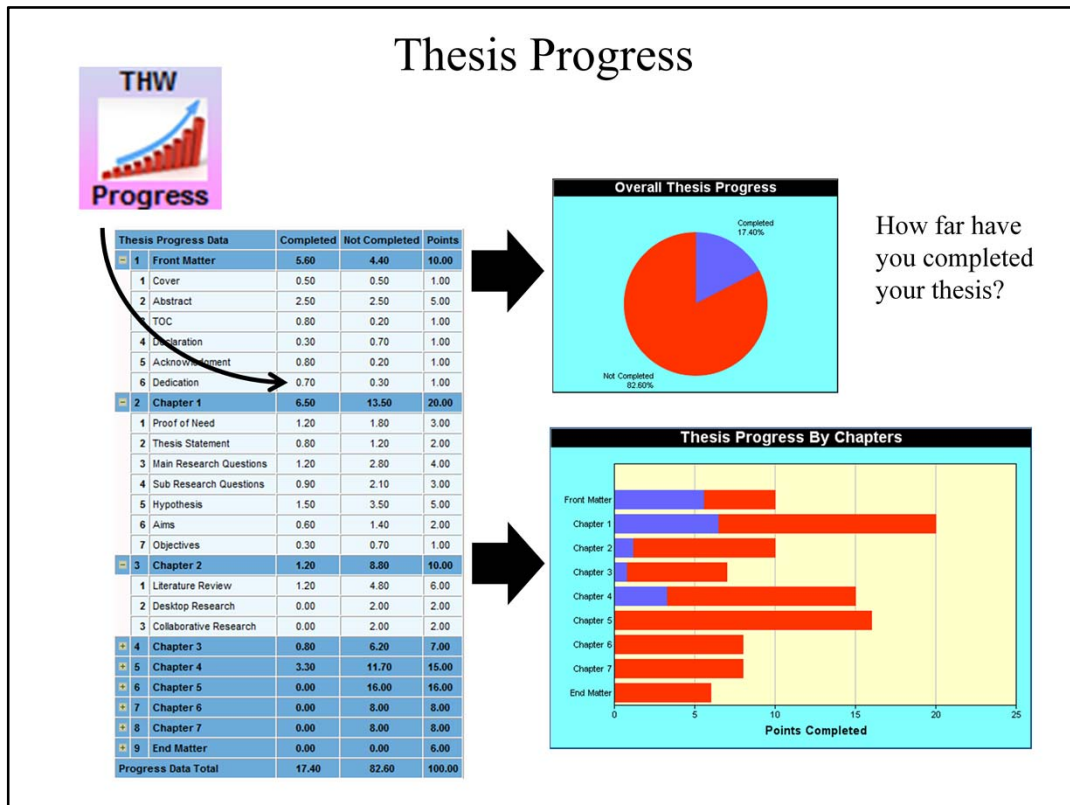
AsterWrite has other features including Reliability and Validity tests such as:

Reliability

- Cronbach Alpha
- Internal Consistency
- Stability

Validity

- Concurrent
- Predictive
- Convergent, and
- Divergent



This is yet another interesting aspect of AsterWrite.

The Thesis Progress allows you to track “what needs to be done” and “what has been done”. A graph then displays the percentage of work completed.

Different graphs display the “work to be done” and “work completed” in different ways.

The Thesis Progress is very helpful to researchers in avoiding the “I am almost complete” feeling when in fact much needs to be done.

Finally ...



...be proud of you research...

AsterWrite helps you to

- Create Thesis Statement emphatically
- Structure Research Questions systematically
- Postulate Null and Alternate Hypotheses correctly
- Conduct Statistical Tests and Data Analysis efficiently
- Infer Decisions and Conclusions powerfully

With AsterWrite

- Design original research (plagiarism is no problem)
- Conduct deeper research

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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

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

Thank you once again.