

# Ethical Considerations in Publishing a Scientific Article IRB, Consent, & Plagiarism



ERIK CHRISTOPHER HOOKOM  
B.A., M.ED., TEFL

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*“One of the many lessons of history is that  
very little is accomplished alone.”*

Dave McCullough

# Today's Statements of Ethical Consideration



- Research study received ethical approval from appropriate institutional review board.
- All participants signed an informed consent form prior to beginning data collection.
- All authors declare there are no conflict of interests.
- All efforts made to ensure confidentiality, safety, and originality.

# A Gasp From the Recent Past



- Dr. Stanley Milgram and his infamous experiments:
- In 1962, The Authority/Obedience Experiments were conducted with little to no human subject ethical consideration nor approval from any IRB review.
- The results are disturbing from many perspectives.
- [Video available at the following hyperlink –](#)
- <https://www.youtube.com/watch?v=ZZ-XEAmCmTo>

# Disregard for Ethical Considerations



- Provided misleading information about study:
- Including type of research, number of participants, and actual procedures used in conducting study.
- Did not inform study participants of rights:
- Including freedom to discontinue, and confidentiality.
- Overstated results and provided misleading findings.

# Misleading Statement of Consent to Participate



## **Persons Needed for a Study of Memory**

\*We will pay five hundred New Haven men to help us complete a scientific study of memory and learning. The study is being done at Yale University.

\*Each person who participates will be paid \$4.00 (plus 50c carfare) for approximately 1 hour's time. We need you for only one hour: there are no further obligations. You may choose the time you would like to come (evenings, weekdays, or weekends).

\*No special training, education, or experience is needed. We want:

Factory workers

Businessmen

Construction workers

City employees

Clerks

Salespeople

Laborers

Professional people

White-collar workers

Barbers

Telephone workers

Others

All persons must be between the ages of 20 and 50. High school and college students cannot be used.

\*If you meet these qualifications, fill out the coupon below and mail it now to Professor Stanley Milgram, Department of Psychology, Yale University, New Haven. You will be notified later of the specific time and place of the study. We reserve the right to decline any application.

\*You will be paid \$4.00 (plus 50c carfare) as soon as you arrive at the laboratory.

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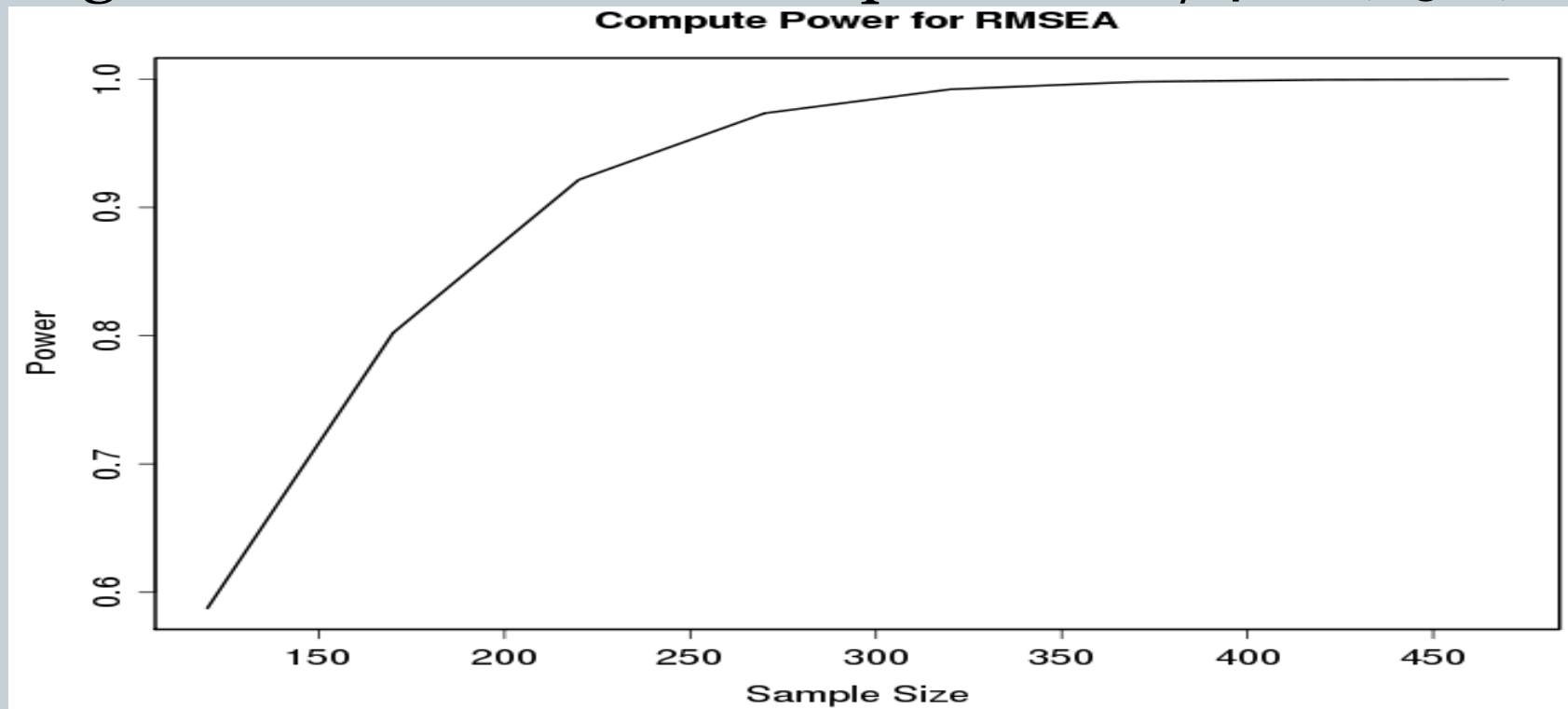
TO:

PROF. STANLEY MILGRAM, DEPARTMENT OF PSYCHOLOGY,  
YALE UNIVERSITY, NEW HAVEN, CONN. I want to take part in  
this study of memory and learning. I am between the ages of 20 and  
50. I will be paid \$4.00 (plus 50c carfare) if I participate.

# Misleading Statements of Results and Findings



- Only 26 out of 40 participants were 100% obedient.
- Eigenvalues  $X_{10}$  would be equal to  $260/400$  (65%)??



## *Declaration of Helsinki (1995) and Seoul (2008)*



- The authors reporting studies involving human subjects must have attained approval from appropriate institutional ethics board before any data collection was started.
- In America, this review is done by the Institutional Research Board (IRB) according to the Collaborative Institutional Training Initiative or CITI standards.
- All investigations on human subjects must include a statement that all participants gave informed consent and patient anonymity was preserved.

# Further Ethical Considerations

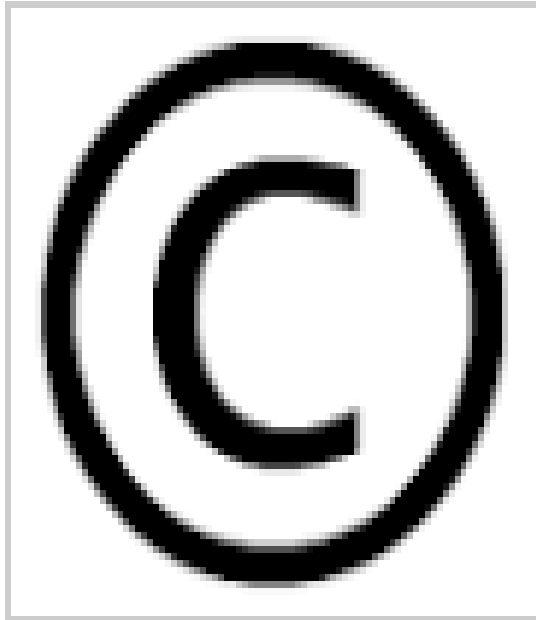


- Ethical Standards for human experimentation were established in the Declaration of Helsinki in 1995.
- This covenant was further revised in Seoul in 2008.
- This policy is available at the following website:  
<http://www.wma.net/e/e/policy/b3.htm>

Additionally, any experiments involving animals must be ethically acceptable and conform to national guidelines for animal usage in research.



# Are You Protected?



# Concepts of Intellectual Property Rights



- International Patent Pending and Copyright Laws
  - adopted in 1952 by UNESCO, the Universal Copyright Convention (UCC) protects many copyrighted creations from piracy and widespread distribution, although limited in jurisdiction.

Rivalry continues between signatures to the Berne Convention and UN members while an effort was made at reconciliation through the World Trade Organization called *The Agreement on Trade-Related Aspects of Intellectual Property Rights*.

# CopyLeft or CopyRight?



- Copyright is symbolized by the circled letter C.
- It symbolizes for American authors the following:
- All works published in the United States before 1923 are in the public domain.
- Works published after 1922, but before 1978 are **protected for 95 years from the date of publication.**
- **If the work was created, but not published, before 1978, the copyright lasts for the life of the author plus 70 years.**

# What is the Concept behind CopyLeft?



- Copyleft is a strategy of utilizing copyright law to pursue the policy goal of fostering and encouraging the equal and inalienable right to copy, share, modify and improve creative works of authorship.
- Copyleft (as a general term) describes any method that utilizes the copyright system to achieve the aforementioned goal.
- Copyleft as a concept is usually implemented in the details of a specific copyright license, such as the GNU, General Public License and The Creative Commons Attribution Share Alike License.

*Source: Copyleft.org*

# Questionable Ethics about Writing Services



- Many sites now offer per page pricing for writing.
- ***Caveat Emptor: May the Buyer Beware!!***
- While searching for a bibliographic tool, you will see numerous pop-ups present online purchase opportunities ranging from \$10-40 USD/page.
- ***Caveat Emptor: May the Buyer Beware!!***
- Supposedly written from scratch to your specifications, this marketing approach has been very successful in providing writing that is a source of controversy and questionable ethics.

# What is the Definition of Plagiarism?



- **ACCORDING TO THE MERRIAM-WEBSTER ONLINE DICTIONARY, TO "PLAGIARIZE" is to steal and pass off (the ideas or words of another) as one's own or to use (another's production) without crediting the source; and to commit *literary theft* is to present as new and original an idea or product derived from an existing source.**
- **In other words, plagiarism is an act of fraud. It involves both stealing someone else's work and lying about it afterward.**

*Source: Plagiarism.org*

# OHIO University, USA



# Thesis and Dissertation Services (TAD)



- Developed to encourage original scholarship and scientific publication.
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- **CITI: Collaborative Institutional Training Initiative**
- Over 9000 courses offered since the year 2000.
- Worldwide recognition for certification in research methodologies and selection of IRB membership.

# CITI March 2016 Newsletter



Topics include:

*Safer Social Networking for You and Your Organization*

*Rebuilding Ethical Foundations and Saving Careers*

*Clinical Trial Billing Compliance (CTBC)*

*Healthcare Ethics Committee (HEC)*

*Consent in the 21st Century (Human Subjects Research)*

*Consent Tools Used by Researchers (Human Subjects Research)*

*Intro to RCR (Responsible Conduct of Research)*

*Check out the latest news at <http://www.citiprogram.org>*

# Excerpts from Al-Busaidi's Study



- Relying on Little's (2013) suggestion, a minimum required sample alone might not result in a good model fit using root mean square error of approximation (RMSEA) for the CFA model.
- Estimating sample size in SEM depends on estimating a minimum N to have a model converge to accurately estimate parameters and to detect model misspecification (Brown, 2006)
- Unlike chi-square, RMSEA estimates population value. Therefore, the confidence interval with RMSEA can be estimated. This confidence interval helps to detect whether RMSEA is significantly different from a specific value (MacCallum et al., 2006; MacCallum et al., 1996).

# Thank you for your Kind Attention.



- ***Please feel open to express yourself freely and share any experiences and questions.***
- ***Klinik Bahasa will be available next month in the Faculty of Kedokteran building, lantai 2, for assistance in research and scientific article submission, Fridays 1-3.***
- **Please contact The Office of Research and Publication for any additional information.**