



## Ethics in Research <sup>[1]</sup>

Anonymous <sup>[2]</sup> 219.2K reads

### Ethics in Research <sup>[1]</sup> Unpublished

Ethics in research are very important when you're going to conduct an experiment.

Ethics should be applied on all stages of research, such as planning, conducting and evaluating a research <sup>[3]</sup> project.

The first thing to do before designing a study is to consider the potential cost and benefits of the research.

### **Research - Cost and Benefits-Analysis**

We evaluate the cost and benefits for most decisions in life, whether we are aware of it or not.

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The first thing to do before designing a study is to consider the potential cost and benefits of the research.

This can be quite a dilemma in some experiments. Stem cell research <sup>[4]</sup> is one example of an area with difficult ethical considerations.

As a result, stem cell research is restricted in many countries, because of the major and problematic ethical issues.

## **Ethical Standards - Researchers Should...**

- avoid any risk of considerably harming people, the environment, or property unnecessarily. The Tuskegee Syphilis Study <sup>[5]</sup> is an example of a study which seriously violated these standards.
- not use deception <sup>[6]</sup> on people participating, as was the case with the ethics of the Stanley Milgram Experiment <sup>[7]</sup>
- obtain informed consent <sup>[8]</sup> from all involved in the study.
- preserve privacy and confidentiality <sup>[9]</sup> whenever possible.
- take special precautions when involving populations or animals <sup>[10]</sup> which may not be considered to understand fully the purpose of the study.
- not offer big rewards or enforce binding contracts for the study. This is especially

important when people are somehow reliant on the reward.

- not plagiarize [11] the work of others
- not skew their conclusions based on funding [12].
- not commit science fraud [13], falsify research [14] or otherwise conduct scientific misconduct [15]. A con-study, which devastated the public view of the subject for decades, was the study of selling more coke and popcorn by unconscious ads [16]. The researcher said that he had found great effects from subliminal messages, whilst he had, in fact, never conducted the experiment.
- not use the position as a peer reviewer [17] to give sham peer reviews [18] to punish or damage fellow scientists.

Basically, research must follow all regulations [19] given, and also anticipate possible ethical problems in their research.

Competition [20] is an important factor in research, and may be both a good thing and a bad thing.

Whistleblowing [21] is one mechanism to help discover misconduct in research.

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