Ethics in Research

Nishtha Tikalal

Agenda

Objective: Learn the importance and principles of ethics in research

01. What is Ethics?

02. Importance of Ethics to Scientific Research.

03. Key Principles.

04. Respect for Research Subjects.

05. Responsible Publication and Authorship.

06. Conflicts of Interest and Intellectual Property.

07. Ethical Dilemmas.

08. Summary.

09. Q&A.

What is Ethics?

- **Definition**: Norms that distinguish right from wrong conduct.

- Ethics is **broader** than law.

- Why ethics matter in research: **trust, integrity, social responsibility.**

Importance of Ethics.

- **Protect** research participants' **rights and well-being.**

- Ensure **validity** and **trustworthiness** of research.

- **Promote** public confidence in science.

- **Avoid** harm and **misuse** of data.

Key Principles.

- **Honesty**: truthful reporting of data.
- **Objectivity**: avoid bias.
- **Integrity**: consistency and reliability.
- **Carefulness**: avoiding errors.

Respect for Research Subjects.

- **Informed consent.**

- Privacy **and** confidentiality.

- Vulnerable populations **protection**.

- **Fair** distribution of risks and benefits.

Responsibilities.

- Proper **credit** for work.

- **Avoid** plagiarism and data fabrication.

- **Transparency** in conflicts of interest.

- **Avoid** honorary or **ghost** authorship.

Conflict Resolution.

- **Identifying** and **disclosing** conflicts.

- **Respecting** patents and copyrights.
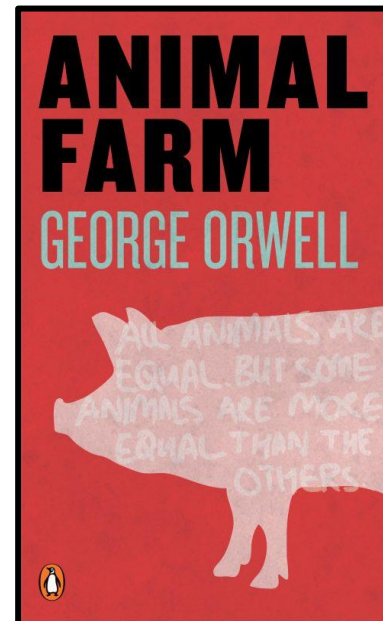
- Avoiding **misuse** of unpublished data.

Ethical Dilemmas.

- **Balancing** scientific freedom and societal impact.

- **Handling** sensitive data.

- Dealing with **pressure** to produce results.

- Ethical decision-making frameworks.

Summary.

- Ethics safeguard research quality and public trust.

- Key principles: honesty, respect, fairness, responsibility.

- Ethical research benefits society and advances knowledge.

- Remember your responsibilities as a researcher.

Q&A.

- Invite questions and interaction.
- Encourage sharing possible solutions to dilemmas.